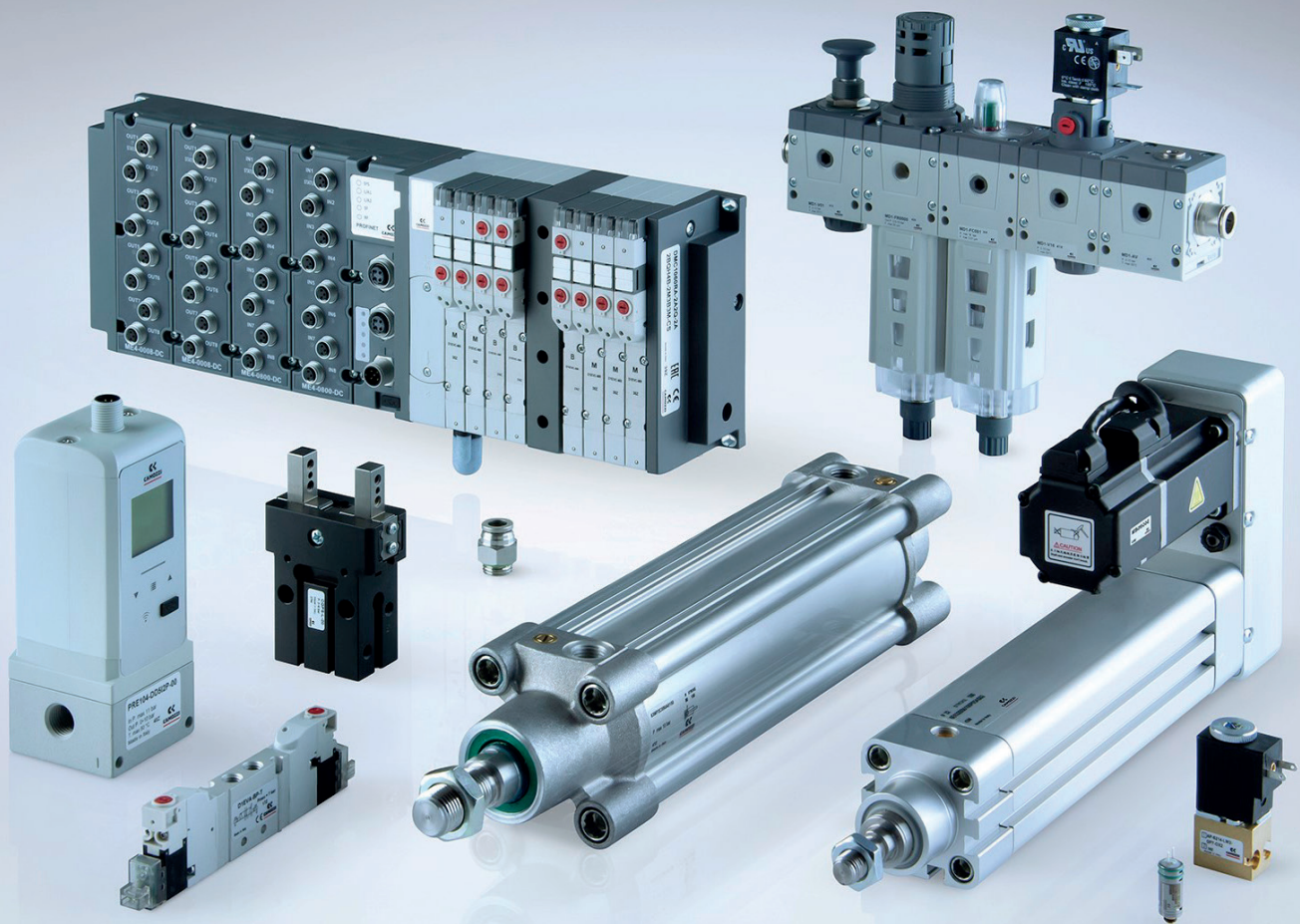


# UK SHORT FORM CATALOGUE



# WELCOME TO CAMOZZI AUTOMATION

Camozzi Automation offers a full range of products including components, systems and technologies for the industrial automation sector, the control of fluids -both liquids and gases - and for applications dedicated to the transportation and life science industries.



## Contact

**Camozzi Automation Ltd**  
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Watling Street  
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Warwickshire  
CV11 6BQ  
United Kingdom  
+44(0) 24 7637 4114  
askus@camozzi.co.uk  
www.camozzi.co.uk  
store.camozzi.co.uk

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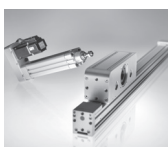
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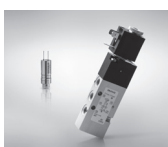
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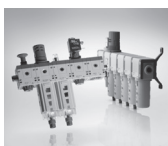
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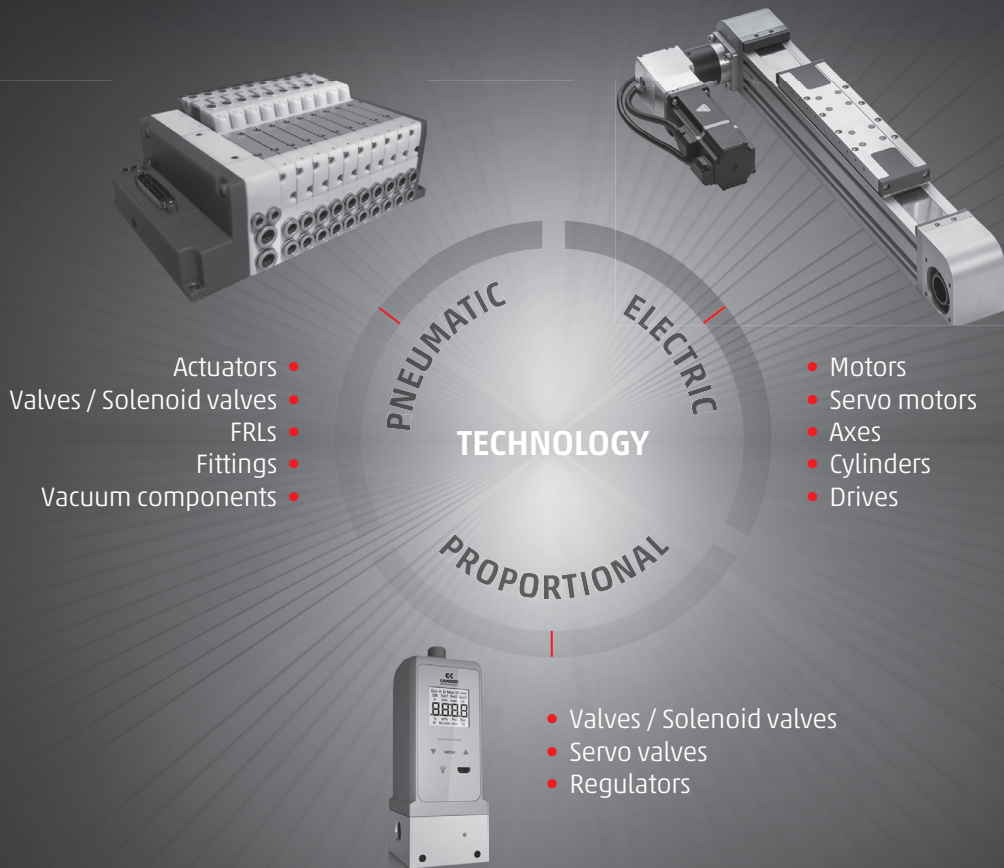
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- Information for the use of Camozzi Products
- Directive ATEX 2014/34/EU
- Returns Policy

# CAMOZZI AUTOMATION

## YOUR BEST CHOICE FOR MULTI-TECHNOLOGY SOLUTIONS



## More than just pneumatics

Camozzi's multi-technological approach makes it possible to offer an optimal solution for every application by choosing from the best pneumatic, electric and proportional technologies available.

This process requires a depth of expertise that not only addresses both the characteristics of technologies and products, but also considers the functional requirements of the end application.



INDUSTRIAL AUTOMATION



LIFE SCIENCE



TRANSPORTATION

# Ordering and General Information

## Delivery

We can supply any core product ordered between 8.30am and 5.30pm on a next day basis. Optional next day deliveries before 10am or timed next day deliveries available on request.



## Camozzi UK

Camozzi's distribution network with over 50 outlets throughout the UK and Ireland offers our customers unrivalled service and support.



## Same Day Cylinder Service

We offer a same day cylinder service, including standard and non standard strokes. Please call the Camozzi sales office for more information.



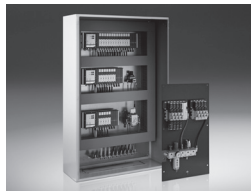
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## Additional Services

In addition to individual components, Camozzi can supply complete bespoke solutions.



## Training

Camozzi UK has its own purpose-built on-site training suite offering an expanding range of courses.



## Warranty

A comprehensive one-year warranty applies to all Camozzi products, subject to our standard conditions of sale (available on request).

## ISO Certification

Camozzi is certified in accordance with ISO 9001 and ISO 14001.

## Technical Catalogue

A comprehensive range of product literature is available in hard copy or online (catalogue.camozzi.com). A full technical catalogue for design engineers can be requested by contacting the sales office.

## Terms & Conditions

We have made every effort to ensure that product information in this catalogue is accurate. However, the company reserves the right to vary models and dimensions and to amend prices without notification. Returns are not accepted without prior written approval from the company (refer to page 371). Full terms and conditions available on request.

# UK Online Store



## Request an account today

- Instantly check price and availability
- Download product datasheets
- Place orders whenever it suits you

<https://store.camozzi.co.uk>







# Pneumatic Actuation


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# Series 16, 23, 24 and 25 Mini-Cylinders

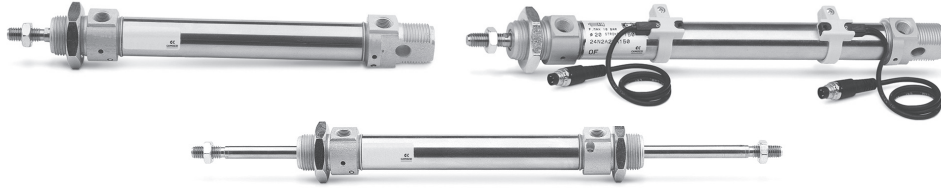
Single-acting and double-acting - CETOP RP52-P DIN/ISO 6432

Series 16:  $\varnothing$  8, 10, 12 mm

Series 23:  $\varnothing$  16, 20, 25 mm - magnetic, auto-cushioned

Series 24:  $\varnothing$  16, 20, 25 mm - magnetic

Series 25:  $\varnothing$  16, 20, 25 mm - magnetic cushioned



**Technical Data**

**Operating Pressure**  
1 bar to 10 bar (double-acting)  
2 bar to 10 bar (single-acting)

**Operating Temperature**  
0°C to +80°C  
(with dry air -20°C to +80°C)

Full Data Sheet and Dimensions at  
<https://store.camozzi.co.uk>

Double-acting and Single-acting (through rod and non-standard strokes available on request)

**ACCESSORIES**

- ✓ Ex Stock
- 🔧 UK Assembly
- 📞 Please Call Sales Office

REED SWITCH	SWITCH MOUNTING BRACKET	BANJO FLOW CONTROL	BANJO RING FITTING	STRAIGHT CONNECTION	ELBOW FITTING
-------------	-------------------------	--------------------	--------------------	---------------------	---------------



Part Number	Availability	Bore	Port Size
-------------	--------------	------	-----------

Single-Acting. Non-Magnetic

16N1A08A*	🔧	8	M5
16N1A10A*	🔧	10	M5
16N1A12A*	🔧	12	M5

Single-Acting. Magnetic

24N1A16A*	🔧	16	M5
24N1A20A*	🔧	20	1/8
24N1A25A*	🔧	25	1/8

Double-Acting. Non-Magnetic

16N2A08A*	🔧	8	M5
16N2A10A*	🔧	10	M5
16N2A12A*	🔧	12	M5

Double-Acting. Magnetic Auto-Cushioned

23N2A16A*	📞	16	M5
23N2A20A*	📞	20	1/8
23N2A25A*	📞	25	1/8

Double-Acting. Magnetic

24N2A16A*	🔧	16	M5
24N2A20A*	🔧	20	1/8
24N2A25A*	🔧	25	1/8

Double-Acting. Magnetic Cushioned

25N2A16A*	🔧	16	M5
25N2A20A*	🔧	20	1/8
25N2A25A*	🔧	25	1/8

-	-	SCU 602-M5	6610 4-M6	6512 4-M5	6522 4-M5
---	---	------------	-----------	-----------	-----------

SKR2C01200	SF16	SCU 602-M5	6610 4-M6	6512 4-M5	6522 4-M5
SKR2C01200	SF20	SCU 604-1/8	6610 6-1/8	6512 6-1/8	6522 6-1/8
SKR2C01200	SF25	SCU 604-1/8	6610 6-1/8	6512 6-1/8	6522 6-1/8

-	-	SCU 602-M5	6610 4-M6	6512 4-M5	6522 4-M5
---	---	------------	-----------	-----------	-----------

SKR2C01200	SF16	SCU 602-M5	6610 4-M6	6512 4-M5	6522 4-M5
SKR2C01200	SF20	SCU 604-1/8	6610 6-1/8	6512 6-1/8	6522 6-1/8
SKR2C01200	SF25	SCU 604-1/8	6610 6-1/8	6512 6-1/8	6522 6-1/8

SKR2C01200	SF16	SCU 602-M5	6610 4-M6	6512 4-M5	6522 4-M5
SKR2C01200	SF20	SCU 604-1/8	6610 6-1/8	6512 6-1/8	6522 6-1/8
SKR2C01200	SF25	SCU 604-1/8	6610 6-1/8	6512 6-1/8	6522 6-1/8

SKR2C01200	SF16	SCU 602-M5	6610 4-M6	6512 4-M5	6522 4-M5
SKR2C01200	SF20	SCU 604-1/8	6610 6-1/8	6512 6-1/8	6522 6-1/8
SKR2C01200	SF25	SCU 604-1/8	6610 6-1/8	6512 6-1/8	6522 6-1/8

\*Insert stroke length to complete part number

**STANDARD STROKES FOR MINICYLINDERS SERIES 16, 24 AND 25**

■ Double-acting \* Single-acting

Series	16			24			23/25		
	$\varnothing$ 8	$\varnothing$ 10	$\varnothing$ 12	$\varnothing$ 16	$\varnothing$ 20	$\varnothing$ 25	$\varnothing$ 16	$\varnothing$ 20	$\varnothing$ 25
Standard Stroke									
10	■*	■*	■*	■*	■*	■*	■	■	■
25	■*	■*	■*	■*	■*	■*	■	■	■
40	■*	■*	■*	■*	■*	■*	■	■	■
50	■*	■*	■*	■*	■*	■*	■	■	■
80	■	■	■	■	■	■	■	■	■
100	■	■	■	■	■	■	■	■	■
125	■	■	■	■	■	■	■	■	■
160	■	■	■	■	■	■	■	■	■
200	■	■	■	■	■	■	■	■	■
250	■	■	■	■	■	■	■	■	■
300	■	■	■	■	■	■	■	■	■
320	■	■	■	■	■	■	■	■	■
400	■	■	■	■	■	■	■	■	■
500	■	■	■	■	■	■	■	■	■



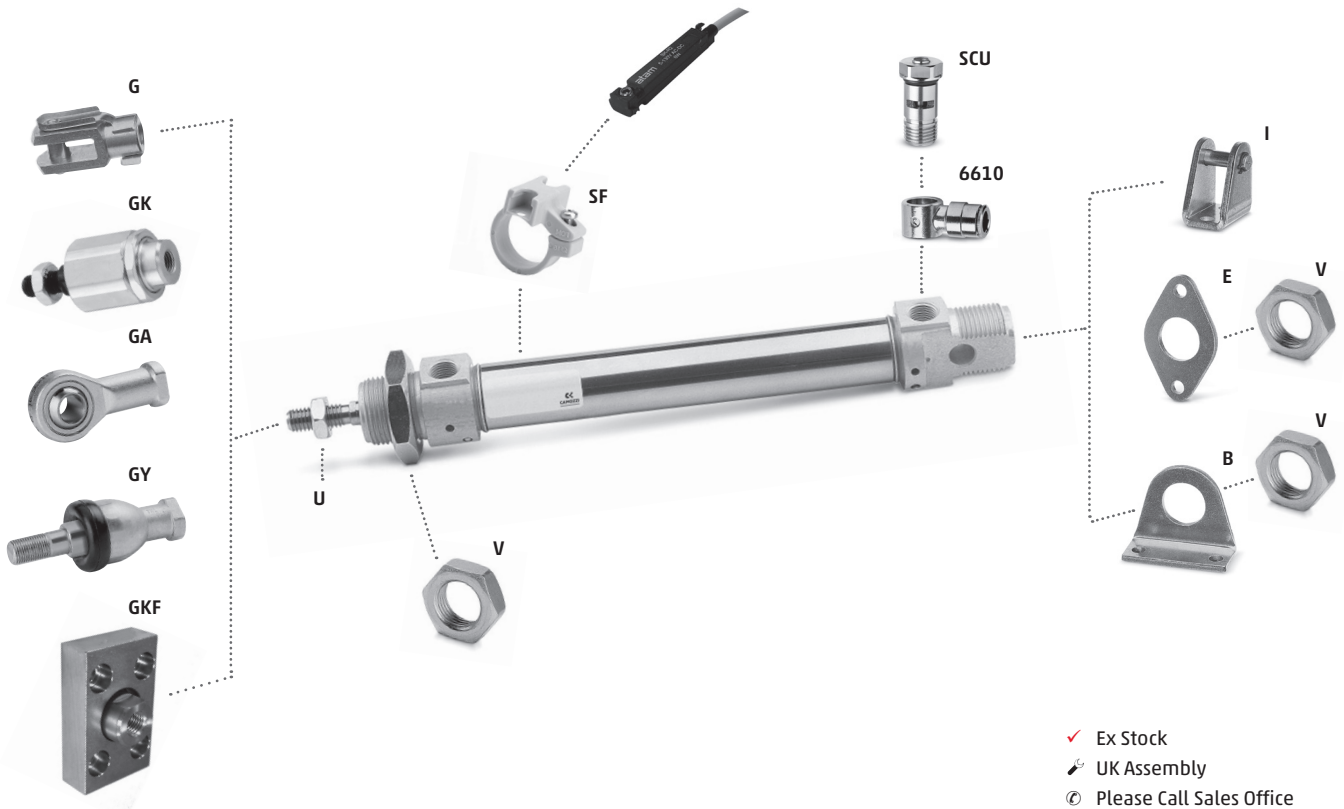
**CODING EXAMPLE**

<b>24</b>	<b>N</b>	<b>2</b>	<b>A</b>	<b>16</b>	<b>A</b>	<b>100</b>	<b>-</b>
<b>24</b>	<b>SERIES:</b> 16 = non-magnetic 23 = magnetic, auto-cushioning 24 = magnetic 25 = magnetic adjustable cushioning			<b>16</b>	<b>BORE:</b> 8, 10, 12, 16, 20, 25mm		
<b>N</b>	<b>VERSION:</b> N = standard			<b>A</b>	<b>TYPE OF BRACKET:</b> A = standard (screw with ring + lock nut for rod) RL = cylinder with rod lock Ø20 - Ø25		
<b>2</b>	<b>OPERATION:</b> 1 = single-acting (front spring) 2 = double-acting 3 = double-acting (through rod) 7 = single-acting (through rod)			<b>100</b>	<b>STROKE:</b> (see table)		
<b>A</b>	<b>MATERIALS:</b> A = rolled stainless steel AISI 303 rod, stainless steel AISI 304 tube, anodized AL end-blocks			<b>-</b>	<b>SPECIAL:</b> to be specified V = Rod Seal Viton W = all seals in FKM, +130°C (for series 25 only) (___) = extended rod ___mm		

**NOTE:** All cylinders are supplied complete with nose nut and nut for rod. The accessories are supplied separately.

PNEUMATIC ACTUATION

**Series 16, 23, 24, and 25 Accessories**



- ✓ Ex Stock
- 🔧 UK Assembly
- 📞 Please Call Sales Office

Foot Mounts (pair)	<b>B</b>	Front/Rear Flange Mount	<b>E</b>	Rear Trunnion Bracket	<b>I</b>	Rod Fork End	<b>G</b>	Swivel Ball Joint	<b>GA</b>
Ø		Ø		Ø		Ø		Ø	
<b>B-8-10</b>	8-10 ✓	<b>E-8-10</b>	8-10 ✓	<b>I-8-10</b>	8-10 ✓	<b>G-8-10</b>	8-10 ✓	<b>GA-8-10</b>	8-10 ✓
<b>B-12-16</b>	12-16 ✓	<b>E-12-16</b>	12-16 ✓	<b>I-12-16</b>	12-16 ✓	<b>G-12-16</b>	12-16 ✓	<b>GA-12-16</b>	12-16 ✓
<b>B-20-25</b>	20-25 ✓	<b>E-20-25</b>	20-25 ✓	<b>I-20-25</b>	20-25 ✓	<b>G-20</b>	20 ✓	<b>GA-20</b>	20 ✓
						<b>G-25-32</b>	25 ✓	<b>GA-32</b>	25 ✓

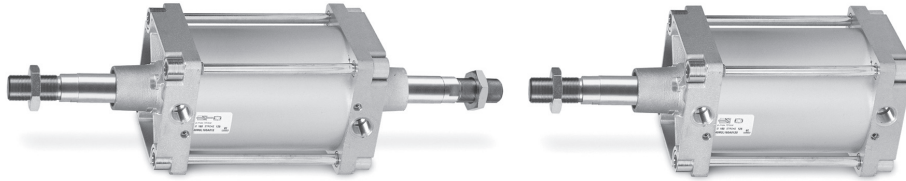
  

Piston Rod Socket Joint	<b>GY</b>	Piston Rod Lock Nut	<b>U</b>	Nose Nut	<b>V</b>	Self Aligning Rod	<b>GK</b>	Coupling Piece	<b>GKF</b>
Ø		Ø		Ø		Ø		Ø	
<b>GY-12-16</b>	12-16 ✓	<b>U-8-10</b>	8-10 ✓	<b>V-8-10</b>	8-10 ✓	<b>GK-12-16</b>	12-16 ✓	<b>GKF-20</b>	20 ✓
<b>GY-20</b>	20 ✓	<b>U-12-16</b>	12-16 ✓	<b>V-12-16</b>	12-16 ✓	<b>GK-20</b>	20 ✓	<b>GKF-25-32</b>	25 ✓
<b>GY-32</b>	25 ✓	<b>U-20</b>	20 ✓	<b>V-20-25</b>	20-25 ✓	<b>GK-25-32</b>	25 ✓		
		<b>U-25-32</b>	25 ✓						

# Series 40 Cylinders

ISO 15552 - DIN/ISO 6431 - VDMA 24562  
Double-acting, cushioned, magnetic  
Ø 160, 200, 250, 320 mm

\* **SAME DAY**  
CYLINDER SERVICE



**Technical Data**  
**Operating Pressure**  
1 bar to 10 bar  
**Operating Temperature**  
0°C to +80°C  
(with dry air -20°C to +80°C)  
Full Data Sheets and Dimensions at  
<https://store.camozzi.co.uk>  
\* Ø160 & Ø200

Double-acting (through rod and non-standard strokes available on request)

PNEUMATIC ACTUATION

## ACCESSORIES

- ✓ Ex Stock
- 🔧 UK Assembly
- 📞 Please Call Sales Office

	REED SWITCH	SWITCH MOUNTING BRACKET	STRAIGHT CONNECTION	ELBOW FITTING
<b>Double-Acting (front and rear cushions)</b>				
40M2L160A*	CST-220	S-CST-28	S6510 16-3/4	7522 16-3/4
40M2L200A*	CST-220	S-CST-28	S6510 16-3/4	7522 16-3/4
40M2L250A*	CSN 2032-0	Direct Mounted	-	-
40M2L320A*	CSN 2032-0	Direct Mounted	-	-
<b>Double-Acting (no cushion)</b>				
40M3L160A*	CST-220	S-CST-28	S6510 16-3/4	7522 16-3/4
40M3L200A*	CST-220	S-CST-28	S6510 16-3/4	7522 16-3/4
40M3L250A*	CSN 2032-0	Direct Mounted	-	-
40M3L320A*	CSN 2032-0	Direct Mounted	-	-
<b>Double-Acting (rear cushions)</b>				
40M4L160A*	CST-220	S-CST-28	S6510 16-3/4	7522 16-3/4
40M4L200A*	CST-220	S-CST-28	S6510 16-3/4	7522 16-3/4
40M4L250A*	CSN 2032-0	Direct Mounted	-	-
40M4L320A*	CSN 2032-0	Direct Mounted	-	-
<b>Double-Acting (front cushion)</b>				
40M5L160A*	CST-220	S-CST-28	S6510 16-3/4	7522 16-3/4
40M5L200A*	CST-220	S-CST-28	S6510 16-3/4	7522 16-3/4
40M5L250A*	CSN 2032-0	Direct Mounted	-	-
40M5L320A*	CSN 2032-0	Direct Mounted	-	-
<b>Double-Acting (through-rod)</b>				
40M6L160A*	CST-220	S-CST-28	S6510 16-3/4	7522 16-3/4
40M6L200A*	CST-220	S-CST-28	S6510 16-3/4	7522 16-3/4
40M6L250A*	CSN 2032-0	Direct Mounted	-	-
40M6L320A*	CSN 2032-0	Direct Mounted	-	-

\*Insert stroke length to complete part number

## STANDARD STROKES FOR CYLINDERS SERIES 40

■ Double-acting

	Ø160	Ø200	Ø250	Ø320		Ø160	Ø200	Ø250	Ø320
Standard Stroke					Standard Stroke				
50	■	■	■	■	500	■	■	■	■
80	■	■	■	■	600	■	■	■	■
100	■	■	■	■	700	■	■	■	■
150	■	■	■	■	800	■	■	■	■
200	■	■	■	■	900	■	■	■	■
300	■	■	■	■	1000	■	■	■	■
400	■	■	■	■					

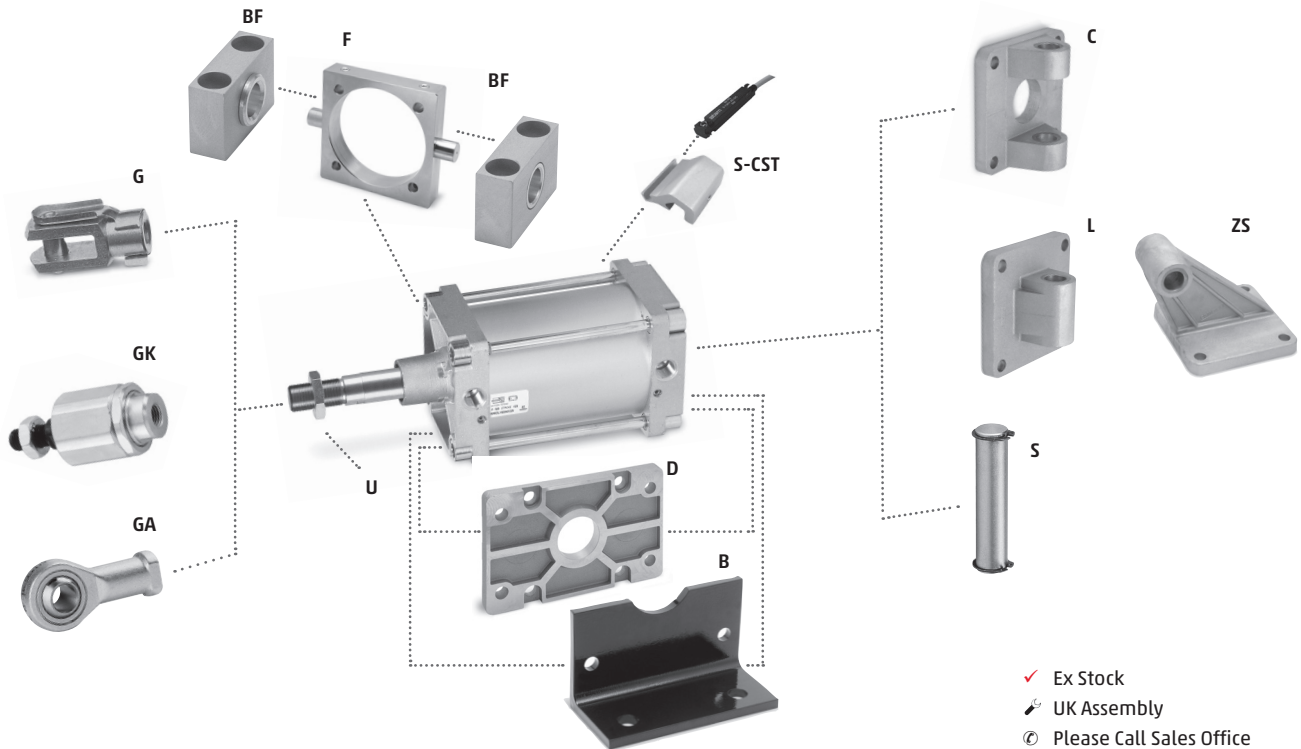


**CODING EXAMPLE**

<b>40</b>	<b>M</b>	<b>2</b>	<b>L</b>	<b>160</b>	<b>A</b>	<b>0200</b>	<b>-</b>
<b>40</b>	SERIES: 40			<b>160</b>	BORE: 160, 200, 250, 320mm		
<b>M</b>	VERSION: M = standard, magnetic			<b>A</b>	TYPE OF BRACKET: A = standard F = cylinder with centre trunnion		
<b>2</b>	OPERATION: 2 = double-acting (front and rear cushions) 3 = double-acting (no cushion) 4 = double-acting (rear cushions) 5 = double-acting (front cushion) 6 = double-acting (through-rod with front and rear cushions)			<b>0200</b>	STROKE: (see table)		
<b>L</b>	MATERIALS: L = rolled stainless steel rod - anodised aluminium round tube - NBR seals - nuts and tie-rods zinc-plated steel			<b>-</b>	= standard V = FKM rod seals W = all FKM seals +130°C C = PU coated cylinder. Colour: Grey* (___) = extended piston rod ___mm  *Version C: available on request.		

**NOTE:** Rod nuts and accessories are supplied separately

**Series 40 Accessories**



- ✓ Ex Stock
- ✎ UK Assembly
- ⊙ Please Call Sales Office

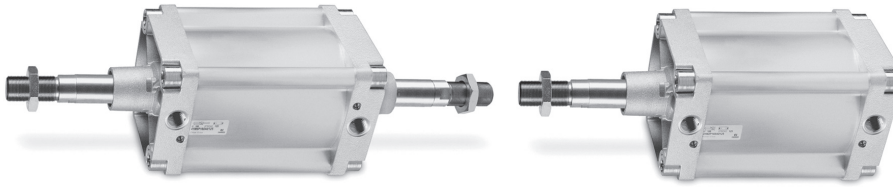
Foot Mount (pair)	B	Front and Rear Flange	D	Front and Rear Female Trunnion	C	Rear Trunnion, Male	L	Centre Trunnion	F
∅		∅		∅		∅		∅	
B-41-160	160 ✓	D-E-41-160	160 ✓	C-H-41-160	160 ✓	L-41-160	160 ✓	F-160	160 ✓
B-41-200	200 ✓	D-E-41-200	200 ✓	C-H-41-200	200 ✓	L-41-200	200 ✓	F-200	200 ✓
B-41-250	250 ⊙	D-E-41-250	250 ⊙	C-H-41-250	250 ⊙	L-41-250	250 ⊙	F-250	250 ⊙
B-41-320	320 ⊙	D-E-41-320	320 ⊙	C-H-41-320	320 ⊙	L-41-320	320 ⊙	F-320	320 ⊙
90° Swivel Trunnion	ZS	Swivel Combination	C	Counter Bracket (Pair)	BF	Rod Fork End	G	Swivel Ball Joint	GA
∅		∅		(for Centre Trunnion) ∅		∅		∅	
ZS-160	160 ✓	C+L+S 160	160 ✓	BF-160-200	160-200 ✓	G-160-200	160-200 ✓	GA-160-200	160-200 ✓
ZS-200	200 ✓	C+L+S 200	200 ✓			GA-250	250 ⊙	GA-250	250 ⊙
		C+L+S 250	250 ⊙			GA-320	320 ⊙	GA-320	320 ⊙
		C+L+S 320	320 ⊙						
Clevis Pin	S	Piston Rod Lock Nut	U	Self Aligning Rod	GK				
∅		∅		∅					
S-160-200	160-200 ✓	U-160-200	160-200 ✓	GK-160-200	160-200 ✓				
S-250	250 ⊙	U-250	250 ⊙						
S-320	320 ⊙	U-320	320 ⊙						

# Series 41 Cylinders - Aluminium Profile

DIN/ISO 6431 - VDMA 24562

Double-acting cushioned, magnetic

Ø 160, 200 mm



**Technical Data**

**Operating Pressure**  
1 bar to 10 bar

**Operating Temperature**  
0°C to +80°C  
(with dry air -20°C to +80°C)

Full Data Sheet and Dimensions at  
<https://store.camozzi.co.uk>

Non-standard strokes available on request.

PNEUMATIC ACTUATION



Main



Section

- ✓ Ex Stock
- 🔧 UK Assembly
- ☎ Please Call Sales Office

Part Number	Availability	Bore	Port Size
<b>Double-Acting (front and rear cushions)</b>			
41M2L160A*	🔧	160	3/4
41M2L200A*	🔧	200	3/4
<b>Double-Acting (no cushion)</b>			
41M3L160A*	🔧	160	3/4
41M3L200A*	🔧	200	3/4
<b>Double-Acting (rear cushions)</b>			
41M4L160A*	🔧	160	3/4
41M4L200A*	🔧	200	3/4
<b>Double-Acting (front cushion)</b>			
41M5L160A*	🔧	160	3/4
41M5L200A*	🔧	200	3/4
<b>Double-Acting (through-rod)</b>			
41M6L160A*	🔧	160	3/4
41M6L200A*	🔧	200	3/4

\*Insert stroke length to complete part number

## ACCESSORIES

	STRAIGHT CONNECTION	ELBOW FITTING
	S6510 16-3/4	7522 16-3/4
	S6510 16-3/4	7522 16-3/4
	S6510 16-3/4	7522 16-3/4
	S6510 16-3/4	7522 16-3/4
	S6510 16-3/4	7522 16-3/4
	S6510 16-3/4	7522 16-3/4
	S6510 16-3/4	7522 16-3/4
	S6510 16-3/4	7522 16-3/4
	S6510 16-3/4	7522 16-3/4
	S6510 16-3/4	7522 16-3/4

## STANDARD STROKES FOR CYLINDERS SERIES 41

■ Double-acting

	Ø160	Ø200		Ø160	Ø200
Standard Stroke			Standard Stroke		
50	■	■	500	■	■
80	■	■	600	■	■
100	■	■	700	■	■
150	■	■	800	■	■
200	■	■	900	■	■
300	■	■	1000	■	■
400	■	■			

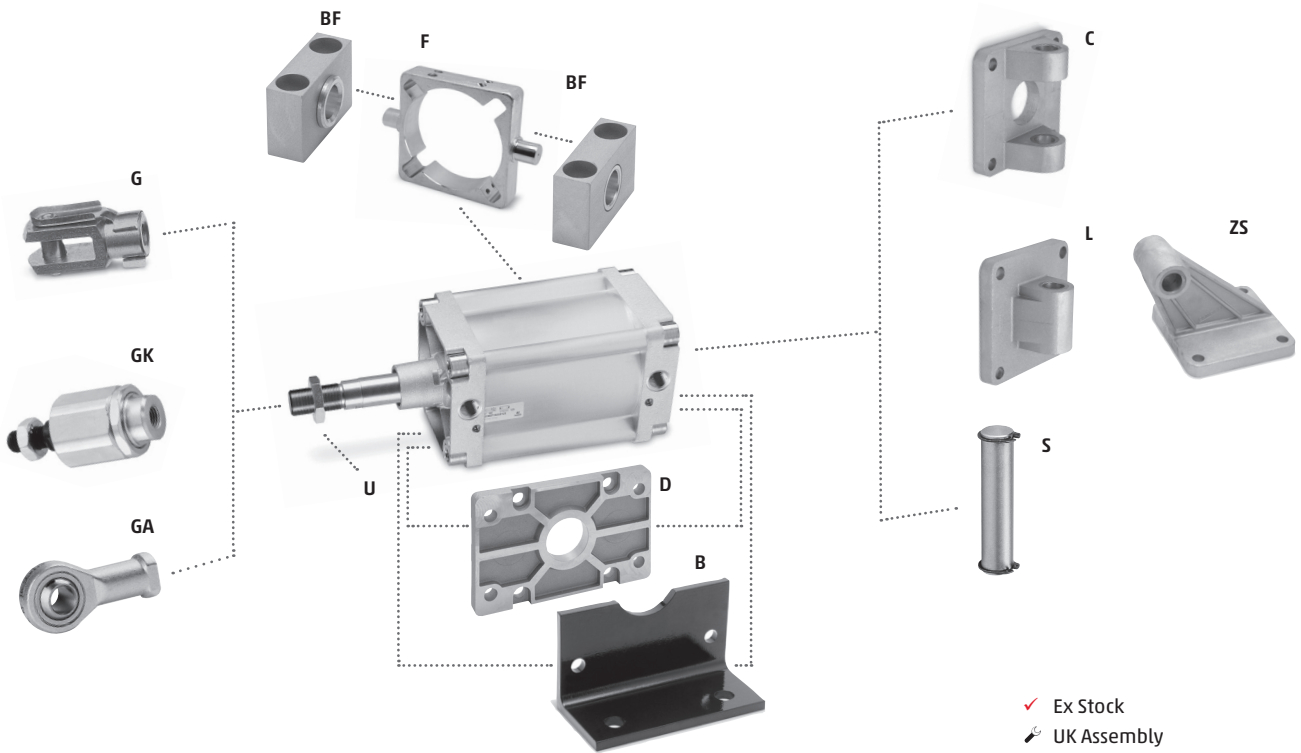
**CODING EXAMPLE**

<b>41</b>	<b>M</b>	<b>2</b>	<b>P</b>	<b>160</b>	<b>A</b>	<b>0200</b>	<b>-</b>
<b>41</b>	SERIES: 41			<b>160</b>	BORE: 160, 200mm		
<b>M</b>	VERSION: M = standard, magnetic			<b>A</b>	TYPE OF BRACKET: A = tie-rods F = cylinder with centre trunnion		
<b>2</b>	OPERATION: 2 = double-acting (front and rear cushions) 3 = double-acting (no cushion) 4 = double-acting (rear cushions) 5 = double-acting (front cushion) 6 = double-acting (through-rod with front and rear cushions)			<b>0200</b>	STROKE: (see table)		
<b>P</b>	MATERIALS: P = rolled stainless steel rod NBR seals, nuts and tie-rods zinc-plated steel			<b>-</b>	= standard V = FKM rod seals W = all FKM seals +130°C C = PU coated cylinder. Colour: Grey* (___) = extended piston rod ___mm  *Version C: available on request.		

**NOTE:** Rod nuts and accessories are supplied separately

PNEUMATIC ACTUATION

**Series 41 Accessories**



- ✓ Ex Stock
- 🇬🇧 UK Assembly
- 📞 Please Call Sales Office



Foot Mount (pair)	B	Front and Rear Flange	D	Front and Rear Female Trunnion	C	Rear Trunnion, Male	L	Centre Trunnion	F
∅		∅		∅		∅		∅	
B-41-160	160 ✓	D-E-41-160	160 ✓	C-H-41-160	160 ✓	L-41-160	160 ✓	F-160	160 ✓
B-41-200	200 ✓	D-E-41-200	200 ✓	C-H-41-200	200 ✓	L-41-200	200 ✓	F-200	200 ✓
90° Swivel Trunnion	ZS	Swivel Combination	C	Counter Bracket (Pair)	BF	Rod Fork End	G	Swivel Ball Joint	GA
∅		∅		(for Centre Trunnion) ∅		∅		∅	
ZS-160	160 ✓	C+L+S 160	160 ✓	BF-160-200	160-200 ✓	G-160-200	160-200 ✓	GA-160-200	160-200 ✓
ZS-200	200 ✓	C+L+S 200	200 ✓						
Clevis Pin	S	Piston Rod Lock Nut	U	Self Aligning Rod	GK				
∅		∅		∅					
S-160-200	160-200 ✓	U-160-200	160-200 ✓	GK-160-200	160-200 ✓				

# Series 61 Cylinders - Aluminium Profile

ISO 15552 - DIN/ISO 6431 - VDMA 24562

Single and double-acting, magnetic, cushioned. Standard, low friction, low temperatures and tandem versions

Ø 32, 40, 50, 63, 80, 100, 125 mm

Example of assembly with a valve on page 49



### Technical Data

**Operating Pressure**  
Min 1 to max 10 bar (standard and low temperatures)  
0.1 to 10 bar (low friction)

**Operating Temperature**  
Standard and low friction: 0°C to +80°C. (with dry air -20°C)  
Low temperature: (-40°C version): -40°C to 60°C (with dry air -40°C)  
Low temperature: (-50°C version): -50°C to 60°C (with dry air -50°C)

Full Data Sheet and Dimensions at <https://store.camozzi.co.uk>

Double-acting and Single-acting (through rod and non-standard strokes available on request)

### ACCESSORIES



- ✓ Ex Stock
- 🔧 UK Assembly
- 📞 Please Call Sales Office

Part Number	Availability	Bore	Port Size	REED SWITCH	SWITCH MOUNTING BRACKET	BANJO FLOW CONTROL	BANJO RING FITTING	STRAIGHT CONNECTION	ELBOW FITTING
<b>Single-Acting (Magnetic)</b>									
61M1P032A*	🔧	32	1/8	SKR2C01200	Direct Mount	SCU 604-1/8	6610 4-1/8	S6510 4-1/8	S6520 4-1/8
61M1P040A*	🔧	40	1/4	SKR2C01200	Direct Mount	SCU 606-1/4	6610 6-1/4	S6510 6-1/4	S6520 6-1/4
61M1P050A*	🔧	50	1/4	SKR2C01200	Direct Mount	SCU 606-1/4	6610 6-1/4	S6510 6-1/4	S6520 6-1/4
61M1P063A*	🔧	63	3/8	SKR2C01200	Direct Mount	SCU 608-3/8	6610 8-3/8	S6510 8-3/8	S6520 8-3/8
61M1P080A*	🔧	80	3/8	SKR2C01200	Direct Mount	SCU 608-3/8	6610 8-3/8	S6510 8-3/8	S6520 8-3/8
61M1P100A*	🔧	100	1/2	SKR2C01200	Direct Mount	SCU 610-1/2	S6510 10-1/2	S6510 10-1/2	S6520 10-1/2
<b>Double-Acting (Magnetic)</b>									
61M2P032A*	🔧	32	1/8	SKR2C01200	Direct Mount	SCU 604-1/8	6610 4-1/8	S6510 4-1/8	S6520 4-1/8
61M2P040A*	🔧	40	1/4	SKR2C01200	Direct Mount	SCU 606-1/4	6610 6-1/4	S6510 6-1/4	S6520 6-1/4
61M2P050A*	🔧	50	1/4	SKR2C01200	Direct Mount	SCU 606-1/4	6610 6-1/4	S6510 6-1/4	S6520 6-1/4
61M2P063A*	🔧	63	3/8	SKR2C01200	Direct Mount	SCU 608-3/8	6610 8-3/8	S6510 8-3/8	S6520 8-3/8
61M2P080A*	🔧	80	3/8	SKR2C01200	Direct Mount	SCU 608-3/8	6610 8-3/8	S6510 8-3/8	S6520 8-3/8
61M2P100A*	🔧	100	1/2	SKR2C01200	Direct Mount	SCU 610-1/2	S6510 10-1/2	S6510 10-1/2	S6520 10-1/2
61M2P125A*	🔧	125	1/2	CST-220	Direct Mount	SCU 610-1/2	S6510 10-1/2	S6510 10-1/2	S6520 10-1/2

\*Insert stroke length to complete part number

## UK Cylinder Service



### Reduce Lead Times for Pneumatic Cylinders

- Built the same or next day
- Includes many cylinder types

### STANDARD STROKES FOR CYLINDERS SERIES 61

■ Double-acting \* Single-acting

	ø32	ø40	ø50	ø63	ø80	ø100	ø125
Standard Stroke							
25	■*	■*	■*	■*	■*		
50	■*	■*	■*	■*	■*	■*	■
75	■*	■*	■*	■*	■*	■*	■
80	■	■	■	■	■	■	■
100	■	■	■	■	■	■	■
125	■	■	■	■	■	■	■
150	■	■	■	■	■	■	■
160	■	■	■	■	■	■	■
200	■	■	■	■	■	■	■
250	■	■	■	■	■	■	■
300	■	■	■	■	■	■	■
320	■	■	■	■	■	■	■
400	■	■	■	■	■	■	■
500	■	■	■	■	■	■	■
600	■	■	■	■	■	■	■
700	■	■	■	■	■	■	■
800	■	■	■	■	■	■	■
900	■	■	■	■	■	■	■
1000	■	■	■	■	■	■	■

For cylinders over 1000mm stroke and other versions, please contact our sales office or your local Camozzi distributor.

PNEUMATIC ACTUATION



Main



Section

#### CODING EXAMPLE

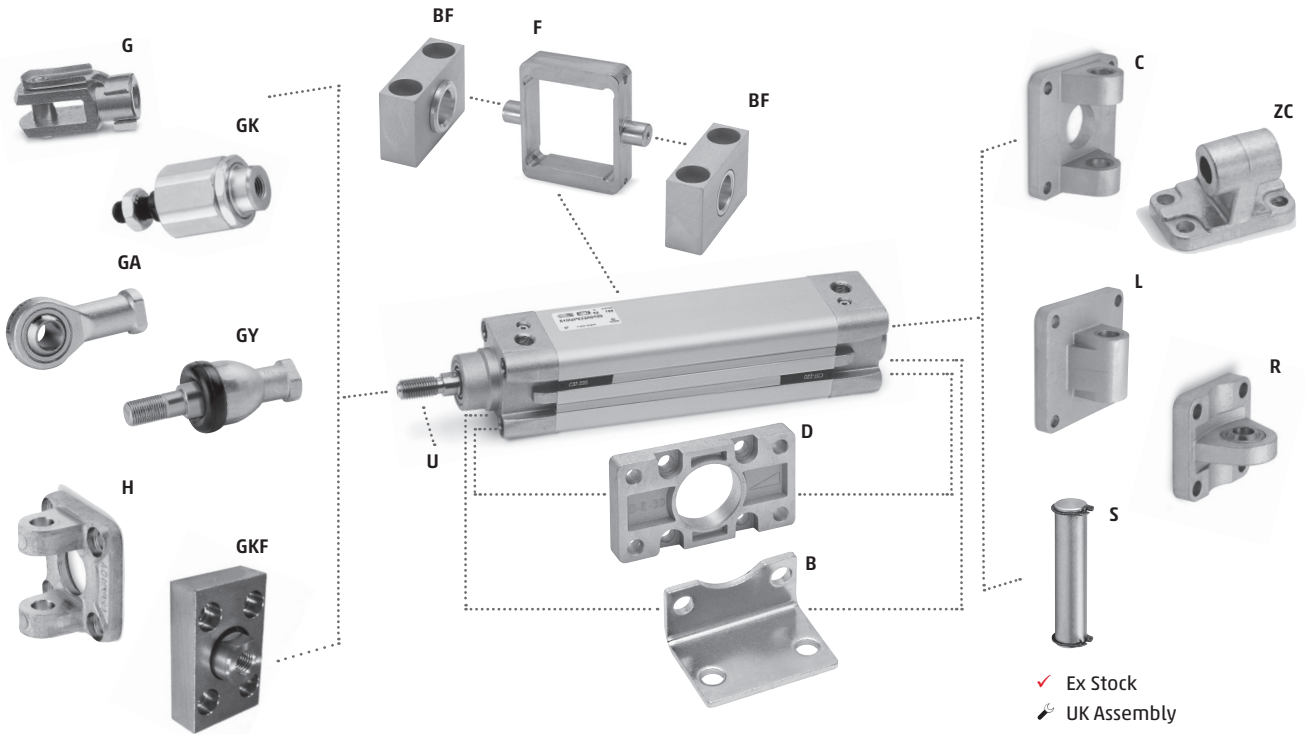
<b>61</b>	<b>M</b>	<b>2</b>	<b>P</b>	<b>050</b>	<b>A</b>	<b>0200</b>	<b>-</b>
-----------	----------	----------	----------	------------	----------	-------------	----------

<b>61</b>	SERIES: 61 = from ø32 - 125 DIN/ISO 15552	<b>050</b>	BORE: 32, 40, 50, 63, 80, 100, 125mm
<b>M</b>	VERSION: M = magnetic N = non magnetic L = Low friction, magnetic	<b>A</b>	CONSTRUCTION: A = standard with rod nut RL = cylinder with rod lock
<b>2</b>	OPERATION: 1 = single-acting (front spring) 2 = double-acting (front and rear cushions) 3 = double-acting (no cushion) 4 = double-acting (rear cushions) 5 = double-acting (front cushion) 6 = double-acting (through-rod with front and rear cushions) 7 = single-acting (through-rod)	<b>0200</b>	STROKE: (see table)
<b>P</b>	MATERIALS: P = rolled stainless steel rod, AISI 420B anodised profile aluminium tube NBR seals - rod seals polyurethane, nuts and tie-rods zinc-plated steel (See full technical catalogue for all options)	= standard V = FKM rod seal N = tandem R = NBR rod seal W = all FKM seals +130°C C = PU coated cylinder. Colour: Grey* L = low friction version without rod seal (rear supply only)** ( _ _ ) = extended piston rod _ _ _ mm G = with brass rod scraper (chrome plated stainless steel AISI 420B rod, NBR rod seal) [ø 125 excepted] *Version C: available on request. **The possibility to order the cylinder without piston rod seal, further reduces the friction force.	

61M2P = standard version in stock (32 - 100)

Note: All cylinder are supplied with rod nuts. The accessories are supplied separately

Series 61 Accessories



Foot Mount (pair)	B	Front and Rear Flange	D	Rear Trunnion, Female	C	Rear Trunnion, Male	L
	∅		∅		∅		∅
B-41-32	32 ✓	D-E-41-32	32 ✓	C-41-32	32 ✓	L-41-32	32 ✓
B-41-40	40 ✓	D-E-41-40	40 ✓	C-41-40	40 ✓	L-41-40	40 ✓
B-41-50	50 ✓	D-E-41-50	50 ✓	C-41-50	50 ✓	L-41-50	50 ✓
B-41-63	63 ✓	D-E-41-63	63 ✓	C-H-41-63	63 ✓	L-41-63	63 ✓
B-41-80	80 ✓	D-E-41-80	80 ✓	C-H-41-80	80 ✓	L-41-80	80 ✓
B-41-100	100 ✓	D-E-41-100	100 ✓	C-H-41-100	100 ✓	L-41-100	100 ✓
B-41-125	125 ✓	D-E-41-125	125 ✓	C-H-41-125	125 ✓	L-41-125	125 ✓

Front Trunnion, Female	H	Centre Trunnion	F	90° Swivel Trunnion (CETOP RP 107P)	ZC	Rear Trunnion Ball Joint	R
	∅		∅		∅		∅
H-41-32	32 ✓	F-61-32	32 ✓	ZC-32	32 ✓	R-41-32	32 ✓
H-41-40	40 ✓	F-61-40	40 ✓	ZC-40	40 ✓	R-41-40	40 ✓
H-41-50	50 ✓	F-61-50	50 ✓	ZC-50	50 ✓	R-41-50	50 ✓
H-60-63	63 ✓	F-61-63	63 ✓	ZC-63	63 ✓	R-41-63	63 ✓
C-H-41-80	80 ✓	F-61-80	80 ✓	ZC-80	80 ✓	R-41-80	80 ✓
C-H-41-100	100 ✓	F-61-100	100 ✓	ZC-100	100 ✓	R-41-100	100 ✓
C-H-41-125	125 ✓	F-61-125	125 ✓	ZC-125	125 ✓	R-41-125	125 ✓

Counter Bracket (Pair) (for Centre Trunnion)	BF	Rod Fork End	G	Swivel Ball Joint	GA	Piston Rod Socket Joint	GY
	∅		∅		∅		∅
BF-32	32 ✓	G-25-32	32 ✓	GA-32	32 ✓	GY-32	32 ✓
BF-40-50	40-50 ✓	G-40	40 ✓	GA-40	40 ✓	GY-40	40 ✓
BF-63-80	63-80 ✓	G-50-63	50-63 ✓	GA-50-63	50-63 ✓	GY-50-63	50-63 ✓
BF-100-125	100-125 ✓	G-80-100	80-100 ✓	GA-80-100	80-100 ✓	GY-80-100	80-100 ✓
		G-41-125	125 ✓	GA-41-125	125 ✓		

Clevis Pin	S	Piston Rod Lock Nut	U	Self Aligning Rod	GK	Coupling Piece	GKF
	∅		∅		∅		∅
S-32	32 ✓	U-25-32	32 ✓	GK-25-32	32 ✓	GKF-25-32	32 ✓
S-40	40 ✓	U-40	40 ✓	GK-40	40 ✓	GKF-40	40 ✓
S-50	50 ✓	U-50-63	50-63 ✓	GK-50-63	50-63 ✓	GKF-50-63	50-63 ✓
S-63	63 ✓	U-80-100	80-100 ✓	GK-80-100	80-100 ✓	GKF-80-100	80-100 ✓
S-80	80 ✓	U-41-125	125 ✓	GK-125	125 ✓	GKF-125	125 ✓
S-100	100 ✓						
S-125	125 ✓						

PNEUMATIC ACTUATION

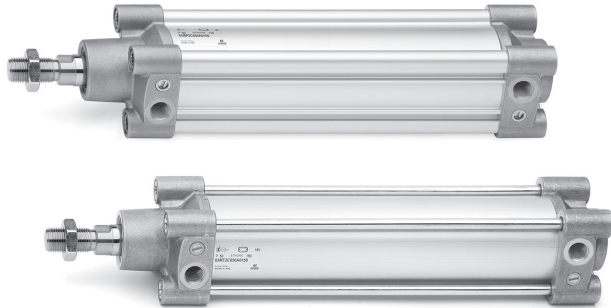
Main  
 Section



# Series 63 Cylinders - ISO 15552

Single and double-acting, magnetic, cushioned.  
Standard, low friction, high and low temperatures  
Ø 32, 40, 50, 63, 80, 100, 125 mm.

Example of assembly with a valve on page 49



**Technical Data**

**Operating Pressure**  
1 bar to 10 bar (standard, high and low temperatures)  
0.1 bar to 10 bar (low friction)

**Operating Temperature**  
Standard and low friction: 0°C to +80°C. (with dry air -20°C)  
High temperatures (version W): 0°C to +150°C. (with dry air -20°C)  
Low temperatures (version Z): -40°C to 60°C (with dry air -40°C)  
Low temperatures (version Y): -50°C to 60°C (with dry air -50°C)

Full Data Sheet and Dimensions at <https://store.camozzi.co.uk>

PNEUMATIC ACTUATION

**ACCESSORIES**

- ✓ Ex Stock
- 🔧 UK Assembly
- 📞 Please Call Sales Office

REED SWITCH	SWITCH MOUNTING BRACKET	BANJO FLOW CONTROL	BANJO RING FITTING	STRAIGHT CONNECTION	ELBOW FITTING



Part Number Availability Bore Port Size

**Round Tube Construction**

Single-Acting (Magnetic), Cushioning on both sides

63MT1C032A*	🔧	32	1/8
63MT1C040A*	🔧	40	1/4
63MT1C050A*	🔧	50	1/4
63MT1C063A*	🔧	63	3/8
63MT1C080A*	🔧	80	3/8
63MT1C100A*	🔧	100	1/2
63MT1C125A*	🔧	125	1/2

Double-Acting (Magnetic), Cushioning on both sides

63MT2C032A*	🔧	32	1/8
63MT2C040A*	🔧	40	1/4
63MT2C050A*	🔧	50	1/4
63MT2C063A*	🔧	63	3/8
63MT2C080A*	🔧	80	3/8
63MT2C100A*	🔧	100	1/2
63MT2C125A*	🔧	125	1/2

**Profile Construction**

Single-Acting (Magnetic), Cushioning on both sides

63MP1C032A*	🔧	32	1/8
63MP1C040A*	🔧	40	1/4
63MP1C050A*	🔧	50	1/4
63MP1C063A*	🔧	63	3/8
63MP1C080A*	🔧	80	3/8
63MP1C100A*	🔧	100	1/2
63MP1C125A*	🔧	125	1/2

Double-Acting (Magnetic), Cushioning on both sides

63MP2C032A*	🔧	32	1/8
63MP2C040A*	🔧	40	1/4
63MP2C050A*	🔧	50	1/4
63MP2C063A*	🔧	63	3/8
63MP2C080A*	🔧	80	3/8
63MP2C100A*	🔧	100	1/2
63MP2C125A*	🔧	125	1/2

CST-220	SCD32	SCU 604-1/8	6610 4-1/8	S6510 4-1/8	S6520 4-1/8
CST-220	SCD32	SCU 606-1/4	6610 6-1/4	S6510 6-1/4	S6520 6-1/4
CST-220	SCD32	SCU 606-1/4	6610 6-1/4	S6510 6-1/4	S6520 6-1/4
CST-220	SCD32	SCU 608-3/8	6610 8-3/8	S6510 8-3/8	S6520 8-3/8
CST-220	SCD80	SCU 608-3/8	6610 8-3/8	S6510 8-3/8	S6520 8-3/8
CST-220	SCD80	SCU 610-1/2	S6510 10-1/2	S6510 10-1/2	S6520 10-1/2
CST-220	S-CST-27	SCU 610-1/2	S6510 10-1/2	S6510 10-1/2	S6520 10-1/2
CST-220	SCD32	SCU 604-1/8	6610 4-1/8	S6510 4-1/8	S6520 4-1/8
CST-220	SCD32	SCU 606-1/4	6610 6-1/4	S6510 6-1/4	S6520 6-1/4
CST-220	SCD32	SCU 606-1/4	6610 6-1/4	S6510 6-1/4	S6520 6-1/4
CST-220	SCD32	SCU 608-3/8	6610 8-3/8	S6510 8-3/8	S6520 8-3/8
CST-220	SCD80	SCU 608-3/8	6610 8-3/8	S6510 8-3/8	S6520 8-3/8
CST-220	SCD80	SCU 610-1/2	S6510 10-1/2	S6510 10-1/2	S6520 10-1/2
CST-220	S-CST-27	SCU 610-1/2	S6510 10-1/2	S6510 10-1/2	S6520 10-1/2
CSH-223-2	Direct Mount	SCU 604-1/8	6610 4-1/8	S6510 4-1/8	S6520 4-1/8
CSH-223-2	Direct Mount	SCU 606-1/4	6610 6-1/4	S6510 6-1/4	S6520 6-1/4
CSH-223-2	Direct Mount	SCU 606-1/4	6610 6-1/4	S6510 6-1/4	S6520 6-1/4
CSH-223-2	Direct Mount	SCU 608-3/8	6610 8-3/8	S6510 8-3/8	S6520 8-3/8
CSH-223-2	Direct Mount	SCU 608-3/8	6610 8-3/8	S6510 8-3/8	S6520 8-3/8
CSH-223-2	Direct Mount	SCU 610-1/2	S6510 10-1/2	S6510 10-1/2	S6520 10-1/2
CSH-223-2	Direct Mount	SCU 610-1/2	S6510 10-1/2	S6510 10-1/2	S6520 10-1/2
CSH-223-2	Direct Mount	SCU 604-1/8	6610 4-1/8	S6510 4-1/8	S6520 4-1/8
CSH-223-2	Direct Mount	SCU 606-1/4	6610 6-1/4	S6510 6-1/4	S6520 6-1/4
CSH-223-2	Direct Mount	SCU 606-1/4	6610 6-1/4	S6510 6-1/4	S6520 6-1/4
CSH-223-2	Direct Mount	SCU 608-3/8	6610 8-3/8	S6510 8-3/8	S6520 8-3/8
CSH-223-2	Direct Mount	SCU 608-3/8	6610 8-3/8	S6510 8-3/8	S6520 8-3/8
CSH-223-2	Direct Mount	SCU 610-1/2	S6510 10-1/2	S6510 10-1/2	S6520 10-1/2
CSH-223-2	Direct Mount	SCU 610-1/2	S6510 10-1/2	S6510 10-1/2	S6520 10-1/2

\*Insert stroke length to complete part number

**STANDARD STROKES FOR CYLINDERS SERIES 63**

- Double-acting, (standard, low friction, high/low temperatures)
- \* Single-acting front spring (standard, high/low temperature)
- ▲ Single-acting, rear spring (standard, high/low temperatures)

	ø32	ø40	ø50	ø63	ø80	ø100	ø125
Standard Stroke							
25	■*▲	■*▲	■*▲	■*▲	■*▲		
50	■*▲	■*▲	■*▲	■*▲	■*▲	■*▲	■*▲
75	■*	■*	■*	■*	■*	■*	■*
80	■	■	■	■	■	■	■
100	■	■	■	■	■	■	■
125	■	■	■	■	■	■	■
150	■	■	■	■	■	■	■
160	■	■	■	■	■	■	■
200	■	■	■	■	■	■	■
250	■	■	■	■	■	■	■
300	■	■	■	■	■	■	■
320	■	■	■	■	■	■	■
400	■	■	■	■	■	■	■
500	■	■	■	■	■	■	■

For cylinders over 1000mm stroke and other versions, please contact our sales office or your local Camozzi distributor.

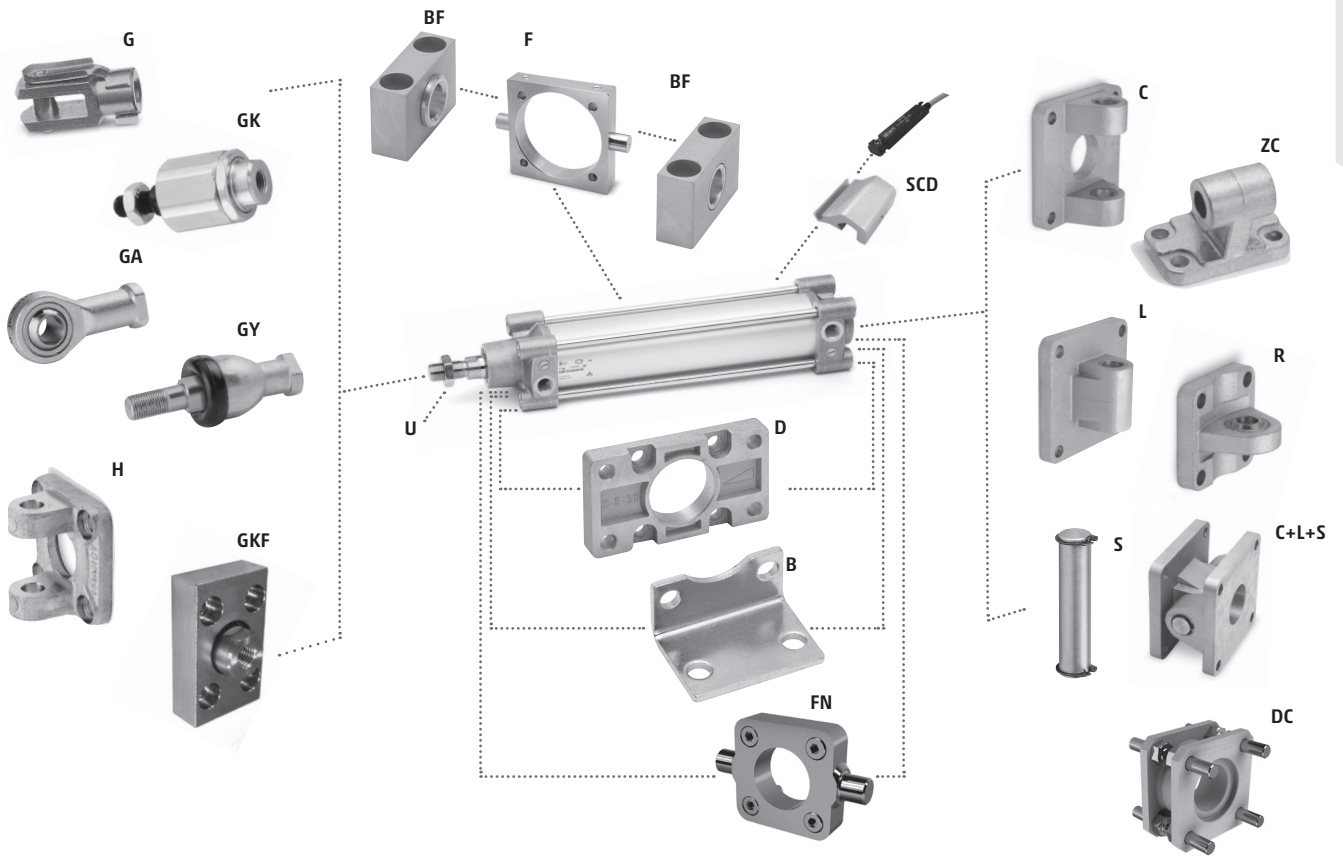
**CODING EXAMPLE**

<b>63</b>	<b>M</b>	<b>P</b>	<b>2</b>	<b>C</b>	<b>050</b>	<b>A</b>	<b>0200</b>	<b>W</b>				
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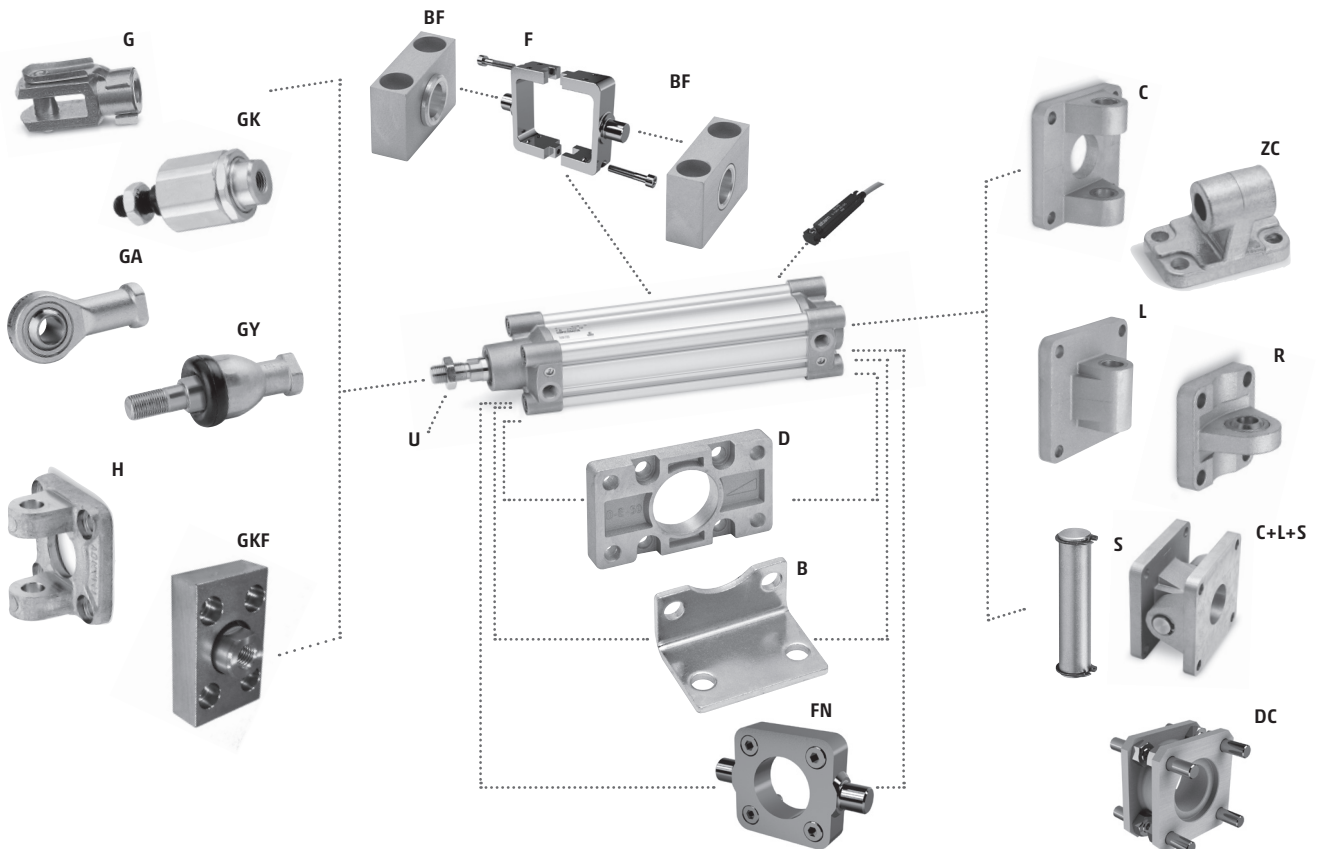
<b>63</b>	SERIES: 63	<b>W</b>	TEMPERATURE RANGE: = standard (-20°C/+80°C) W = high temperatures (150°C) Z = low temperatures (-40°C) Y = low temperatures (-50°C)
<b>M</b>	VERSION: M = standard, magnetic V = smooth movement (low speed), magnetic L = Low friction, magnetic		
<b>P</b>	CONSTRUCTION: T = round tube P = profile		RESISTANCE TO CORROSION: = standard C1 = rod nut AISI 304 stainless steel, rod AISI 304 stainless steel C2 = end cap treated screws (profile) or AISI 303 tie-rods and AISI 420B tie-rods (round tube) C3 = C2 + AISI 316 rod nut, AISI 316 rod C4 = C1 + C2 C5 = C3 + end caps with triple protection
<b>2</b>	OPERATION: 1 = single-acting, front spring 2 = double-acting 6 = double-acting, through-rod 7 = single-acting, through-rod 9 = single-acting, rear spring		
<b>C</b>	CUSHIONING: N = no cushioning (mechanical endstops) C = cushioning on both sides F = front cushioning R = rear cushioning		ROD VARIATIONS: = standard (male rod thread) F = female rod thread K = end caps with Kanigen treatment L = without rod seal (rear air inlet only) V = FKM rod seal R = NBR rod seal U = unlubricated operation H = hydrolytic environment A = use in food and other frequent washdown applications G = dry and dusty environments (with brass rod scraper and chrome-plated stainless steel AISI 420B rod) B = cylinder with NBR bellow rod protection B2 = cylinder with through rod and NBR bellow rod protection on both sides (__ __) = rod longer than __ __ mm
<b>050</b>	BORE: 32, 40, 50, 63, 80, 100, 125mm		
<b>A</b>	CONSTRUCTION: A = standard with rod nut RL = cylinder with rod lock DC = back to back cylinder with DC accessory (X1/X2) TR = back to back cylinder for round tube (X1/X2) F = cylinder with centre trunnion		
<b>0200</b>	STROKE: = standard N = tandem / = more positions X1/X2 (X1<X2)		OTHER: P = cylinder with RAL 7035 polyurethane coating
			CERTIFICATIONS: EX = ATEX



Series 63 Accessories - Round Tube



Series 63 Accessories - Profile



Series 63 Accessories

- ✓ Ex Stock
- 🔧 UK Assembly
- 📞 Please Call Sales Office

PNEUMATIC ACTUATION

Foot Mount (pair) <b>B</b>		Front and Rear Flange <b>D</b>		Rear Trunnion, Female <b>C</b>		Rear Trunnion, Male <b>L</b>	
∅		∅		∅		∅	
B-41-32	32 ✓	D-E-41-32	32 ✓	C-41-32	32 ✓	L-41-32	32 ✓
B-41-40	40 ✓	D-E-41-40	40 ✓	C-41-40	40 ✓	L-41-40	40 ✓
B-41-50	50 ✓	D-E-41-50	50 ✓	C-41-50	50 ✓	L-41-50	50 ✓
B-41-63	63 ✓	D-E-41-63	63 ✓	C-H-41-63	63 ✓	L-41-63	63 ✓
B-41-80	80 ✓	D-E-41-80	80 ✓	C-H-41-80	80 ✓	L-41-80	80 ✓
B-41-100	100 ✓	D-E-41-100	100 ✓	C-H-41-100	100 ✓	L-41-100	100 ✓
B-41-125	125 ✓	D-E-41-125	125 ✓	C-H-41-125	125 ✓	L-41-125	125 ✓

Front Trunnion, Female <b>H</b>		90° Swivel Trunnion <b>ZC</b>		Rear Trunnion Ball Joint <b>R</b>		Counter Bracket (Pair) <b>BF</b> (for Centre Trunnion) ∅	
∅		∅		∅		∅	
H-41-32	32 ✓	ZC-32	32 ✓	R-41-32	32 ✓	BF-32	32 ✓
H-41-40	40 ✓	ZC-40	40 ✓	R-41-40	40 ✓	BF-40-50	40-50 ✓
H-41-50	50 ✓	ZC-50	50 ✓	R-41-50	50 ✓	BF-63-80	63-80 ✓
H-60-63	63 ✓	ZC-63	63 ✓	R-41-63	63 ✓	BF-100-125	100-125 ✓
C-H-41-80	80 ✓	ZC-80	80 ✓	R-41-80	80 ✓		
C-H-41-100	100 ✓	ZC-100	100 ✓	R-41-100	100 ✓		
C-H-41-125	125 ✓	ZC-125	125 ✓	R-41-125	125 ✓		

Opposed Cylinder Coupler <b>DC</b>		Front/Rear Trunnion <b>FN</b>		Rod Fork End <b>G</b>		Swivel Ball Joint <b>GA</b>	
∅		∅		∅		∅	
DC-63-32	32 📞	FN-32	32 📞	G-25-32	32 ✓	GA-32	32 ✓
DC-63-40	40 📞	FN-40	40 📞	G-40	40 ✓	GA-40	40 ✓
DC-63-50	50 📞	FN-50	50 📞	G-50-63	50-63 ✓	GA-50-63	50-63 ✓
DC-63-63	63 📞	FN-63	63 📞	G-80-100	80-100 ✓	GA-80-100	80-100 ✓
DC-63-80	80 📞	FN-80	80 📞	G-41-125	125 ✓	GA-41-125	125 ✓
DC-63-100	100 📞	FN-100	100 📞				
DC-63-125	125 📞	FN-125	125 📞				

Piston Rod Socket Joint <b>GY</b>		Clevis Pin <b>S</b>		Piston Rod Lock Nut <b>U</b>		Self Aligning Rod <b>GK</b>	
∅		∅		∅		∅	
GY-32	32 ✓	S-32	32 ✓	U-25-32	32 ✓	GK-25-32	25-32 ✓
GY-40	40 ✓	S-40	40 ✓	U-40	40 ✓	GK-40	40 ✓
GY-50-63	50-63 ✓	S-50	50 ✓	U-50-63	50-63 ✓	GK-50-63	50-63 ✓
GY-80-100	80-100 ✓	S-63	63 ✓	U-80-100	80-100 ✓	GK-80-100	80-100 ✓
		S-80	80 ✓	U-41-125	125 ✓	GK-125	125 ✓
		S-100	100 ✓				
		S-125	125 ✓				

Coupling Piece <b>GKF</b>		Swivel Combination <b>C+L+S</b>		Centre Trunnion (for round tube) <b>F</b>		Centre Trunnion (for Profile) <b>F</b>	
∅		∅		∅		∅	
GKF-25-32	32 ✓	C+L+S-32	32 ✓	F-32	32 ✓	F-63-32	32 ✓
GKF-40	40 ✓	C+L+S-40	40 ✓	F-40	40 ✓	F-63-40	40 ✓
GKF-50-63	50-63 ✓	C+L+S-50	50 ✓	F-50	50 ✓	F-63-50	50 ✓
GKF-80-100	80-100 ✓	C+L+S-63	63 ✓	F-63	63 ✓	F-63-63	63 ✓
GKF-125	125 ✓	C+L+S-80	80 ✓	F-80	80 ✓	F-63-80	80 ✓
		C+L+S-100	100 ✓	F-100	100 ✓	F-63-100	100 ✓
		C+L+S-125	125 ✓	F-125	125 ✓	F-63-125	125 ✓



# Series 32 Compact Magnetic Cylinders

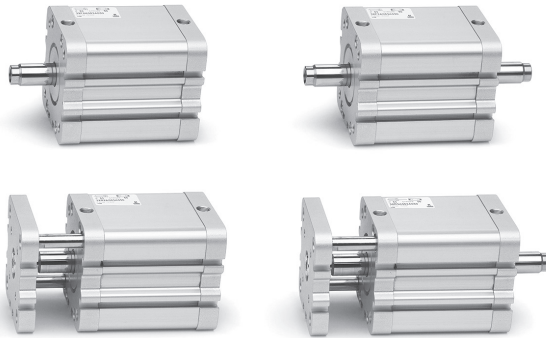
ISO 21287

Single and Double-acting, non-rotating, magnetic  
 Ø 20, 25, 32, 40, 50, 63, 80, 100 mm

**SAME DAY**  
 CYLINDER  
 SERVICE



Also available in tandem and multi-position versions



**Technical Data**

**Operating Pressure**  
 1 bar to 10 bar (double-acting)  
 2 bar to 10 bar (single-acting)

**Operating Temperature**  
 0°C to +80°C.  
 (with dry air -20°C)

Full Data Sheet and Dimensions at  
<https://store.camozzi.co.uk>

PNEUMATIC ACTUATION

Double-acting, Single-acting and Non-rotating (through rod and non-standard strokes available on request)

**STANDARD STROKES FOR CYLINDERS SERIES 32**

- Double-acting
- ✕ Single-acting
- Non-rotating

	Ø20	Ø25	Ø32	Ø40	Ø50	Ø63	Ø80	Ø100
Standard Stroke								
5	■ ✕ ●	■ ✕ ●	■ ✕ ●	■ ✕ ●				
10	■ ✕ ●	■ ✕ ●	■ ✕ ●	■ ✕ ●	■ ✕ ●	■ ✕ ●	■ ✕ ●	■ ✕ ●
15	■ ✕ ●	■ ✕ ●	■ ✕ ●	■ ✕ ●	■ ✕ ●	■ ✕ ●	■ ✕ ●	■ ✕ ●
20	■ ✕ ●	■ ✕ ●	■ ✕ ●	■ ✕ ●	■ ✕ ●	■ ✕ ●	■ ✕ ●	■ ✕ ●
25	■ ✕ ●	■ ✕ ●	■ ✕ ●	■ ✕ ●	■ ✕ ●	■ ✕ ●	■ ✕ ●	■ ✕ ●
30	■ ●	■ ●	■ ●	■ ●	■ ●	■ ●	■ ●	■ ●
40	■ ●	■ ●	■ ●	■ ●	■ ●	■ ●	■ ●	■ ●
50	■ ●	■ ●	■ ●	■ ●	■ ●	■ ●	■ ●	■ ●
60			■ ●	■ ●	■ ●	■ ●	■ ●	■ ●
75			■ ●	■ ●	■ ●	■ ●	■ ●	■ ●
80			■ ●	■ ●	■ ●	■ ●	■ ●	■ ●
100			■ ●	■ ●	■ ●	■ ●	■ ●	■ ●



**CODING EXAMPLE**

<b>32</b>	<b>M</b>	<b>2</b>	<b>A</b>	<b>032</b>	<b>A</b>	<b>050</b>	<b>-</b>
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<p><b>32</b> SERIES: 32 compact magnetic</p>	<p><b>032</b> BORE: 20, 25, 32, 40, 50, 63, 80, 100mm</p>
<p><b>M</b> VERSION: M = male rod thread F = female rod thread R = non-rotation with flange</p>	<p><b>A</b> CONSTRUCTION: A = standard</p>
<p><b>2</b> OPERATION: 1 = single-acting front spring 2 = double-acting 3 = double-acting through-rod 4 = single-acting rear spring</p>	<p><b>050</b> STROKE: (see table)</p>
<p><b>A</b> MATERIALS: A = Anodized aluminium body, end-blocks and piston, PU rod seal, end-covers OR and piston seal</p>	<p><b>-</b> SPECIAL: V = rod seals in viton W = seals in viton for high temperatures (140°C) double acting non magnetic</p>

**NOTE:** Rod nuts and accessories are supplied separately.

**ACCESSORIES**

- ✓ Ex Stock
- 🔧 UK Assembly
- ☎ Please Call Sales Office



Part Number	Availability	Bore	Port Size
<b>Single-Acting. Male Rod Thread</b>			
32M1A020*	🔧	20	M5
32M1A025*	🔧	25	M5
32M1A032*	🔧	32	1/8
32M1A040*	🔧	40	1/8
32M1A050*	🔧	50	1/8
32M1A063*	🔧	63	1/8
32M1A080*	🔧	80	1/8
32M1A100*	🔧	100	1/8

REED SWITCH	SWITCH MOUNTING BRACKET	BANJO FLOW CONTROL	BANJO RING FITTING	STRAIGHT CONNECTION	ELBOW FITTING
SKR2C01200	Direct Mount	SCU 602-M5	6610 4-M6	6512 4-M5	6522 4-M5
SKR2C01200	Direct Mount	SCU 602-M5	6610 4-M6	6512 4-M5	6522 4-M5
SKR2C01200	Direct Mount	SCU 604-1/8	6610 6-1/8	S6510 6-1/8	S6520 6-1/8
SKR2C01200	Direct Mount	SCU 604-1/8	6610 6-1/8	S6510 6-1/8	S6520 6-1/8
SKR2C01200	Direct Mount	SCU 604-1/8	6610 6-1/8	S6510 6-1/8	S6520 6-1/8
SKR2C01200	Direct Mount	SCU 604-1/8	6610 6-1/8	S6510 6-1/8	S6520 6-1/8
SKR2C01200	Direct Mount	SCU 604-1/8	6610 8-1/8	S6510 8-1/8	S6520 8-1/8
SKR2C01200	Direct Mount	SCU 604-1/8	6610 8-1/8	S6510 8-1/8	S6520 8-1/8

Part Number	Availability	Bore	Port Size
<b>Single-Acting. Female Rod Thread</b>			
32F1A020*	🔧	20	M5
32F1A025*	🔧	25	M5
32F1A032*	🔧	32	1/8
32F1A040*	🔧	40	1/8
32F1A050*	🔧	50	1/8
32F1A063*	🔧	63	1/8
32F1A080*	🔧	80	1/8
32F1A100*	🔧	100	1/8

SKR2C01200	Direct Mount	SCU 602-M5	6610 4-M6	6512 4-M5	6522 4-M5
SKR2C01200	Direct Mount	SCU 602-M5	6610 4-M6	6512 4-M5	6522 4-M5
SKR2C01200	Direct Mount	SCU 604-1/8	6610 6-1/8	S6510 6-1/8	S6520 6-1/8
SKR2C01200	Direct Mount	SCU 604-1/8	6610 6-1/8	S6510 6-1/8	S6520 6-1/8
SKR2C01200	Direct Mount	SCU 604-1/8	6610 6-1/8	S6510 6-1/8	S6520 6-1/8
SKR2C01200	Direct Mount	SCU 604-1/8	6610 6-1/8	S6510 6-1/8	S6520 6-1/8
SKR2C01200	Direct Mount	SCU 604-1/8	6610 8-1/8	S6510 8-1/8	S6520 8-1/8
SKR2C01200	Direct Mount	SCU 604-1/8	6610 8-1/8	S6510 8-1/8	S6520 8-1/8

Part Number	Availability	Bore	Port Size
<b>Double-Acting. Male Rod Thread</b>			
32M2A020*	🔧	20	M5
32M2A025*	🔧	25	M5
32M2A032*	🔧	32	1/8
32M2A040*	🔧	40	1/8
32M2A050*	🔧	50	1/8
32M2A063*	🔧	63	1/8
32M2A080*	🔧	80	1/8
32M2A100*	🔧	100	1/8

SKR2C01200	Direct Mount	SCU 602-M5	6610 4-M6	6512 4-M5	6522 4-M5
SKR2C01200	Direct Mount	SCU 602-M5	6610 4-M6	6512 4-M5	6522 4-M5
SKR2C01200	Direct Mount	SCU 604-1/8	6610 6-1/8	S6510 6-1/8	S6520 6-1/8
SKR2C01200	Direct Mount	SCU 604-1/8	6610 6-1/8	S6510 6-1/8	S6520 6-1/8
SKR2C01200	Direct Mount	SCU 604-1/8	6610 6-1/8	S6510 6-1/8	S6520 6-1/8
SKR2C01200	Direct Mount	SCU 604-1/8	6610 6-1/8	S6510 6-1/8	S6520 6-1/8
SKR2C01200	Direct Mount	SCU 604-1/8	6610 8-1/8	S6510 8-1/8	S6520 8-1/8
SKR2C01200	Direct Mount	SCU 604-1/8	6610 8-1/8	S6510 8-1/8	S6520 8-1/8

Part Number	Availability	Bore	Port Size
<b>Double-Acting. Female Rod Thread</b>			
32F2A020*	🔧	20	M5
32F2A025*	🔧	25	M5
32F2A032*	🔧	32	1/8
32F2A040*	🔧	40	1/8
32F2A050*	🔧	50	1/8
32F2A063*	🔧	63	1/8
32F2A080*	🔧	80	1/8
32F2A100*	🔧	100	1/8

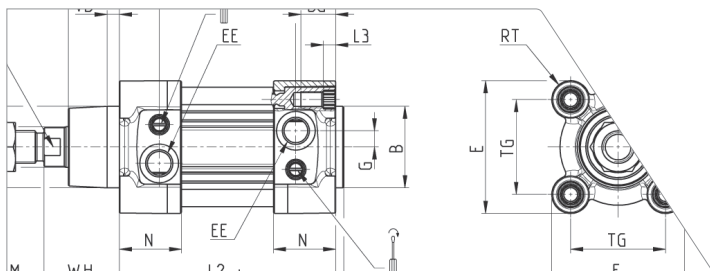
SKR2C01200	Direct Mount	SCU 602-M5	6610 4-M6	6512 4-M5	6522 4-M5
SKR2C01200	Direct Mount	SCU 602-M5	6610 4-M6	6512 4-M5	6522 4-M5
SKR2C01200	Direct Mount	SCU 604-1/8	6610 6-1/8	S6510 6-1/8	S6520 6-1/8
SKR2C01200	Direct Mount	SCU 604-1/8	6610 6-1/8	S6510 6-1/8	S6520 6-1/8
SKR2C01200	Direct Mount	SCU 604-1/8	6610 6-1/8	S6510 6-1/8	S6520 6-1/8
SKR2C01200	Direct Mount	SCU 604-1/8	6610 6-1/8	S6510 6-1/8	S6520 6-1/8
SKR2C01200	Direct Mount	SCU 604-1/8	6610 8-1/8	S6510 8-1/8	S6520 8-1/8
SKR2C01200	Direct Mount	SCU 604-1/8	6610 8-1/8	S6510 8-1/8	S6520 8-1/8

Part Number	Availability	Bore	Port Size
<b>Double-Acting. Non-Rotating</b>			
32R2A020*	🔧	20	M5
32R2A025*	🔧	25	M5
32R2A032*	🔧	32	1/8
32R2A040*	🔧	40	1/8
32R2A050*	🔧	50	1/8
32R2A063*	🔧	63	1/8
32R2A080*	🔧	80	1/8
32R2A100*	🔧	100	1/8

SKR2C01200	Direct Mount	SCU 602-M5	6610 4-M6	6512 4-M5	6522 4-M5
SKR2C01200	Direct Mount	SCU 602-M5	6610 4-M6	6512 4-M5	6522 4-M5
SKR2C01200	Direct Mount	SCU 604-1/8	6610 6-1/8	S6510 6-1/8	S6520 6-1/8
SKR2C01200	Direct Mount	SCU 604-1/8	6610 6-1/8	S6510 6-1/8	S6520 6-1/8
SKR2C01200	Direct Mount	SCU 604-1/8	6610 6-1/8	S6510 6-1/8	S6520 6-1/8
SKR2C01200	Direct Mount	SCU 604-1/8	6610 6-1/8	S6510 6-1/8	S6520 6-1/8
SKR2C01200	Direct Mount	SCU 604-1/8	6610 8-1/8	S6510 8-1/8	S6520 8-1/8
SKR2C01200	Direct Mount	SCU 604-1/8	6610 8-1/8	S6510 8-1/8	S6520 8-1/8

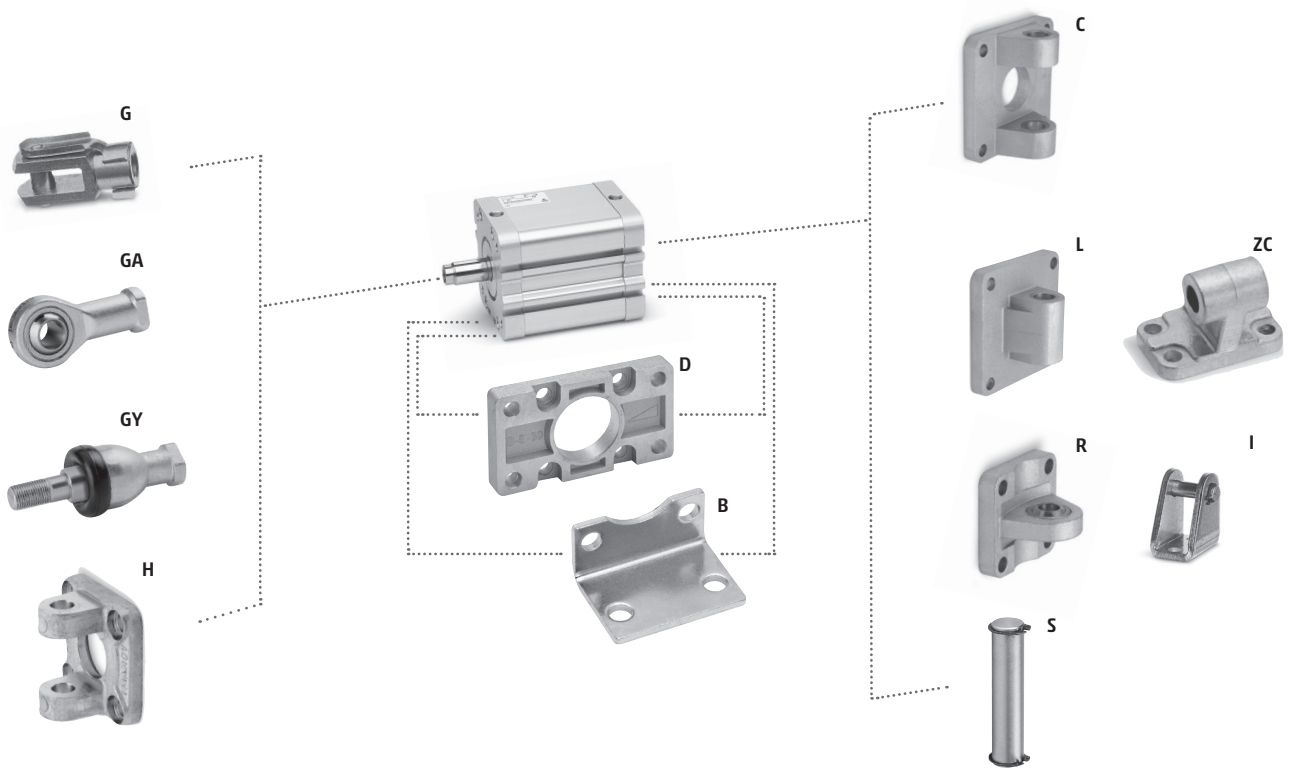
\*Insert stroke length to complete part number

# Technical Data Sheets



Full technical data sheets available at: <https://store.camozzi.co.uk>

Series 32 Accessories



- ✓ Ex Stock
- 🔧 UK Assembly
- 📞 Please Call Sales Office

Foot Mount (pair) <b>B</b>			Front and Rear Flange <b>D</b>			Rear Trunnion, Female <b>C</b>			Rear Trunnion, Male <b>L</b>		
	∅			∅			∅		∅		
B-32-20	20	✓	D-E-32-20	20	✓	C-41-32	32	✓	L-32-20	20	✓
B-31-25	25	✓	D-E-32-25	25	✓	C-41-40	40	✓	L-32-25	25	✓
B-41-32	32	✓	D-E-41-32	32	✓	C-41-50	50	✓	L-41-32	32	✓
B-41-40	40	✓	D-E-41-40	40	✓	C-H-41-63	63	✓	L-41-40	40	✓
B-41-50	50	✓	D-E-41-50	50	✓	C-H-41-80	80	✓	L-41-50	50	✓
B-41-63	63	✓	D-E-41-63	63	✓	C-H-41-100	100	✓	L-41-63	63	✓
B-41-80	80	✓	D-E-41-80	80	✓				L-41-80	80	✓
B-41-100	100	✓	D-E-41-100	100	✓				L-41-100	100	✓

Front Trunnion, Female <b>H</b>			90° Swivel Trunnion <b>ZC</b>			Rear Trunnion Ball Joint <b>R</b>			Rear Trunnion Bracket <b>I</b>		
	∅		(to CETOP RP 107P)	∅			∅			∅	
H-41-32	32	✓	ZC 32	32	✓	R-41-32	32	✓	I-20-25	20	✓
H-41-40	40	✓	ZC 40	40	✓	R-41-40	40	✓	I-20-25	25	✓
H-41-50	50	✓	ZC 50	50	✓	R-41-50	50	✓			
H-60-63	63	✓	ZC 63	63	✓	R-41-63	63	✓			
C-H-41-80	80	✓	ZC 80	80	✓	R-41-80	80	✓			
C-H-41-100	100	✓	ZC 100	100	✓	R-41-100	100	✓			

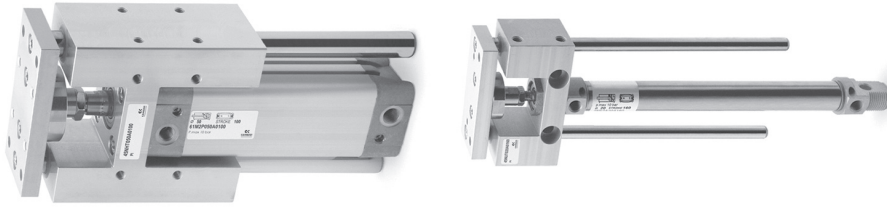
Clevis Pin <b>S</b>			Rod Fork End <b>G</b>			Swivel Ball Joint <b>GA</b>			Piston Rod Socket Joint <b>GY</b>		
	∅			∅			∅			∅	
S-32	32	✓	G-20	20-25	✓	GA-20	20-25	✓	GY-20	20-25	✓
S-40	40	✓	G-25-32	32-40	✓	GA-32	32-40	✓	GY-32	32-40	✓
S-50	50	✓	G-40	50-63	✓	GA-40	50-63	✓	GY-40	50-63	✓
S-63	63	✓	G-50-63	80-100	✓	GA-50-63	80-100	✓	GY-50-63	80-100	✓
S-80	80	✓									
S-100	100	✓									

# Series 45 Guide Units

For cylinders DIN/ISO 6432: Ø 12, 16, 20, 25 mm  
For cylinders DIN/ISO 6431: Ø 32, 40, 50, 63, 80, 100 mm



The Camozzi Series 45 are available in three different models depending on the applicable loads.



**Technical Data**  
**Operating Temperature**  
0°C to +80°C  
(with dry air -20°C to +80°C)  
Full Data Sheet and Dimensions at  
<https://store.camozzi.co.uk>

PNEUMATIC ACTUATION

✓ Ex Stock    🇬🇧 UK Assembly    ☎ Please call Sales Office

Part Number	Availability	Bore
<b>U' Self Lubricating Guide</b>		
45NUT012A*	🔧	12
45NUT016A*	🔧	16
45NUT020A*	🔧	20
45NUT025A*	🔧	25
45NUT032A*	🔧	32
45NUT040A*	🔧	40
45NUT050A*	🔧	50
45NUT063A*	🔧	63
45NUT080A*	🔧	80
45NUT100A*	🔧	100

\*Insert stroke length to complete part number

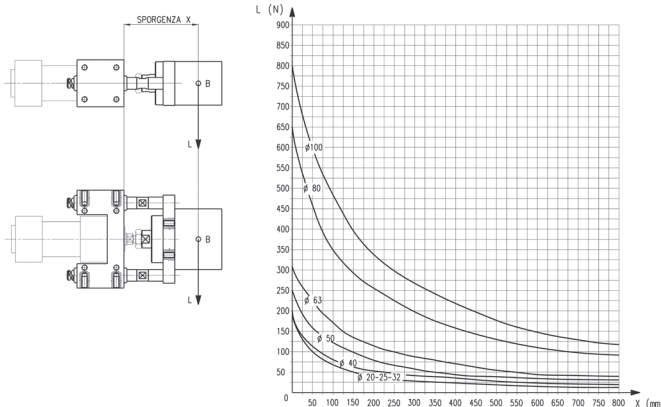
Part Number	Availability	Bore
<b>H' Self Lubricating Guide</b>		
45NHT012A*	🔧	12
45NHT016A*	🔧	16
45NHT020A*	🔧	20
45NHT025A*	🔧	25
45NHT032A*	🔧	32
45NHT040A*	🔧	40
45NHT050A*	🔧	50
45NHT063A*	🔧	63
45NHT080A*	🔧	80
45NHT100A*	🔧	100

\*Insert stroke length to complete part number

Part Number	Availability	Bore
<b>H' Ball Guide</b>		
45NHB012A*	🔧	12
45NHB016A*	🔧	16
45NHB020A*	🔧	20
45NHB025A*	🔧	25
45NHB032A*	🔧	32
45NHB040A*	🔧	40
45NHB050A*	🔧	50
45NHB063A*	🔧	63
45NHB080A*	🔧	80
45NHB100A*	🔧	100

\*Insert stroke length to complete part number

Applicable loads on 45 NUT guides depending on projection



B = centre of gravity for applied load  
L = load  
X = fixed projection + stroke  
fixed projection = distance to the centre of gravity

Applicable loads on 45 NHB and NHT guides depending on projection

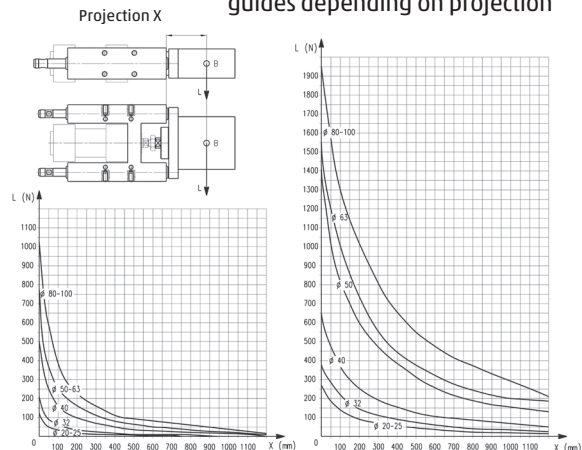


Diagram N.2 - "HB" guide with linear ball bearing (45 NHB)

Diagram N.3 - "HT" Guide moving on bush (45 NHT)

### CODING EXAMPLE

<b>45</b>	<b>N</b>	<b>UT</b>	<b>050</b>	<b>A</b>	<b>0100</b>
<b>45</b> SERIES: 45		<b>UT</b> OPERATION: UT = "U" self lubricating guide HT = "H" self lubricating guide HB = "H" ball guide		<b>A</b> MATERIAL: A = anodised aluminium body stainless steel columns for UT and HT hardened steel for HB	
<b>N</b> VERSION: N = standard		<b>050</b> BORE: 12, 16, 20, 25, 32, 40, 50, 63, 80, 100mm		<b>0100</b> STROKE: in mm	



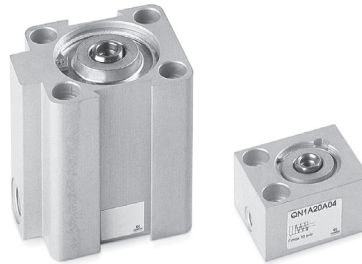


# Series QN Short-Stroke Cylinders

Single-acting, non magnetic  
 Ø 8, 12, 20, 32, 50, 63 mm

The Camozzi short-stroke cylinder range has been designed to be installed within confined spaces.

QN1A	
Ø	Stroke
8	4
	10
12	4
	10
20	4
	10
32	5
	10
	25
50	10
	25
63	10
	25



**Technical Data**  
**Operating Pressure**  
 2 bar to 10 bar  
**Operating Temperature**  
 0°C to +80°C. (with dry air -20°C)  
 Full Data Sheet and Dimensions at  
<https://store.camozzi.co.uk>

PNEUMATIC ACTUATION



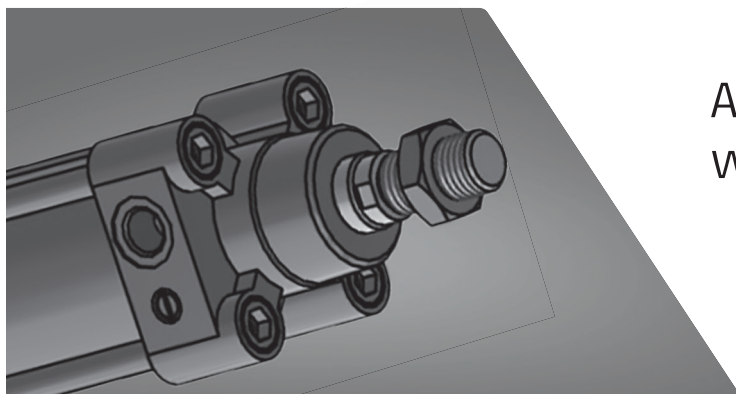
- ✓ Ex Stock
- 🇬🇧 UK Assembly
- 📞 Please Call Sales Office

## ACCESSORIES

	BANJO FLOW CONTROL	BANJO RING FITTING	STRAIGHT FITTING	ELBOW FITTING			
<b>Part Number</b>							
<b>Availability</b>							
<b>Bore</b>							
<b>Port Size</b>							
<b>Single-Acting</b>							
QN1A08A*	📞	8	M5	SCU 602-M5	6610 4-M6	6512 4-M5	6522 4-M5
QN1A12A*	✓	12	M5	SCU 602-M5	6610 4-M6	6512 4-M5	6522 4-M5
QN1A20A*	✓	20	M5	SCU 602-M5	6610 4-M6	6512 4-M5	6522 4-M5
QN1A32A*	✓	32	1/8	SCU 604-1/8	6610 6-1/8	6512 6-1/8	6522 6-1/8
QN1A50A*	✓	50	1/8	SCU 604-1/8	6610 6-1/8	6512 6-1/8	6522 6-1/8
QN1A63A*	📞	63	1/8	SCU 604-1/8	6610 6-1/8	6512 6-1/8	6522 6-1/8

\*Insert stroke length to complete part number

## CAD Drawings



Access CAD models at:  
[www.camozzi.co.uk](http://www.camozzi.co.uk)

# Series QP-QPR Short-Stroke Cylinders

Series QP: Single and double-acting, magnetic  
Series QPR: Double-acting magnetic, non-rotating  
Ø 12, 16, 20, 25, 32, 40, 50, 63, 80, 100 mm



### Technical Data

**Operating Pressure**  
1 bar to 10 bar (double-acting)  
2 bar to 10 bar (single-acting)

**Operating Temperature**  
0°C to +80°C. (with dry air -20°C)

Full Data Sheet and Dimensions at  
<https://store.camozzi.co.uk>



Main



Section

- ✓ Ex Stock
- 🔧 UK Assembly
- ☎ Please Call Sales Office

## ACCESSORIES

REED SWITCH	SWITCH MOUNTING BRACKET	BANJO FLOW CONTROL	BANJO RING FITTING	STRAIGHT FITTING	ELBOW FITTING
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Part Number	Availability	Bore	Port Size
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### Single-Acting

QP1A012A*	☉	12	M5
QP1A016A*	☉	16	M5
QP1A020A*	☉	20	M5
QP1A025A*	☉	25	M5
QP1A032A*	☉	32	1/8
QP1A040A*	☉	40	1/8
QP1A050A*	☉	50	1/4
QP1A063A*	☉	63	1/4
QP1A080A*	☉	80	3/8
QP1A100A*	☉	100	3/8

### Double-Acting

QP2A012A*	☉	12	M5
QP2A016A*	☉	16	M5
QP2A020A*	☉	20	M5
QP2A025A*	☉	25	M5
QP2A032A*	☉	32	1/8
QP2A040A*	☉	40	1/8
QP2A050A*	☉	50	1/4
QP2A063A*	☉	63	1/4
QP2A080A*	☉	80	3/8
QP2A100A*	☉	100	3/8

### Double-Acting, Non-Rotating

QPR2A012A*	☉	12	M5
QPR2A016A*	☉	16	M5
QPR2A020A*	☉	20	M5
QPR2A025A*	☉	25	M5
QPR2A032A*	☉	32	1/8
QPR2A040A*	☉	40	1/8
QPR2A050A*	☉	50	1/4
QPR2A063A*	☉	63	1/4
QPR2A080A*	☉	80	3/8
QPR2A100A*	☉	100	3/8

CSV-220	Direct Mount	SCU 602-M5	6610 4-M6	6512 4-M5	6522 4-M5
CSV-220	Direct Mount	SCU 602-M5	6610 4-M6	6512 4-M5	6522 4-M5
SKR2C01200	SZR12	SCU 602-M5	6610 4-M6	6512 4-M5	6522 4-M5
SKR2C01200	SZR12	SCU 602-M5	6610 4-M6	6512 4-M5	6522 4-M5
SKR2C01200	SZR12	SCU 604-1/8	6610 6-1/8	S6510 6-1/8	S6520 6-1/8
SKR2C01200	SZR12	SCU 604-1/8	6610 6-1/8	S6510 6-1/8	S6520 6-1/8
SKR2C01200	SZR12	SCU 604-1/4	6610 8-1/4	S6510 8-1/4	S6520 8-1/4
SKR2C01200	SZR12	SCU 604-1/4	6610 8-1/4	S6510 8-1/4	S6520 8-1/4
SKR2C01200	SZR12	SCU 608-3/8	6610 8-3/8	S6510 8-3/8	S6520 8-3/8
SKR2C01200	SZR12	SCU 608-3/8	6610 8-3/8	S6510 8-3/8	S6520 8-3/8

CSV-220	Direct Mount	SCU 602-M5	6610 4-M6	6512 4-M5	6522 4-M5
CSV-220	Direct Mount	SCU 602-M5	6610 4-M6	6512 4-M5	6522 4-M5
SKR2C01200	SZR12	SCU 602-M5	6610 4-M6	6512 4-M5	6522 4-M5
SKR2C01200	SZR12	SCU 602-M5	6610 4-M6	6512 4-M5	6522 4-M5
SKR2C01200	SZR12	SCU 604-1/8	6610 6-1/8	S6510 6-1/8	S6520 6-1/8
SKR2C01200	SZR12	SCU 604-1/8	6610 6-1/8	S6510 6-1/8	S6520 6-1/8
SKR2C01200	SZR12	SCU 604-1/4	6610 8-1/4	S6510 8-1/4	S6520 8-1/4
SKR2C01200	SZR12	SCU 604-1/4	6610 8-1/4	S6510 8-1/4	S6520 8-1/4
SKR2C01200	SZR12	SCU 608-3/8	6610 8-3/8	S6510 8-3/8	S6520 8-3/8
SKR2C01200	SZR12	SCU 608-3/8	6610 8-3/8	S6510 8-3/8	S6520 8-3/8

CSV-220	Direct Mount	SCU 602-M5	6610 4-M6	6512 4-M5	6522 4-M5
CSV-220	Direct Mount	SCU 602-M5	6610 4-M6	6512 4-M5	6522 4-M5
SKR2C01200	SZR12	SCU 602-M5	6610 4-M6	6512 4-M5	6522 4-M5
SKR2C01200	SZR12	SCU 602-M5	6610 4-M6	6512 4-M5	6522 4-M5
SKR2C01200	SZR12	SCU 604-1/8	6610 6-1/8	S6510 6-1/8	S6520 6-1/8
SKR2C01200	SZR12	SCU 604-1/8	6610 6-1/8	S6510 6-1/8	S6520 6-1/8
SKR2C01200	SZR12	SCU 604-1/4	6610 8-1/4	S6510 8-1/4	S6520 8-1/4
SKR2C01200	SZR12	SCU 604-1/4	6610 8-1/4	S6510 8-1/4	S6520 8-1/4
SKR2C01200	SZR12	SCU 608-3/8	6610 8-3/8	S6510 8-3/8	S6520 8-3/8
SKR2C01200	SZR12	SCU 608-3/8	6610 8-3/8	S6510 8-3/8	S6520 8-3/8

\*Insert stroke length to complete part number

**STANDARD STROKE FOR COMPACT MAGNETIC CYLINDERS**

■ Double-acting - QP2A   ✕ Single-acting - QP1A   ● Non-rotating - QPR2A

	ø12	ø16	ø20	ø25	ø32	ø40	ø50	ø63	ø80	ø100
Standard Stroke										
5	■ ✕ ●	■ ✕ ●	■ ✕ ●	■ ✕ ●	■ ✕ ●	■ ✕ ●	■ ✕ ●	■ ✕ ●	■ ✕ ●	■ ✕ ●
10	■ ✕ ●	■ ✕ ●	■ ✕ ●	■ ✕ ●	■ ✕ ●	■ ✕ ●	■ ✕ ●	■ ✕ ●	■ ✕ ●	■ ✕ ●
15	■ ✕ ●	■ ✕ ●	■ ✕ ●	■ ✕ ●	■ ✕ ●	■ ✕ ●	■ ✕ ●	■ ✕ ●	■ ✕ ●	■ ✕ ●
20	■ ✕	■ ✕ ●	■ ✕ ●	■ ✕ ●	■ ✕ ●	■ ✕ ●	■ ✕ ●	■ ✕ ●	■ ✕ ●	■ ✕ ●
25	■ ✕ ●	■ ✕ ●	■ ✕ ●	■ ✕ ●	■ ✕ ●	■ ✕ ●	■ ✕ ●	■ ✕ ●	■ ✕ ●	■ ✕ ●
30	■ ●	■ ●	■ ●	■ ●	■ ●	■ ●	■ ●	■ ●	■ ●	■ ●
35	■	■ ●	■ ●	■ ●	■ ●	■ ●	■ ●	■ ●	■ ●	■ ●
40	■	■ ●	■ ●	■ ●	■ ●	■ ●	■ ●	■ ●	■ ●	■ ●
45	■	■ ●	■ ●	■ ●	■ ●	■ ●	■ ●	■ ●	■ ●	■ ●
50		■ ●	■ ●	■ ●	■ ●	■ ●	■ ●	■ ●	■ ●	■ ●
60		■ ●	■ ●	■ ●	■ ●	■ ●	■ ●	■ ●	■ ●	■ ●
75		■ ●	■ ●	■ ●	■ ●	■ ●	■ ●	■ ●	■ ●	■ ●
80		■ ●	■ ●	■ ●	■ ●	■ ●	■ ●	■ ●	■ ●	■ ●
100		■ ●	■ ●	■ ●	■ ●	■ ●	■ ●	■ ●	■ ●	■ ●

NOTE: Foot (model B) and Male Trunnion (model L) brackets available on request. ø32, 40, 50, 63, 80, 100mm

**CODING EXAMPLE**

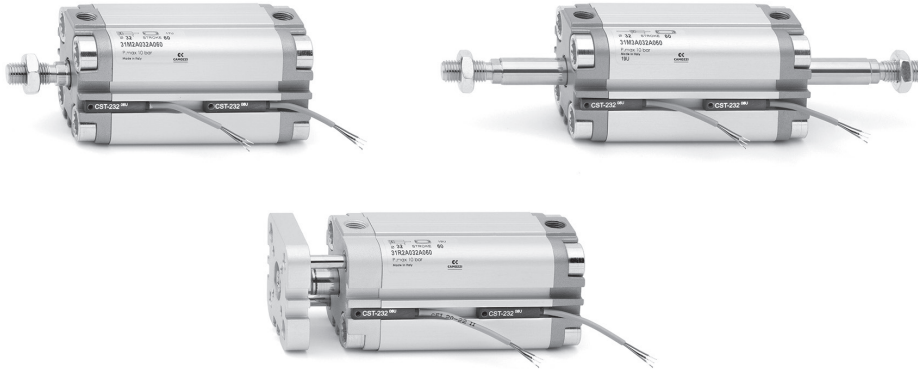
<b>QP</b>	<b>2</b>	<b>A</b>	<b>050</b>	<b>A</b>	<b>050</b>
<b>QP</b> SERIES: QP = standard QPR = standard non-rotating	<b>2</b> OPERATION: 1 = single-acting front spring (only QP) 2 = double-acting 3 = double-acting through-rod	<b>A</b> MATERIALS: A = rolled stainless steel rod - AL tube profile	<b>050</b> BORE: 12, 16, 20, 25, 32, 40, 50, 63, 80, 100mm	<b>A</b> TYPE OF MOUNTING: A = standard	<b>050</b> STROKE: (see table)  = standard V = rod seal FKM W = All FKM seals (ø12 excepted)

# Series 31 Compact Cylinders

Single-acting and Double-acting (31M-31F)  
Double-acting, non-rotating (31R)  
Ø 12, 16, 20, 25 mm,  
Ø 32, 40, 50, 63, 80, 100 mm UNITOP

**SAME DAY**  
CYLINDER SERVICE

Also available in tandem and multi-position versions



### Technical Data

**Operating Pressure**  
1 bar to 10 bar (double-acting)  
2 bar to 10 bar (single-acting)

**Operating Temperature**  
0°C to +80°C.  
(with dry air -20°C)

Full Data Sheet and Dimensions at  
<https://store.camozzi.co.uk>

PNEUMATIC ACTUATION

Double-acting, Single-acting and Non-rotating (through rod and non-standard strokes available on request)

### STANDARD STROKES FOR CYLINDERS SERIES 31

- Double-acting
- \* Single-acting
- Non-rotating

	Ø12	Ø16	Ø20	Ø25	Ø32	Ø40	Ø50	Ø63	Ø80	Ø100
Standard Stroke										
5	■ * ●	■ * ●	■ * ●	■ * ●	■ * ●	■ * ●				
10	■ * ●	■ * ●	■ * ●	■ * ●	■ * ●	■ * ●	■ * ●	■ * ●	■ * ●	■ * ●
15	●	■ * ●	■ * ●	■ * ●	■ * ●	■ * ●	■ * ●	■ * ●	■ * ●	■ * ●
20	●	■ * ●	■ * ●	■ * ●	■ * ●	■ * ●	■ * ●	■ * ●	■ * ●	■ * ●
25	●	■ * ●	■ * ●	■ * ●	■ * ●	■ * ●	■ * ●	■ * ●	■ * ●	■ * ●
30	●	●	■ ●	■ ●	■ ●	■ ●	■ ●	■ ●	■ ●	■ ●
40	●	●	■ ●	■ ●	■ ●	■ ●	■ ●	■ ●	■ ●	■ ●
50			■ ●	■ ●	■ ●	■ ●	■ ●	■ ●	■ ●	■ ●
60							■ ●	■ ●	■ ●	■ ●
80							■ ●	■ ●	■ ●	■ ●

### CODING EXAMPLE

<b>31</b>	<b>M</b>	<b>2</b>	<b>A</b>	<b>032</b>	<b>A</b>	<b>050</b>	<b>-</b>
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<b>31</b>	SERIES: 31	<b>032</b>	BORE: 12, 16, 20, 25, 32, 40, 50, 63, 80, 100mm
<b>M</b>	VERSION: M = male rod thread F = female rod thread R = non-rotation with flange	<b>A</b>	CONSTRUCTION: A = standard
<b>2</b>	OPERATION: 1 = single-acting front spring 2 = double-acting 3 = double-acting through-rod 4 = single-acting rear spring	<b>050</b>	STROKE: (see table)
<b>A</b>	MATERIALS: A = rolled stainless steel rod AISI 303, tube profile aluminium		= standard S = special V = rod seal FKM W = seals in FKM for high temperatures (140°) double-acting, non magnetic

NOTE: Rod nuts and accessories are supplied separately.

**ACCESSORIES**

- ✓ Ex Stock
- 🔧 UK Assembly
- 📞 Please Call Sales Office

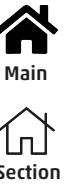


Part Number	Availability	Bore	Port Size
<b>Single-Acting. Male Rod Thread</b>			
31M1A012*	🔧	12	M5
31M1A016*	🔧	16	M5
31M1A020*	🔧	20	M5
31M1A025*	🔧	25	M5
31M1A032*	🔧	32	1/8
31M1A040*	🔧	40	1/8
31M1A050*	🔧	50	1/8
31M1A063*	🔧	63	1/8
31M1A080*	🔧	80	1/8
31M1A100*	🔧	100	1/4
<b>Single-Acting. Female Rod Thread</b>			
31F1A012*	🔧	12	M5
31F1A016*	🔧	16	M5
31F1A020*	🔧	20	M5
31F1A025*	🔧	25	M5
31F1A032*	🔧	32	1/8
31F1A040*	🔧	40	1/8
31F1A050*	🔧	50	1/8
31F1A063*	🔧	63	1/8
31F1A080*	🔧	80	1/8
31F1A100*	🔧	100	1/4
<b>Double-Acting. Male Rod Thread</b>			
31M2A012*	🔧	12	M5
31M2A016*	🔧	16	M5
31M2A020*	🔧	20	M5
31M2A025*	🔧	25	M5
31M2A032*	🔧	32	1/8
31M2A040*	🔧	40	1/8
31M2A050*	🔧	50	1/8
31M2A063*	🔧	63	1/8
31M2A080*	🔧	80	1/8
31M2A100*	🔧	100	1/4
<b>Double-Acting. Female Rod Thread</b>			
31F2A012*	🔧	12	M5
31F2A016*	🔧	16	M5
31F2A020*	🔧	20	M5
31F2A025*	🔧	25	M5
31F2A032*	🔧	32	1/8
31F2A040*	🔧	40	1/8
31F2A050*	🔧	50	1/8
31F2A063*	🔧	63	1/8
31F2A080*	🔧	80	1/8
31F2A100*	🔧	100	1/4
<b>Double-Acting. Non-Rotating</b>			
31R2A012*	🔧	12	M5
31R2A016*	🔧	16	M5
31R2A020*	🔧	20	M5
31R2A025*	🔧	25	M5
31R2A032*	🔧	32	1/8
31R2A040*	🔧	40	1/8
31R2A050*	🔧	50	1/8
31R2A063*	🔧	63	1/8
31R2A080*	🔧	80	1/8
31R2A100*	🔧	100	1/4

SKR2C01200	Direct Mount	SCU 602-M5	6610 4-M6	6512 4-M5	6522 4-M5
SKR2C01200	Direct Mount	SCU 602-M5	6610 4-M6	6512 4-M5	6522 4-M5
SKR2C01200	Direct Mount	SCU 602-M5	6610 4-M6	6512 4-M5	6522 4-M5
SKR2C01200	Direct Mount	SCU 602-M5	6610 4-M6	6512 4-M5	6522 4-M5
SKR2C01200	Direct Mount	SCU 602-M5	6610 4-M6	6512 4-M5	6522 4-M5
SKR2C01200	Direct Mount	SCU 604-1/8	6610 6-1/8	S6510 6-1/8	S6520 6-1/8
SKR2C01200	Direct Mount	SCU 604-1/8	6610 6-1/8	S6510 6-1/8	S6520 6-1/8
SKR2C01200	Direct Mount	SCU 604-1/8	6610 6-1/8	S6510 6-1/8	S6520 6-1/8
SKR2C01200	Direct Mount	SCU 604-1/8	6610 6-1/8	S6510 6-1/8	S6520 6-1/8
SKR2C01200	Direct Mount	SCU 604-1/8	6610 6-1/8	S6510 6-1/8	S6520 6-1/8
SKR2C01200	Direct Mount	SCU 604-1/8	6610 8-1/8	S6510 8-1/8	S6520 8-1/8
SKR2C01200	Direct Mount	SCU 604-1/4	6610 8-1/4	S6510 8-1/4	S6520 8-1/4
SKR2C01200	Direct Mount	SCU 602-M5	6610 4-M6	6512 4-M5	6522 4-M5
SKR2C01200	Direct Mount	SCU 602-M5	6610 4-M6	6512 4-M5	6522 4-M5
SKR2C01200	Direct Mount	SCU 602-M5	6610 4-M6	6512 4-M5	6522 4-M5
SKR2C01200	Direct Mount	SCU 602-M5	6610 4-M6	6512 4-M5	6522 4-M5
SKR2C01200	Direct Mount	SCU 604-1/8	6610 6-1/8	S6510 6-1/8	S6520 6-1/8
SKR2C01200	Direct Mount	SCU 604-1/8	6610 6-1/8	S6510 6-1/8	S6520 6-1/8
SKR2C01200	Direct Mount	SCU 604-1/8	6610 6-1/8	S6510 6-1/8	S6520 6-1/8
SKR2C01200	Direct Mount	SCU 604-1/8	6610 6-1/8	S6510 6-1/8	S6520 6-1/8
SKR2C01200	Direct Mount	SCU 604-1/8	6610 8-1/8	S6510 8-1/8	S6520 8-1/8
SKR2C01200	Direct Mount	SCU 604-1/4	6610 8-1/4	S6510 8-1/4	S6520 8-1/4
SKR2C01200	Direct Mount	SCU 602-M5	6610 4-M6	6512 4-M5	6522 4-M5
SKR2C01200	Direct Mount	SCU 602-M5	6610 4-M6	6512 4-M5	6522 4-M5
SKR2C01200	Direct Mount	SCU 602-M5	6610 4-M6	6512 4-M5	6522 4-M5
SKR2C01200	Direct Mount	SCU 602-M5	6610 4-M6	6512 4-M5	6522 4-M5
SKR2C01200	Direct Mount	SCU 604-1/8	6610 6-1/8	S6510 6-1/8	S6520 6-1/8
SKR2C01200	Direct Mount	SCU 604-1/8	6610 6-1/8	S6510 6-1/8	S6520 6-1/8
SKR2C01200	Direct Mount	SCU 604-1/8	6610 6-1/8	S6510 6-1/8	S6520 6-1/8
SKR2C01200	Direct Mount	SCU 604-1/8	6610 6-1/8	S6510 6-1/8	S6520 6-1/8
SKR2C01200	Direct Mount	SCU 604-1/8	6610 8-1/8	S6510 8-1/8	S6520 8-1/8
SKR2C01200	Direct Mount	SCU 604-1/4	6610 8-1/4	S6510 8-1/4	S6520 8-1/4
SKR2C01200	Direct Mount	SCU 602-M5	6610 4-M6	6512 4-M5	6522 4-M5
SKR2C01200	Direct Mount	SCU 602-M5	6610 4-M6	6512 4-M5	6522 4-M5
SKR2C01200	Direct Mount	SCU 602-M5	6610 4-M6	6512 4-M5	6522 4-M5
SKR2C01200	Direct Mount	SCU 602-M5	6610 4-M6	6512 4-M5	6522 4-M5
SKR2C01200	Direct Mount	SCU 604-1/8	6610 6-1/8	S6510 6-1/8	S6520 6-1/8
SKR2C01200	Direct Mount	SCU 604-1/8	6610 6-1/8	S6510 6-1/8	S6520 6-1/8
SKR2C01200	Direct Mount	SCU 604-1/8	6610 6-1/8	S6510 6-1/8	S6520 6-1/8
SKR2C01200	Direct Mount	SCU 604-1/8	6610 6-1/8	S6510 6-1/8	S6520 6-1/8
SKR2C01200	Direct Mount	SCU 604-1/8	6610 8-1/8	S6510 8-1/8	S6520 8-1/8
SKR2C01200	Direct Mount	SCU 604-1/4	6610 8-1/4	S6510 8-1/4	S6520 8-1/4

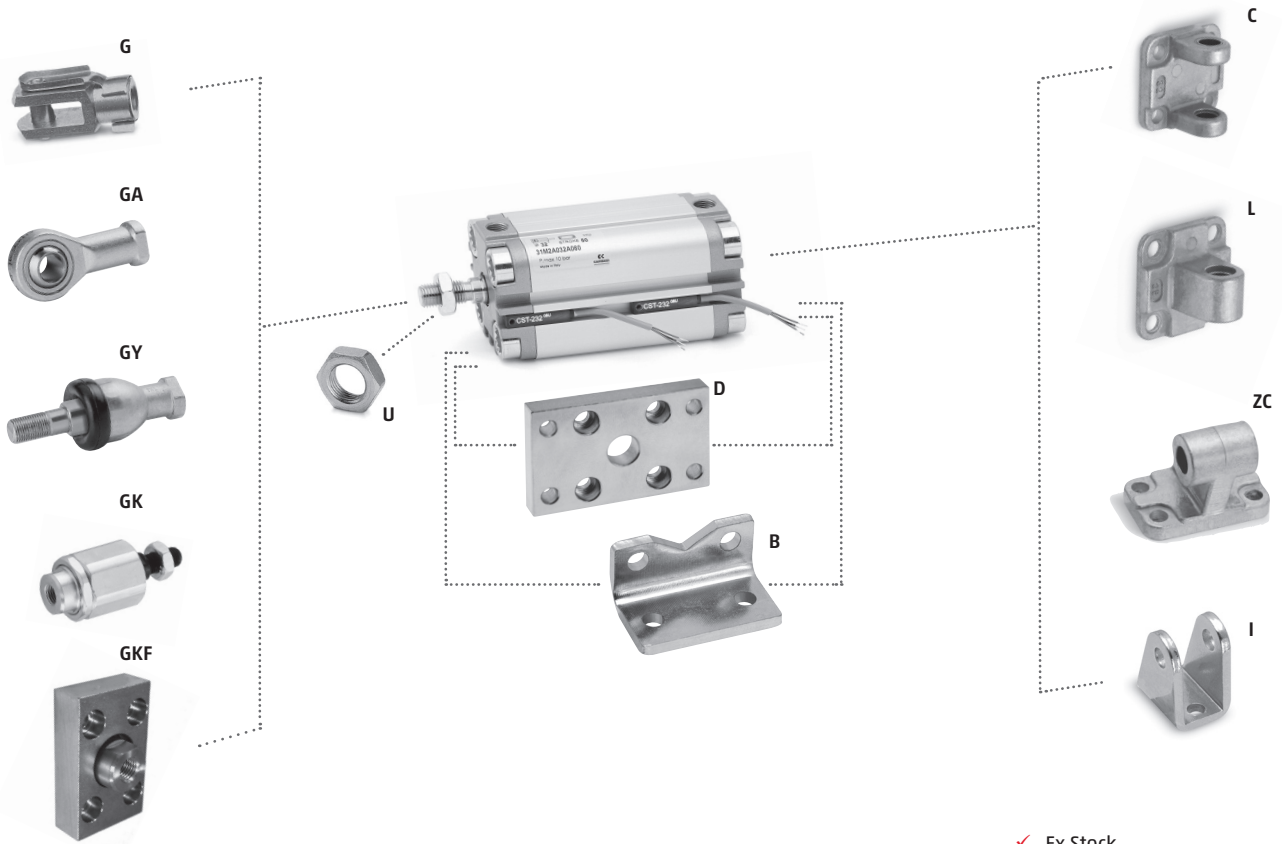
\*Insert stroke length to complete part number

PNEUMATIC ACTUATION



Series 31 Accessories

PNEUMATIC ACTUATION



- ✓ Ex Stock
- 🔧 UK Assembly
- 📞 Please Call Sales Office

Foot Mounts (pair) <b>B</b>		Front and Rear Flange <b>D</b>		Rear Trunnion, Female <b>C</b>		Rear Trunnion, Male <b>L</b>	
∅		∅		∅		∅	
B-31-12-16	12-16 ✓	D-E-31-12-16	12-16 ✓	C-31-32	32 ✓	L-31-12-16	12 ✓
B-31-20	20 ✓	D-E-31-20	20 ✓	C-31-40	40 ✓	L-31-12-16	16 ✓
B-31-25	25 ✓	D-E-31-25	25 ✓	C-31-50	50 ✓	L-31-20	20 ✓
B-31-32	32 ✓	D-E-31-32	32 ✓	C-31-63	63 ✓	L-31-25	25 ✓
B-31-40	40 ✓	D-E-31-40	40 ✓	C-31-80	80 ✓		
B-31-50	50 ✓	D-E-31-50	50 ✓	C-31-100	100 ✓		
B-31-63	63 ✓	D-E-31-63	63 ✓				
B-31-80	80 ✓	D-E-31-80	80 ✓				
B-31-100	100 ✓	D-E-31-100	100 ✓				
				Note: Pin Included			
90° Swivel Trunnion <b>ZC</b>		90° Swivel Combination for <b>I</b>		Rod Fork End <b>G</b>		Swivel Ball Joint <b>GA</b>	
∅		∅		∅		∅	
ZC-32	32 ✓	I-12-16	12 ✓	G-12-16	12 ✓	GA-12-16	12 ✓
ZC-40	40 ✓	I-12-16	16 ✓	G-20	16 ✓	GA-20	16 ✓
ZC-50	50 ✓	I-20-25	20 ✓	G-25-32	20-40 ✓	GA-32	20-40 ✓
ZC-63	63 ✓	I-20-25	25 ✓	G-40	50-63 ✓	GA-40	50-63 ✓
ZC-80	80 ✓			G-50-63	80 ✓	GA-50-63	80 ✓
ZC-100	100 ✓			G-80-100	100 ✓	GA-80-100	100 ✓
Piston Rod Socket Joint <b>GY</b>		Self Aligning Rod <b>GK</b>		Coupling Piece <b>GKF</b>		Piston Rod Lock Nut <b>U</b>	
∅		∅		∅		∅	
GY-12-16	12 ✓	GK-20	16 ✓	GKF-20	16 ✓	U-12-16	12 ✓
GY-20	16 ✓	GK-25-32	20-25-32-40 ✓	GKF-25-32	20-25-32-40 ✓	U-20	16 ✓
GY-32	20-40 ✓	GK-40	50-63 ✓	GKF-40	50-63 ✓	U-25-32	20-40 ✓
GY-40	50-63 ✓	GK-50-63	80 ✓	GKF-50-63	80 ✓	U-40	50-63 ✓
GY-50-63	80 ✓	GK-80-100	100 ✓	GKF-80-100	100 ✓	U-50-63	80 ✓
GY-80-100	100 ✓					U-80-100	100 ✓

# Series ST Stopper Cylinders

Single and double-acting, magnetic, non-rotating  
 Sizes 20, 32, 40, 50 mm



**Technical Data**  
**Operating Pressure**  
 1 bar to 10 bar (double-acting)  
 2 bar to 10 bar (single-acting)  
**Operating Temperature**  
 0°C to +80°C.  
 (with dry air -20°C)  
 Full Data Sheet and Dimensions at  
<https://store.camozzi.co.uk>

PNEUMATIC ACTUATION

## STANDARD STROKES FOR CYLINDERS SERIES ST

\* Single-acting and Double-acting

	ST31			ST32			
	ø20	ø32	ø50	ø20	ø32	ø40	ø50
Standard Stroke							
10				*			
15	*			*	*		
20		*			*	*	*
25					*	*	*
30			*			*	*



## CODING EXAMPLE

<b>ST</b>	<b>31</b>	<b>2</b>	<b>A</b>	<b>050</b>	<b>A</b>	<b>030</b>
-----------	-----------	----------	----------	------------	----------	------------

<b>ST</b>	SERIES: ST	<b>050</b>	BORE: 20, 32, 40 (ST32 only), 50mm
<b>31</b>	VERSION: 31 = UNITOP 32 = ISO 21287	<b>A</b>	CONSTRUCTION: A = standard R = with roller (for non-rotating version only) F = with female thread (ST32 only)
<b>2</b>	OPERATION: 2 = double-acting 4 = single-acting rear spring 9 = double-acting rear spring	<b>030</b>	STROKE: (see table)
<b>A</b>	DESIGN: A = standard R = non-rotating (ST32 only)		VERSION: = standard (___) = extended piston rod ___ mm

**NOTE:** Rod nuts and accessories are supplied separately.



Main









Section

- ✓ Ex Stock
- 🔧 UK Assembly
- 📞 Please Call Sales Office

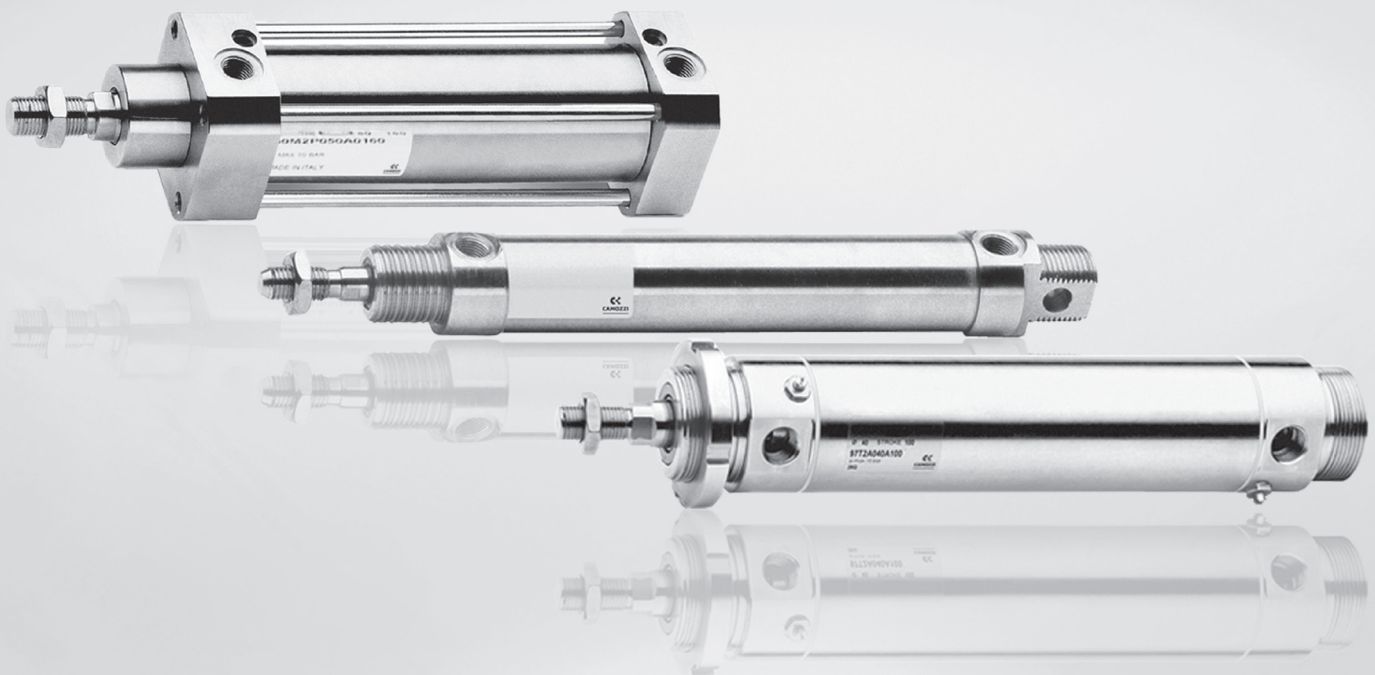
Part Number	Availability	Bore	Port Size
UNITOP. Double-Acting. Standard			
<b>ST312A020A*</b>	Ⓞ	20	1/8
<b>ST312A032A*</b>	Ⓞ	32	1/8
<b>ST312A050A*</b>	Ⓞ	50	1/8
UNITOP. Single-Acting. Rear Spring. Standard			
<b>ST314A020A*</b>	Ⓞ	20	1/8
<b>ST314A032A*</b>	Ⓞ	32	1/8
<b>ST314A050A*</b>	Ⓞ	50	1/8
UNITOP. Double-Acting. Rear Spring. Standard			
<b>ST319A020A*</b>	Ⓞ	20	1/8
<b>ST319A032A*</b>	Ⓞ	32	1/8
<b>ST319A050A*</b>	Ⓞ	50	1/8
ISO 21278. Double-Acting. Standard			
<b>ST322A020A*</b>	Ⓞ	20	M5
<b>ST322A032A*</b>	Ⓞ	32	1/8
<b>ST322A040A*</b>	Ⓞ	40	1/8
<b>ST322A050A*</b>	Ⓞ	50	1/8
ISO 21278. Double-Acting. Non-Rotating			
<b>ST322R020A*</b>	Ⓞ	20	M5
<b>ST322R032A*</b>	Ⓞ	32	1/8
<b>ST322R040A*</b>	Ⓞ	40	1/8
<b>ST322R050A*</b>	Ⓞ	50	1/8
ISO 21278. Single-Acting. Rear Spring. Standard			
<b>ST324A020A*</b>	Ⓞ	20	M5
<b>ST324A032A*</b>	Ⓞ	32	1/8
<b>ST324A040A*</b>	Ⓞ	40	1/8
<b>ST324A050A*</b>	Ⓞ	50	1/8
ISO 21278. Single-Acting. Rear Spring. Non-Rotating			
<b>ST324R020A*</b>	Ⓞ	20	M5
<b>ST324R032A*</b>	Ⓞ	32	1/8
<b>ST324R040A*</b>	Ⓞ	40	1/8
<b>ST324R050A*</b>	Ⓞ	50	1/8
ISO 21278. Double-Acting. Rear Spring. Standard			
<b>ST329A020A*</b>	Ⓞ	20	M5
<b>ST329A032A*</b>	Ⓞ	32	1/8
<b>ST329A040A*</b>	Ⓞ	40	1/8
<b>ST329A050A*</b>	Ⓞ	50	1/8
ISO 21278. Double-Acting. Rear Spring. Non-Rotating			
<b>ST329R020A*</b>	Ⓞ	20	M5
<b>ST329R032A*</b>	Ⓞ	32	1/8
<b>ST329R040A*</b>	Ⓞ	40	1/8
<b>ST329R050A*</b>	Ⓞ	50	1/8

**ACCESSORIES**

REED SWITCH	SWITCH MOUNTING BRACKET	BANJO FLOW CONTROL	BANJO RING FITTING	STRAIGHT CONNECTION	ELBOW FITTING
					
<b>SKR2C01200</b>	Direct Mount	SCU 604-1/8	6610 4-1/8	S6510 4-1/8	S6520 4-1/8
<b>SKR2C01200</b>	Direct Mount	SCU 604-1/8	6610 4-1/8	S6510 4-1/8	S6520 4-1/8
<b>SKR2C01200</b>	Direct Mount	SCU 604-1/8	6610 4-1/8	S6510 4-1/8	S6520 4-1/8
<b>SKR2C01200</b>	Direct Mount	SCU 604-1/8	6610 4-1/8	S6510 4-1/8	S6520 4-1/8
<b>SKR2C01200</b>	Direct Mount	SCU 604-1/8	6610 4-1/8	S6510 4-1/8	S6520 4-1/8
<b>SKR2C01200</b>	Direct Mount	SCU 604-1/8	6610 4-1/8	S6510 4-1/8	S6520 4-1/8
<b>SKR2C01200</b>	Direct Mount	SCU 604-1/8	6610 4-1/8	S6510 4-1/8	S6520 4-1/8
<b>SKR2C01200</b>	Direct Mount	SCU 604-1/8	6610 4-1/8	S6510 4-1/8	S6520 4-1/8
<b>SKR2C01200</b>	Direct Mount	SCU 604-1/8	6610 4-1/8	S6510 4-1/8	S6520 4-1/8
<b>SKR2C01200</b>	Direct Mount	SCU 604-1/8	6610 4-1/8	S6510 4-1/8	S6520 4-1/8
<b>SKR2C01200</b>	Direct Mount	SCU 604-1/8	6610 4-1/8	S6510 4-1/8	S6520 4-1/8
<b>SKR2C01200</b>	Direct Mount	SCU 604-1/8	6610 4-1/8	S6510 4-1/8	S6520 4-1/8
<b>SKR2C01200</b>	Direct Mount	SCU 604-1/8	6610 4-1/8	S6510 4-1/8	S6520 4-1/8
<b>SKR2C01200</b>	Direct Mount	SCU 604-1/8	6610 4-1/8	S6510 4-1/8	S6520 4-1/8
<b>SKR2C01200</b>	Direct Mount	SCU 604-1/8	6610 4-1/8	S6510 4-1/8	S6520 4-1/8
<b>SKR2C01200</b>	Direct Mount	SCU 604-1/8	6610 4-1/8	S6510 4-1/8	S6520 4-1/8
<b>SKR2C01200</b>	Direct Mount	SCU 604-1/8	6610 4-1/8	S6510 4-1/8	S6520 4-1/8
<b>SKR2C01200</b>	Direct Mount	SCU 604-1/8	6610 4-1/8	S6510 4-1/8	S6520 4-1/8
<b>SKR2C01200</b>	Direct Mount	SCU 604-1/8	6610 4-1/8	S6510 4-1/8	S6520 4-1/8
<b>SKR2C01200</b>	Direct Mount	SCU 604-1/8	6610 4-1/8	S6510 4-1/8	S6520 4-1/8
<b>SKR2C01200</b>	Direct Mount	SCU 604-1/8	6610 4-1/8	S6510 4-1/8	S6520 4-1/8
<b>SKR2C01200</b>	Direct Mount	SCU 604-1/8	6610 4-1/8	S6510 4-1/8	S6520 4-1/8
<b>SKR2C01200</b>	Direct Mount	SCU 604-1/8	6610 4-1/8	S6510 4-1/8	S6520 4-1/8
<b>SKR2C01200</b>	Direct Mount	SCU 604-1/8	6610 4-1/8	S6510 4-1/8	S6520 4-1/8
<b>SKR2C01200</b>	Direct Mount	SCU 604-1/8	6610 4-1/8	S6510 4-1/8	S6520 4-1/8
<b>SKR2C01200</b>	Direct Mount	SCU 604-1/8	6610 4-1/8	S6510 4-1/8	S6520 4-1/8
<b>SKR2C01200</b>	Direct Mount	SCU 604-1/8	6610 4-1/8	S6510 4-1/8	S6520 4-1/8
<b>SKR2C01200</b>	Direct Mount	SCU 604-1/8	6610 4-1/8	S6510 4-1/8	S6520 4-1/8
<b>SKR2C01200</b>	Direct Mount	SCU 604-1/8	6610 4-1/8	S6510 4-1/8	S6520 4-1/8
<b>SKR2C01200</b>	Direct Mount	SCU 604-1/8	6610 4-1/8	S6510 4-1/8	S6520 4-1/8
<b>SKR2C01200</b>	Direct Mount	SCU 604-1/8	6610 4-1/8	S6510 4-1/8	S6520 4-1/8
<b>SKR2C01200</b>	Direct Mount	SCU 604-1/8	6610 4-1/8	S6510 4-1/8	S6520 4-1/8
<b>SKR2C01200</b>	Direct Mount	SCU 604-1/8	6610 4-1/8	S6510 4-1/8	S6520 4-1/8
<b>SKR2C01200</b>	Direct Mount	SCU 604-1/8	6610 4-1/8	S6510 4-1/8	S6520 4-1/8
<b>SKR2C01200</b>	Direct Mount	SCU 604-1/8	6610 4-1/8	S6510 4-1/8	S6520 4-1/8
<b>SKR2C01200</b>	Direct Mount	SCU 604-1/8	6610 4-1/8	S6510 4-1/8	S6520 4-1/8
<b>SKR2C01200</b>	Direct Mount	SCU 604-1/8	6610 4-1/8	S6510 4-1/8	S6520 4-1/8
<b>SKR2C01200</b>	Direct Mount	SCU 604-1/8	6610 4-1/8	S6510 4-1/8	S6520 4-1/8
<b>SKR2C01200</b>	Direct Mount	SCU 604-1/8	6610 4-1/8	S6510 4-1/8	S6520 4-1/8
<b>SKR2C01200</b>	Direct Mount	SCU 604-1/8	6610 4-1/8	S6510 4-1/8	S6520 4-1/8
<b>SKR2C01200</b>	Direct Mount	SCU 604-1/8	6610 4-1/8	S6510 4-1/8	S6520 4-1/8
<b>SKR2C01200</b>	Direct Mount	SCU 604-1/8	6610 4-1/8	S6510 4-1/8	S6520 4-1/8



## STAINLESS STEEL CYLINDERS



### Protect Against Corrosion

Camozzi Stainless Steel pneumatic cylinders are ideal for applications where a high level of corrosion resistance is required.

Each cylinder benefits from a clean design and constructed using either 304 or 316 AISI Stainless Steel.

**Series 90 – ISO 15552 (previously DIN/ ISO 6431/ VDMA 24562)**

**Series 94/95 – DIN/ ISO 6432**

**Series 97 – with adjustable end stroke cushioning**

**Full range of Stainless Steel mounting brackets also available**

# Series QCT and QCB Cylinders with Integrated Guide

Double-acting, magnetic piston, guided  
Ø 20, 25, 32, 40, 50, 63 mm

The Camozzi QC compact cylinders are designed to be used in applications where space is limited and when the load must be guided to prevent rotation.



**Technical Data**

**Operating Pressure**  
Min 1 bar to max 10 bar  
**Operating Temperature**  
0°C to +80°C.  
(with dry air -20°C)

Full Data Sheet and Dimensions at  
<https://store.camozzi.co.uk>

Double-acting QCT Type

PNEUMATIC ACTUATION



- ✓ Ex Stock
- ✎ UK Assembly
- 📞 Please Call Sales Office

**ACCESSORIES**

REED SWITCH	SWITCH MOUNTING BRACKET	BANJO FLOW CONTROL	BANJO RING FITTING	STRAIGHT CONNECTION	ELBOW FITTING

Part Number	Availability	Bore	Port Size
<b>Double-Acting. Sintered Bronze Bushes</b>			
QCT2A020A*	☉	20	1/8
QCT2A025A*	☉	25	1/8
QCT2A032A*	☉	32	1/8
QCT2A040A*	☉	40	1/8
QCT2A050A*	☉	50	1/4
QCT2A063A*	☉	63	1/4
<b>Double-Acting. Linear Ball Bearings</b>			
QCB2A020A*	☉	20	1/8
QCB2A025A*	☉	25	1/8
QCB2A032A*	☉	32	1/8
QCB2A040A*	☉	40	1/8
QCB2A050A*	☉	50	1/4
QCB2A063A*	☉	63	1/4

CST-220	Direct Mount	SCU 604-1/8	6610 6-1/8	S6510 6-1/8	S6520 6-1/8
CST-220	Direct Mount	SCU 604-1/8	6610 6-1/8	S6510 6-1/8	S6520 6-1/8
CST-220	Direct Mount	SCU 604-1/8	6610 6-1/8	S6510 6-1/8	S6520 6-1/8
CST-220	Direct Mount	SCU 604-1/8	6610 6-1/8	S6510 6-1/8	S6520 6-1/8
CST-220	Direct Mount	SCU 606-1/4	6610 6-1/4	S6510 6-1/4	S6520 6-1/4
CST-220	Direct Mount	SCU 606-1/4	6610 6-1/4	S6510 6-1/4	S6520 6-1/4
CST-220	Direct Mount	SCU 604-1/8	6610 6-1/8	S6510 6-1/8	S6520 6-1/8
CST-220	Direct Mount	SCU 604-1/8	6610 6-1/8	S6510 6-1/8	S6520 6-1/8
CST-220	Direct Mount	SCU 604-1/8	6610 6-1/8	S6510 6-1/8	S6520 6-1/8
CST-220	Direct Mount	SCU 604-1/8	6610 6-1/8	S6510 6-1/8	S6520 6-1/8
CST-220	Direct Mount	SCU 606-1/4	6610 6-1/4	S6510 6-1/4	S6520 6-1/4
CST-220	Direct Mount	SCU 606-1/4	6610 6-1/4	S6510 6-1/4	S6520 6-1/4

\*Insert stroke length to complete part number

**STANDARD STROKES FOR CYLINDERS SERIES QC**

- Double-acting

	Ø20	Ø25	Ø32	Ø40	Ø50	Ø63
Standard Stroke						
20	■	■				
25						
30	■	■				
40	■	■				
50	■	■	■	■	■	■
75	■	■	■	■	■	■
100	■	■	■	■	■	■
125	■	■	■	■	■	■
150	■	■	■	■	■	■
175	■	■	■	■	■	■
200	■	■	■	■	■	■

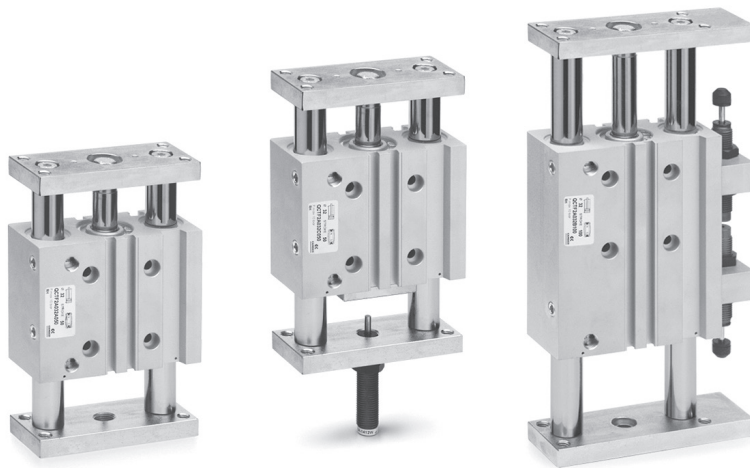
**Note:** Non standard models available only on request.

**CODING EXAMPLE**

<b>QC</b>	<b>T</b>	<b>2</b>	<b>A</b>	<b>020</b>	<b>A</b>	<b>050</b>	<b>-</b>
<b>QC</b>	SERIES: QC			<b>020</b>	BORE: 20, 25, 32, 40, 50, 63mm		
<b>T</b>	VERSION: T = sintered bronze bushes B = linear ball bearings			<b>A</b>	TYPE OF DESIGN: A = standard		
<b>2</b>	OPERATION: 2 = double-acting			<b>050</b>	STROKE: (see table)* * Non standard models available only on request.		
<b>A</b>	MATERIALS: A = anodised aluminium body, stainless steel piston rod, stainless steel QCT columns, hardened steel QCB columns			<b>-</b>	SPECIAL: to be specified		

# Series QCTF - QCBF Slide Units

Double-acting, magnetic piston, with double bearing and flanges  
 Ø 20, 25, 32, 40 mm



Part Number: QCTF2A...A...  
 Part Number: QCBF2A...A...

Part Number: QCTF2A...C...  
 Part Number: QCBF2A...C...

Part Number: QCTF2A...B...  
 Part Number: QCBF2A...B...

**Technical Data**  
**Operating Pressure**  
 Min 1 bar to max 10 bar  
**Operating Temperature**  
 0°C to +80°C.  
 (with dry air -20°C)  
 Full Data Sheet and Dimensions at  
<https://store.camozzi.co.uk>



**ACCESSORIES**

REED SWITCH	SWITCH MOUNTING BRACKET	BANJO FLOW CONTROL	BANJO RING FITTING	STRAIGHT CONNECTION	ELBOW FITTING

- ✓ Ex Stock
- ✂ UK Assembly
- 📞 Please Call Sales Office

Part Number	Availability	Bore	Port Size	CST-220	Direct Mount	SCU 604-1/8	6610 6-1/8	S6510 6-1/8	S6520 6-1/8
<b>Double-Acting. Sintered Bronze Bushes</b>									
QCTF2A020A*	🕒	20	1/8	CST-220	Direct Mount	SCU 604-1/8	6610 6-1/8	S6510 6-1/8	S6520 6-1/8
QCTF2A025A*	🕒	25	1/8	CST-220	Direct Mount	SCU 604-1/8	6610 6-1/8	S6510 6-1/8	S6520 6-1/8
QCTF2A032A*	🕒	32	1/8	CST-220	Direct Mount	SCU 604-1/8	6610 6-1/8	S6510 6-1/8	S6520 6-1/8
QCTF2A040A*	🕒	40	1/8	CST-220	Direct Mount	SCU 604-1/8	6610 6-1/8	S6510 6-1/8	S6520 6-1/8
<b>Double-Acting. Linear Ball Bearings</b>									
QCBF2A020A*	🕒	20	1/8	CST-220	Direct Mount	SCU 604-1/8	6610 6-1/8	S6510 6-1/8	S6520 6-1/8
QCBF2A025A*	🕒	25	1/8	CST-220	Direct Mount	SCU 604-1/8	6610 6-1/8	S6510 6-1/8	S6520 6-1/8
QCBF2A032A*	🕒	32	1/8	CST-220	Direct Mount	SCU 604-1/8	6610 6-1/8	S6510 6-1/8	S6520 6-1/8
QCBF2A040A*	🕒	40	1/8	CST-220	Direct Mount	SCU 604-1/8	6610 6-1/8	S6510 6-1/8	S6520 6-1/8

\*Insert stroke length to complete part number  
 See full catalogue or [catalogue.camozzi.com](http://catalogue.camozzi.com) for all dimensions.  
 For technical advice contact our sales office or your local Camozzi distributor.

**STANDARD STROKE FOR SERIES QCTF AND QCBF**

- Cushioning type A and C
- \* Cushioning type B

	ø20	ø25	ø32	ø40
Standard Stroke				
20	■	■		
25			■	■
30	■	■		
40	■	■		
50	■	■	■	■
75	■*	■*	■	■
100	■*	■*	■*	■*
125	■*	■*	■*	■*
150	■*	■*	■*	■*
175	■*	■*	■*	■*
200	■*	■*	■*	■*

Note: Non standard models available only on request.

**CODING EXAMPLE**

QC	T	F	2	A	020	A	050
<b>QC</b>	SERIES: QC			<b>A</b>	MATERIALS A = anodised aluminium body, stainless steel piston rod, stainless steel columns (QCT), hardened steel columns (QCB)		
<b>T</b>	TYPE OF BEARING T = sintered bronze bushes B = linear ball bearings			<b>020</b>	BORE 20, 25, 32, 40mm		
<b>F</b>	INSTALLATION TYPE F = body mounted with moving flanges			<b>A</b>	CUSHION A = fixed mechanical cushion (standard) B = two shock absorbers located on the body C = one shock absorber located on the rear flange		
<b>2</b>	OPERATION 2 = double acting			<b>050</b>	STROKE (see table)		

PNEUMATIC ACTUATION



# Series QX Twin Rod Cylinders

Double-acting, magnetic, guided  
ø 10x2, 16x2, 20x2, 25x2, 32x2 mm



Technical Data  
**Operating Pressure**  
1 bar to 10 bar  
**Operating Temperature**  
0°C to +80°C.  
(with dry air -20°C)  
 Full Data Sheet and Dimensions at  
<https://store.camozzi.co.uk>

**ACCESSORIES**

- ✓ Ex Stock
- 🔧 UK Assembly
- 📞 Please Call Sales Office

REED SWITCH	SWITCH MOUNTING BRACKET	BANJO FLOW CONTROL	BANJO RING FITTING	STRAIGHT CONNECTION	ELBOW FITTING
-------------	-------------------------	--------------------	--------------------	---------------------	---------------



Part Number	Availability	Bore	Port Size	CSB-D-220	Direct Mount	SCU 602-M5	6610 4-M6	6512 4-M5	6522 4-M5
<b>Double-Acting. Sintered Bronze Bushes</b>									
QXT2A010A*	☉	10	M5	CSB-D-220	Direct Mount	SCU 602-M5	6610 4-M6	6512 4-M5	6522 4-M5
QXT2A016A*	☉	16	M5	CSB-D-220	Direct Mount	SCU 602-M5	6610 4-M6	6512 4-M5	6522 4-M5
QXT2A020A*	☉	20	M5	CSB-D-220	Direct Mount	SCU 602-M5	6610 4-M6	6512 4-M5	6522 4-M5
QXT2A025A*	☉	25	M5	CSB-D-220	Direct Mount	SCU 602-M5	6610 4-M6	6512 4-M5	6522 4-M5
QXT2A032A*	☉	32	1/8	CSB-D-220	Direct Mount	SCU 604-1/8	6610 6-1/8	S6510 6-1/8	S6520 6-1/8
<b>Double-Acting. Linear Ball Bearings</b>									
QXB2A010A*	☉	10	M5	CSB-D-220	Direct Mount	SCU 602-M5	6610 4-M6	6512 4-M5	6522 4-M5
QXB2A016A*	☉	16	M5	CSB-D-220	Direct Mount	SCU 602-M5	6610 4-M6	6512 4-M5	6522 4-M5
QXB2A020A*	☉	20	M5	CSB-D-220	Direct Mount	SCU 602-M5	6610 4-M6	6512 4-M5	6522 4-M5
QXB2A025A*	☉	25	M5	CSB-D-220	Direct Mount	SCU 602-M5	6610 4-M6	6512 4-M5	6522 4-M5
QXB2A032A*	☉	32	1/8	CSB-D-220	Direct Mount	SCU 604-1/8	6610 6-1/8	S6510 6-1/8	S6520 6-1/8

\*Insert stroke length to complete part number

**STANDARD STROKES FOR CYLINDERS SERIES QX**

- Double - acting

	ø10	ø16	ø20	ø25	ø32
Standard Stroke					
10	■	■	■	■	■
20	■	■	■	■	■
30	■	■	■	■	■
40	■	■	■	■	■
50	■	■	■	■	■
75	■	■	■	■	■
100		■	■	■	■

**CODING EXAMPLE**

QX	T	2	A	020	A	050
<b>QX</b>	SERIES: QX			<b>020</b>	BORE 10, 16, 20, 25, 32mm	
<b>T</b>	VERSION T = sintered bronze bushes B = linear ball bearings			<b>A</b>	TYPE OF DESIGN A = standard	
<b>2</b>	OPERATION 2 = double acting (1 flange) radial pressure supply 3 = through-rod (double-flange), radial pressure supply			<b>050</b>	STROKE (see table)	
<b>A</b>	MATERIALS A = anodised aluminium body, rolled stainless steel piston 303 piston rod					



# Series 14 Compact Mini-Cylinders

Single-acting

Ø 6, 10, 16 mm : Stroke 5, 10, 15 mm

with Super-Rapid fitting 4mm and M5 connection.

The Camozzi Series 14 cylinder range has been designed to be installed in very small spaces. The cylinders are designed to be bulkhead mounted either individually or in banks.



**Technical Data**

**Operating Pressure**  
2.5 bar to 8 bar

**Operating Temperature**  
0°C to +80°C.  
(with dry air -20°C)

Full Data Sheet and Dimensions at  
<https://store.camozzi.co.uk>

## STANDARD STROKES FOR MINI-CYLINDERS SERIES 14

\* Single-acting

	Ø6	Ø10	Ø16
Standard Stroke			
5	*	*	*
10	*	*	*
15	*	*	*



Main



Section

### ACCESSORIES

STRAIGHT  
CONNECTION

ELBOW  
FITTING



- ✓ Ex Stock
- 🔧 UK Assembly
- 📞 Please Call Sales Office

Part Number	Availability	Bore	Port Size
Single-Acting. Non Threaded Piston Rod.			
Thread Connection			
14N1M06A*	🕒	6	M5
14N1M10A*	🕒	10	M5
14N1M16A*	🕒	16	M5
Single-Acting. Threaded Piston Rod.			
Thread Connection			
14N1M06B*	🕒	6	M5
14N1M10B*	🕒	10	M5
14N1M16B*	🕒	16	M5

Part Number	Availability	Bore	Port Size
Single-Acting. Non Threaded Piston Rod.			
Super-Rapid Connection			
14N1A06A*	🕒	6	4mm
14N1A10A*	🕒	10	4mm
14N1A16A*	🕒	16	4mm
Single-Acting. Threaded Piston Rod.			
Super-Rapid Connection			
14N1A06B*	🕒	6	4mm
14N1A10B*	🕒	10	4mm
14N1A16B*	🕒	16	4mm

\*Insert stroke length to complete part number

### CODING EXAMPLE

14	N	1	A	06	A	05
<b>14</b>	SERIES: 14			<b>06</b>	BORE 06 = 6mm - 10 = 10mm - 16 = 16mm	
<b>N</b>	VERSION N = non-magnetic			<b>A</b>	TYPE OF DESIGN A = non-threaded piston rod B = threaded piston rod	
<b>1</b>	OPERATION 1 = single-acting			<b>05</b>	STROKE 05 = 5mm - 10 = 10mm - 15 = 15mm	
<b>A</b>	TYPE OF CONNECTION A = TUBE Ø4 M = thread M5					

# Series 27 Roundline Cylinders

Double-acting, Magnetic  
 Ø 20, 25, 32, 40, 50, 63 mm



The Camozzi Series 27 cylinder range has been designed incorporating reduced dimensions and clean lines, suitable for a wide range of industrial applications.



**Technical Data**  
**Operating Pressure**  
 Min 1 bar to Max 10 bar  
**Operating Temperature**  
 0°C to +80°C.  
 (with dry air -20°C)  
 Full Data Sheet and Dimensions at  
<https://store.camozzi.co.uk>

Double-acting only (non-standard strokes available on request)

## ACCESSORIES

- ✓ Ex Stock
- ✎ UK Assembly
- ⊙ Please Call Sales Office

REED SWITCH	SWITCH MOUNTING BRACKET	BANJO FLOW CONTROL	BANJO RING FITTING	STRAIGHT CONNECTION	ELBOW FITTING

Part Number	Availability	Bore	Port Size
<b>Double-Acting. Model M</b>			
27M2A20A*	✎	20	1/8
27M2A25A*	✎	25	1/8
27M2A32A*	✎	32	1/8
27M2A40A*	✎	40	1/8
<b>Double-Acting. Model T</b>			
27T2A20A*	✎	20	1/8
27T2A25A*	✎	25	1/8
27T2A32A*	✎	32	1/8
27T2A40A*	✎	40	1/8
<b>Double-Acting. Model U</b>			
27U2A20A*	✎	20	1/8
27U2A25A*	✎	25	1/8
27U2A32A*	✎	32	1/8
27U2A40A*	✎	40	1/8
27U2A50A*	✎	50	1/4
27U2A63A*	✎	63	1/4

REED SWITCH	SWITCH MOUNTING BRACKET	BANJO FLOW CONTROL	BANJO RING FITTING	STRAIGHT CONNECTION	ELBOW FITTING
SKR2C01200	SF20	SCU 604-1/8	6610 6-1/8	S6510 6-1/8	S6520 6-1/8
SKR2C01200	SF25	SCU 604-1/8	6610 6-1/8	S6510 6-1/8	S6520 6-1/8
SKR2C01200	S-CST-06	SCU 604-1/8	6610 6-1/8	S6510 6-1/8	S6520 6-1/8
SKR2C01200	S-CST-07	SCU 604-1/8	6610 6-1/8	S6510 6-1/8	S6520 6-1/8
SKR2C01200	SF20	SCU 604-1/8	6610 6-1/8	S6510 6-1/8	S6520 6-1/8
SKR2C01200	SF25	SCU 604-1/8	6610 6-1/8	S6510 6-1/8	S6520 6-1/8
SKR2C01200	S-CST-06	SCU 604-1/8	6610 6-1/8	S6510 6-1/8	S6520 6-1/8
SKR2C01200	S-CST-07	SCU 604-1/8	6610 6-1/8	S6510 6-1/8	S6520 6-1/8
SKR2C01200	SF20	SCU 604-1/8	6610 6-1/8	S6510 6-1/8	S6520 6-1/8
SKR2C01200	SF25	SCU 604-1/8	6610 6-1/8	S6510 6-1/8	S6520 6-1/8
SKR2C01200	S-CST-06	SCU 604-1/8	6610 6-1/8	S6510 6-1/8	S6520 6-1/8
SKR2C01200	S-CST-07	SCU 604-1/8	6610 6-1/8	S6510 6-1/8	S6520 6-1/8
SKR2C01200	S-CST-08	SCU 606-1/4	6610 6-1/4	S6510 6-1/4	S6520 6-1/4
SKR2C01200	S-CST-09	SCU 606-1/4	6610 6-1/4	S6510 6-1/4	S6520 6-1/4

\*Insert stroke length to complete part number

## STANDARD STROKES FOR CYLINDERS SERIES 27

■ Double-acting

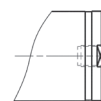
	Ø20	Ø25	Ø32	Ø40	Ø50	Ø63
Standard Stroke						
10	■	■	■	■	■	■
25	■	■	■	■	■	■
40	■	■	■	■	■	■
50	■	■	■	■	■	■
80	■	■	■	■	■	■
100	■	■	■	■	■	■
125	■	■	■	■	■	■
160	■	■	■	■	■	■
200	■	■	■	■	■	■
250	■	■	■	■	■	■
300	■	■	■	■	■	■
320	■	■	■	■	■	■
400	■	■	■	■	■	■
500	■	■	■	■	■	■

Mod. M



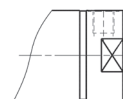
Bore Sizes: 20, 25, 32, 40

Mod. T



Bore Sizes: 20, 25, 32, 40

Mod. U

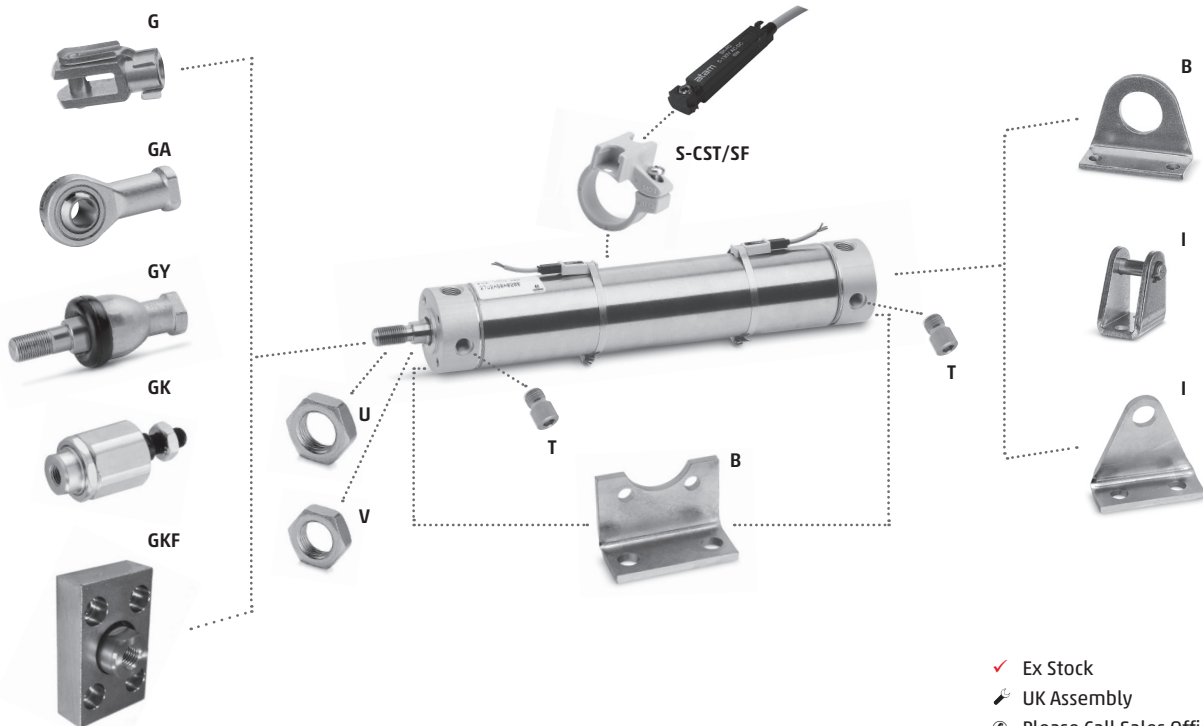


Bore Sizes: 20, 25, 32, 40, 50, 63

**CODING EXAMPLE**

<b>27</b>	<b>M</b>	<b>2</b>	<b>A</b>	<b>20</b>	<b>A</b>	<b>0050</b>	<b>-</b>
<b>27</b>	SERIES: 27			<b>20</b>	BORE: 20, 25, 32, 40, 50, 63mm		
<b>M</b>	VERSION: M = Standard rear end housing, trunnion hole, side port T = End ported rear housing U = Side ported rear housing			<b>A</b>	TYPE OF DESIGN: A = standard		
<b>2</b>	OPERATION: 2 = double-acting			<b>0050</b>	STROKE: (see table)		
<b>A</b>	MATERIALS: A = rolled stainless steel rod-stainless steel tube			<b>-</b>	SPECIAL: to be specified		

**Series 27 Accessories**



- ✓ Ex Stock
- 🔧 UK Assembly
- 📞 Please Call Sales Office

Foot Mounts (single)	B	Foot Mounts (pair)	B	Rear Trunnion Bracket	I	Rear Trunnion Bracket (pair)	I
∅		∅		∅		∅	
B-27-20	20 ✓	B-27-50	50 ✓	I-27-20	20 ✓	I-27-50	50 ✓
B-27-25	25 ✓	B-27-63	63 ✓	I-27-25	25 ✓	I-27-63	63 ✓
B-27-32	32 ✓			I-27-32	32 ✓		
B-27-40	40 ✓			I-27-40	40 ✓		
Rod Fork End	G	Swivel Ball Joint	GA	Piston Rod Socket Joint	GY	Self Aligning Rod	GK
∅		∅		∅		∅	
G-20	20 ✓	GA-20	20 ✓	GY-20	20 ✓	GK-20	16 ✓
G-25-32	25-32 ✓	GA-32	25-32 ✓	GY-32	25-32 ✓	GK-25-32	25-32 ✓
G-40	40-50 ✓	GA-40	40-50 ✓	GY-40	40-50 ✓	GK-40	40-50 ✓
G-50-63	63 ✓	GA-50-63	63 ✓	GY-50-63	63 ✓	GK-50-63	63 ✓
Coupling Piece	GKF	Piston Rod Lock Nut	U	Nose Nut	V	Threaded Trunnion Pin	T
∅		∅		∅		∅	
GKF-20	20 ✓	U-20	20 ✓	V-12-16	20 ✓	T-27-50	50 ✓
GKF-25-32	25-32 ✓	U-25-32	25-32 ✓	V-27-25	25 ✓	T-27-63	63 ✓
GKF-40	40-50 ✓	U-40	40-50 ✓	V-20-25	32 ✓		
GKF-50-63	63 ✓	U-50-63	63 ✓	V-42-32	40 ✓		



# Series 42 Cylinders

Single-acting and double-acting, magnetic  
 Ø 32, 40, 50, 63 mm cushioned



The Camozzi Series 42 cylinders have been designed without tie rods to assure an extremely clean design



**Technical Data**

**Operating Pressure**  
 Min 1 bar to Max 10 bar  
 (double acting)

Min 2 bar to Max 10 bar  
 (single acting)

**Operating Temperature**  
 0°C to +80°C.  
 (with dry air -20°C)

Full Data Sheet and Dimensions at  
<https://store.camozzi.co.uk>

PNEUMATIC ACTUATION

Double-acting and Single-acting (through rod and non-standard strokes available on request)

**ACCESSORIES**

- ✓ Ex Stock
- ✎ UK Assembly
- ☎ Please Call Sales Office

REED SWITCH	SWITCH MOUNTING BRACKET	BANJO FLOW CONTROL	BANJO RING FITTING	STRAIGHT CONNECTION	ELBOW FITTING

Part Number	Availability	Bore	Port Size
<b>Single-Acting. Magnetic</b>			
42M1N032A*	✎	32	1/8
42M1N040A*	✎	40	1/4
42M1N050A*	✎	50	1/4
42M1N063A*	✎	63	3/8
<b>Double-Acting. Magnetic</b>			
42M2N032A*	✎	32	1/8
42M2N040A*	✎	40	1/4
42M2N050A*	✎	50	1/4
42M2N063A*	✎	63	3/8

SKR2C01200	S-CST-06	SCU 604-1/8	6610 4-1/8	S6510 4-1/8	S6520 4-1/8
SKR2C01200	S-CST-07	SCU 606-1/4	6610 6-1/4	S6510 6-1/4	S6520 6-1/4
SKR2C01200	S-CST-08	SCU 606-1/4	6610 6-1/4	S6510 6-1/4	S6520 6-1/4
SKR2C01200	S-CST-08	SCU 608-3/8	6610 8-3/8	S6510 8-3/8	S6520 8-3/8
SKR2C01200	S-CST-06	SCU 604-1/8	6610 4-1/8	S6510 4-1/8	S6520 4-1/8
SKR2C01200	S-CST-07	SCU 606-1/4	6610 6-1/4	S6510 6-1/4	S6520 6-1/4
SKR2C01200	S-CST-08	SCU 606-1/4	6610 6-1/4	S6510 6-1/4	S6520 6-1/4
SKR2C01200	S-CST-08	SCU 608-3/8	6610 8-3/8	S6510 8-3/8	S6520 8-3/8

\*Insert stroke length to complete part number

**STANDARD STROKES FOR CYLINDERS SERIES 42**

- Double-acting
- \* Single-acting

	ø32	ø40	ø50	ø63
<b>Standard Stroke</b>				
25	■ *	■ *	■ *	■ *
50	■ *	■ *	■ *	■ *
75	■ *	■ *	■ *	■ *
80	■	■	■	■
100	■	■	■	■
125	■	■	■	■
150	■	■	■	■
160	■	■	■	■
200	■	■	■	■
250	■	■	■	■
300	■	■	■	■
320	■	■	■	■
400	■	■	■	■
500	■	■	■	■

See full catalogue or [catalogue.camozzi.com](http://catalogue.camozzi.com) for all dimensions.  
 For technical advice contact our sales office or your local Camozzi distributor.

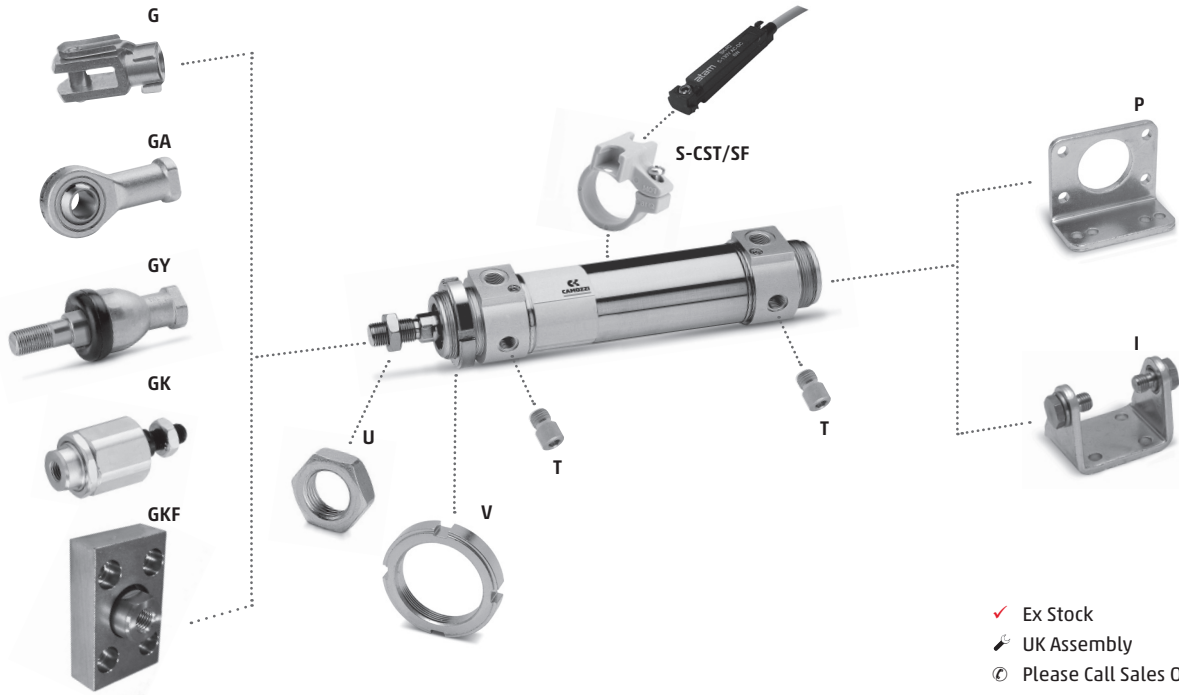


**CODING EXAMPLE**

<b>42</b>	<b>M</b>	<b>2</b>	<b>N</b>	<b>050</b>	<b>A</b>	<b>0200</b>	<b>-</b>
<b>42</b>	SERIES: 42			<b>050</b>	BORE: 32, 40, 50, 63mm		
<b>M</b>	VERSION: M = standard, magnetic			<b>A</b>	TYPE OF DESIGN A = standard (screw with ring V + lock nut for rod U)		
<b>2</b>	OPERATION: 1 = single-acting (front spring) 2 = double-acting (front and rear cushions) 3 = double-acting (no cushion) 4 = double-acting (rear cushions) 5 = double-acting (front cushion) 6 = double-acting (through-rod with front and rear cushions) 7 = single-acting (through-rod)			<b>0200</b>	STROKE: (see table)		
<b>N</b>	MATERIALS: N = Stainless steel AISI 420B rod - stainless steel AISI 304 tube - NBR seals			<b>-</b>	SPECIAL: to be specified		

42M2N = standard version available on stock.

**Series 42 Accessories**



- ✓ Ex Stock
- 🔧 UK Assembly
- 📞 Please Call Sales Office

Foot Mounts (Pair)	P	Trunnion	I	Rod Fork End	G	Swivel Ball Joint	GA
∅		∅		∅		∅	
P-42-32	32 ✓	I-42-32	32 ✓	G-25-32	32 ✓	GA-32	32 ✓
P-42-40	40 ✓	I-42-40	40 ✓	G-40	40 ✓	GA-40	40 ✓
P-42-50	50 ✓	I-42-50	50 ✓	G-50-63	50-63 ✓	GA-50-63	50-63 ✓
P-42-63	63 ✓	I-42-63	63 ✓				
Piston Rod Socket Joint	GY	Self Aligning Rod	GK	Coupling Piece	GKF	Piston Rod Lock Nut	U
∅		∅		∅		∅	
GY-32	32 ✓	GK-25-32	32 ✓	GKF-25-32	32 ✓	U-25-32	32 ✓
GY-40	40 ✓	GK-40	40 ✓	GKF-40	40 ✓	U-40	40 ✓
GY-50-63	50-63 ✓	GK-50-63	50-63 ✓	GKF-50-63	50-63 ✓	U-50-63	50-63 ✓
Nose Nut	V	Threaded Trunnion Pin (Pair)	T				
∅		∅					
V-42-32	32 ✓	T-42-32	32 ✓				
V-42-40	40 ✓	T-42-40	40 ✓				
V-42-50-63	50-63 ✓	T-42-50	50 ✓				
		T-42-63	63 ✓				

# Series 69 Rotary Cylinders

Double-acting, Magnetic  
 Ø 32, 40, 50, 63, 80, 100, 125 mm

The Camozzi Series 69 Rotary Cylinders can be used in extreme conditions with optimum results, due to the design and materials used.



**Technical Data**  
**Operating Pressure**  
 1 bar to 10 bar  
**Operating Temperature**  
 0°C to +80°C.  
 (with dry air -20°C)  
 Full Data Sheet and Dimensions at  
<https://store.camozzi.co.uk>

PNEUMATIC ACTUATION



- ✓ Ex Stock
- 🔧 UK Assembly
- 📞 Please Call Sales Office

	REED SWITCH	SWITCH MOUNTING BRACKET	BANJO FLOW CONTROL	BANJO RING FITTING	STRAIGHT CONNECTION	ELBOW FITTING			
Part Number	Availability	Bore	Port Size	SKR2C01200	Direct Mount	SCU	6610	S6510	S6520
<b>Double-Acting, Magnetic</b>									
69-032/*	☉	32	1/8	SKR2C01200	Direct Mount	SCU 604-1/8	6610 4-1/8	S6510 4-1/8	S6520 4-1/8
69-040/*	☉	40	1/4	SKR2C01200	Direct Mount	SCU 606-1/4	6610 6-1/4	S6510 6-1/4	S6520 6-1/4
69-050/*	☉	50	1/4	SKR2C01200	Direct Mount	SCU 606-1/4	6610 6-1/4	S6510 6-1/4	S6520 6-1/4
69-063/*	☉	63	3/8	SKR2C01200	Direct Mount	SCU 608-3/8	6610 8-3/8	S6510 8-3/8	S6520 8-3/8
69-080/*	☉	80	3/8	SKR2C01200	Direct Mount	SCU 608-3/8	6610 8-3/8	S6510 8-3/8	S6520 8-3/8
69-100/*	☉	100	1/2	SKR2C01200	Direct Mount	SCU 610-1/2	S6510 10-1/2	S6510 10-1/2	S6520 10-1/2
69-125/*	☉	125	1/2	SKR2C01200	Direct Mount	SCU 610-1/2	S6510 10-1/2	S6510 10-1/2	S6520 10-1/2

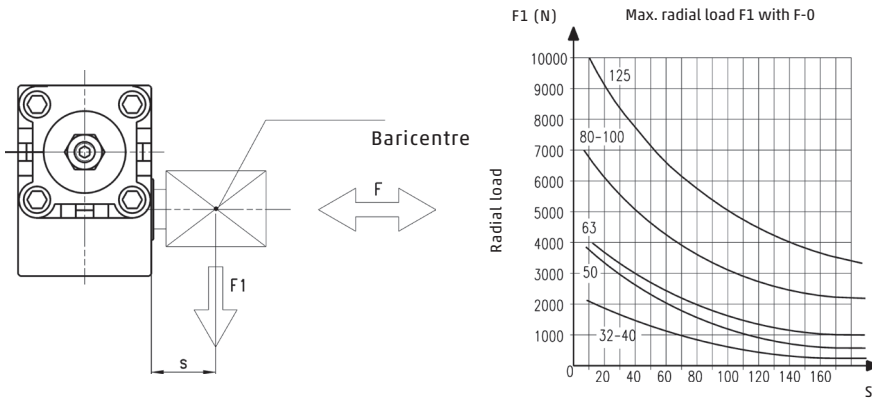
\*Insert rotation angle to complete part number

TABLE SHOWING OUTPUT TORQUES IN Nm (THEORETICAL)

Bore	32	40	50	63	80	100	125
Torque moment (Nm)							
1 bar		1.2	2.25	3.9	7.3	15.7	26.35
2 bar		2.4	4.5	7.8	14.6	31.4	52.70
3 bar		3.6	6.75	11.7	21.9	47.1	79.05
4 bar		4.8	9.0	15.6	29.2	62.8	105.40
5 bar		6.0	11.25	19.5	36.5	78.5	131.75
6 bar		7.2	13.5	23.4	43.8	94.2	158.10
7 bar		8.4	15.75	27.3	51.1	109.9	184.45
8 bar		9.6	18.0	31.2	58.4	125.6	210.80
9 bar		10.8	20.25	35.1	65.7	141.3	237.15
10bar		12.0	22.5	39.0	73.0	157.0	263.50

See full catalogue or [catalogue.camozzi.com](http://catalogue.camozzi.com) for all dimensions.  
 For technical advice contact our sales office or your local Camozzi distributor.

**Applicable Loads**



AXIAL LOAD F MAX WITH F1=0

∅Cyl.	32	40	50	63	80	100	125
F (N)	100	100	120	120	200	250	300

**CODING EXAMPLE**

<b>69</b>	-	<b>050</b>	/	<b>090</b>	-	<b>F</b>
<b>69</b>	SERIES: 69			<b>090</b>	ROTATIONAL ANGLES: 90°, 180°, 270°, 360°	
<b>050</b>	BORE: 32, 40, 50, 63, 80, 100, 125mm			<b>F</b>	PINION: F = Female M = Male	

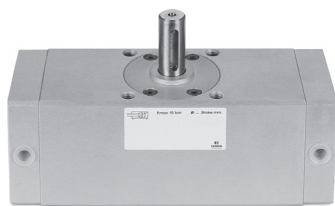
PNEUMATIC ACTUATION



# Series 30 Rotary Cylinders

Standard rotation angles 90° and 180°  
Cushioned and non-cushioned.  
∅ 50, 63, 80, 100 mm

The Camozzi Series 30 Rotary Cylinders are constructed from profiled aluminium, their compact dimensions and clean lines give a good aesthetic appearance.



**Technical Data**  
**Operating Pressure**  
Min 0.5 bar to max 10 bar  
**Operating Temperature**  
0°C to +50°C.  
(with dry air -20°C)

Full Data Sheet and Dimensions at  
<https://store.camozzi.co.uk>

**ACCESSORIES**

- ✓ Ex Stock
- 🇬🇧 UK Assembly
- 📞 Please Call Sales Office

BANJO FLOW CONTROL	BANJO RING FITTING	STRAIGHT CONNECTION	ELBOW FITTING
--------------------	--------------------	---------------------	---------------



Part Number Availability Bore Port Size

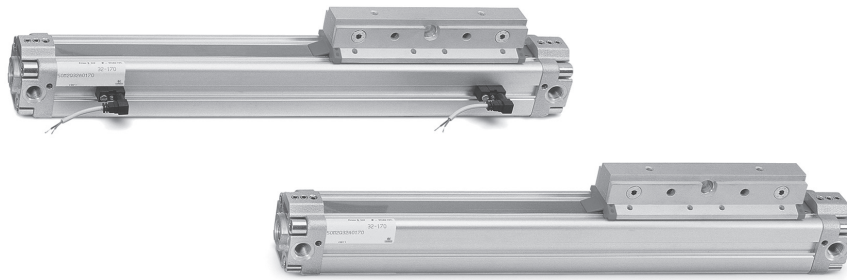
30-050/*	🕒	50	1/8	SCU 604-1/8	6610 6-1/8	S6510 6-1/8	S6520 6-1/8
69-063/*	🕒	63	1/8	SCU 604-1/8	6610 6-1/8	S6510 6-1/8	S6520 6-1/8
69-080/*	🕒	80	1/4	SCU 606-1/4	6610 6-1/4	S6510 6-1/4	S6520 6-1/4
69-100/*	🕒	100	3/8	SCU 608-3/8	6610 8-3/8	S6510 8-3/8	S6520 8-3/8

\*Insert rotational angle to complete part number

# Series 50 Rodless Cylinders

Double-acting, Magnetic, Cushioned  
 Ø 16, 25, 32, 40, 50, 63, 80 mm

**SAME DAY**  
 CYLINDER SERVICE



**Technical Data**  
**Operating Pressure**  
 Min 1 bar to max 8 bar  
**Operating Temperature**  
 0°C to +50°C.  
 (with dry air -10°C)  
 Full Data Sheet and Dimensions at  
<https://store.camozzi.co.uk>

PNEUMATIC ACTUATION

## ACCESSORIES

- ✓ Ex Stock
- ✎ UK Assembly
- ⊗ Please Call Sales Office

REED SWITCH	SWITCH MOUNTING BRACKET	BANJO FLOW CONTROL	BANJO RING FITTING	STRAIGHT CONNECTION	ELBOW FITTING			
Part Number	Availability	Bore	Port Size					
<b>Magnetic</b>								
50M2P16A*	✎	16	M5	CSV-220 Direct Mount	SCU 602-M5	6610 4-M6	6512 4-M5	6522 4-M5
50M2P25A*	✎	25	1/8	CSV-220 Direct Mount	SCU 604-1/8	6610 4-1/8	S6510 4-1/8	S6520 4-1/8
50M2P32A*	✎	32	1/4	SKR2C1200 SZR12	SCU 606-1/4	6610 6-1/4	S6510 6-1/4	S6520 6-1/4
50M2P40A*	✎	40	1/4	SKR2C1200 SZR12	SCU 606-1/4	6610 6-1/4	S6510 6-1/4	S6520 6-1/4
50M2P50A*	✎	50	1/4	SKR2C1200 SZR12	SCU 606-1/4	6610 6-1/4	S6510 6-1/4	S6520 6-1/4
50M2P63A*	✎	63	3/8	SKR2C1200 SZR12	SCU 608-3/8	6610 8-3/8	S6510 8-3/8	S6520 8-3/8
50M2P80A*	✎	80	1/2	SKR2C1200 SZR12	SCU 610-1/2	6610 10-1/2	S6510 10-1/2	S6520 10-1/2

\*Insert stroke length to complete part number

## CODING EXAMPLE

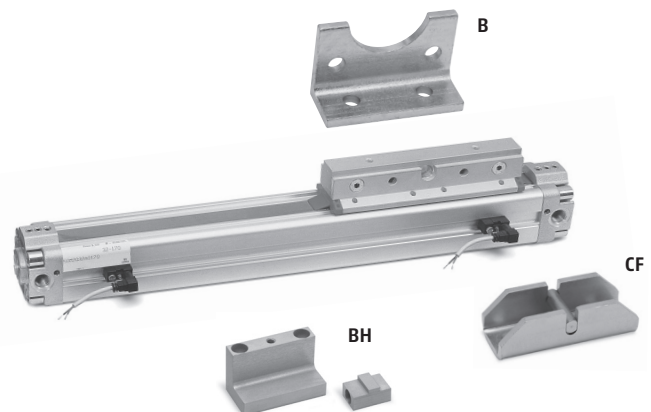
<b>50</b>	<b>M</b>	<b>2</b>	<b>P</b>	<b>50</b>	<b>A</b>	<b>0500</b>
<b>50</b> SERIES: 50	<b>M</b> VERSION: M = magnetic standard	<b>2</b> OPERATION: 2 = double-acting cushioned standard carriage	<b>P</b> MATERIALS: P = anodized AL profile tube - PU and NBR seals - standard carriage U = anodized AL profile tube - PU and NBR seals - flanged carriage	<b>50</b> BORE: 16, 25, 32, 40, 50, 63, 80mm	<b>A</b> TYPE OF MOUNTING A = standard B = feet BH = intermediate feet CF = floating bracket	<b>0500</b> STROKE: Min 100mm - Max 4000mm

Note: All accessories are supplied separately.

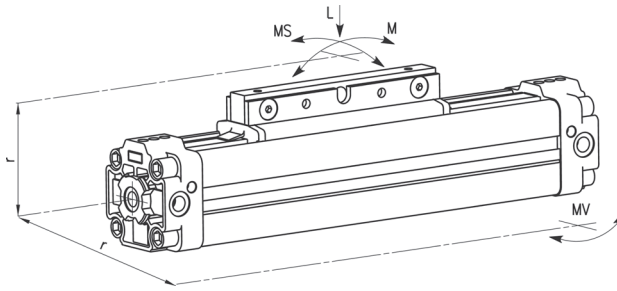
## Series 50 Accessories

- ✓ Ex Stock
- ✎ UK Assembly
- ⊗ Please Call Sales Office

Foot Mounts (pair)	Intermediate Foot Mounts	Floating Bracket
Ø	Ø	Ø
B-50-16 16 ✓	BH-50-16 16 ✓	CF-50-25 25 ✓
B-50-25 25 ✓	BH-50-25 25 ✓	CF-50-32 32 ✓
B-50-32 32 ✓	BH-50-32 32 ✓	CF-50-40 40 ✓
B-50-40 40 ✓	BH-50-40 40 ✓	CF-50-50 50 ✓
B-50-50 50 ✓	BH-50-50 50 ✓	CF-50-63 63 ✓
B-50-63 63 ✓	BH-50-63 63 ✓	CF-50-80 80 ✓
B-50-80 80 ✓	BH-50-80 80 ✓	



**Maximum Permitted Loads and Torque Forces**



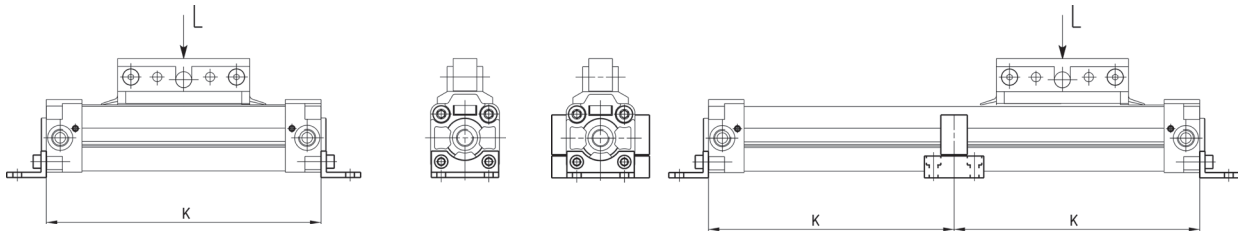
$M = F \times b$   
 $M_S = F \times b$   
 $M_V = F \times b$

$\varnothing_{cyl.}$	Max. load permitted (N) L	Max. bending torque force permitted (Nm) M	Max. bending torque force permitted (Nm) M <sub>s</sub>	Torsional torque force permitted (Nm) M <sub>v</sub>
16	218	3.1	0.5	1
25	660	12.4	1.9	5
32	720	30	4	8
40	1370	39	4	9
50	1600	122	11	16
63	2210	190	19	26
80	3770	305	30	47

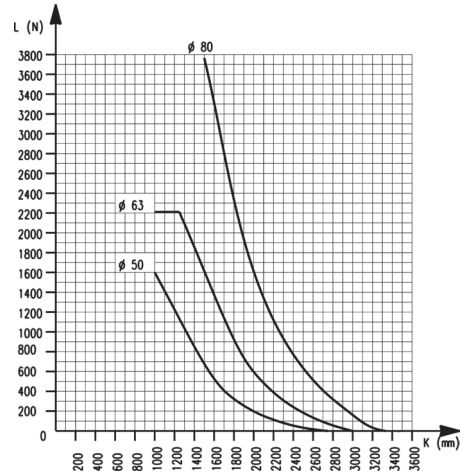
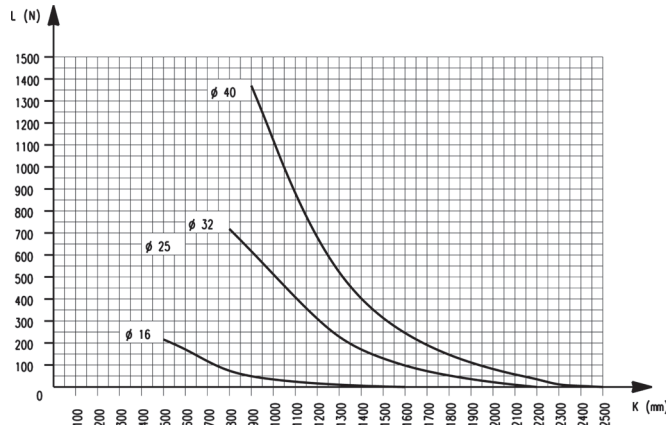
**Note:** Loads and bending torque are valid if applied separately.



**Loads According to Supports' Distance**



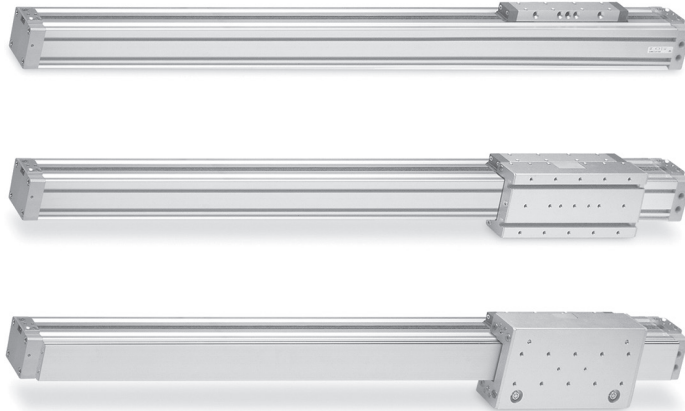
**Note:** The charts below have been made according to a max. distance of 0.5 mm/Load (N). Once the load and the cylinder diameter have been fixed, the charts reported below give the  $k$  values beyond which it is necessary to put an intermediate feet.



# Series 52 Rodless Cylinders

Double-acting, Magnetic, cushioned  
 Ø 25, 32, 40, 50, 63 mm

**SAME DAY**  
CYLINDER SERVICE



**Technical Data**

**Operating Pressure**  
 Min 1 bar to max 8 bar

**Operating Temperature**  
 -10°C to +70°C)

Full Data Sheet and Dimensions at  
<https://store.camozzi.co.uk>

PNEUMATIC ACTUATION



- ✓ Ex Stock
- 🔧 UK Assembly
- 📞 Please Call Sales Office

REED SWITCH	SWITCH MOUNTING BRACKET	BANJO FLOW CONTROL	BANJO RING FITTING	STRAIGHT CONNECTION	ELBOW FITTING
<b>52M2P25A*</b>	<b>Direct Mount</b>	<b>SCU 604-1/8</b>	<b>6610 6-1/8</b>	<b>6512 6-1/8</b>	<b>6522 6-1/8</b>
<b>52M2P32A*</b>	<b>Direct Mount</b>	<b>SCU 604-1/8</b>	<b>6610 6-1/8</b>	<b>6512 6-1/8</b>	<b>6522 6-1/8</b>
<b>52M2P40A*</b>	<b>Direct Mount</b>	<b>SCU 606-1/4</b>	<b>6610 6-1/4</b>	<b>S6510 6-1/4</b>	<b>S6520 6-1/4</b>
<b>52M2P50A*</b>	<b>Direct Mount</b>	<b>SCU 608-3/8</b>	<b>6610 8-3/8</b>	<b>S6510 8-3/8</b>	<b>S6520 8-3/8</b>
<b>52M2P63A*</b>	<b>Direct Mount</b>	<b>SCU 608-3/8</b>	<b>6610 8-3/8</b>	<b>S6510 8-3/8</b>	<b>S6520 8-3/8</b>

Part Number	Availability	Bore	Port Size
<b>Magnetic</b>			
<b>52M2P25A*</b>	🔧	25	1/8
<b>52M2P32A*</b>	🔧	32	1/8
<b>52M2P40A*</b>	🔧	40	1/4
<b>52M2P50A*</b>	🔧	50	3/8
<b>52M2P63A*</b>	🔧	63	3/8

\*Insert stroke length to complete part number

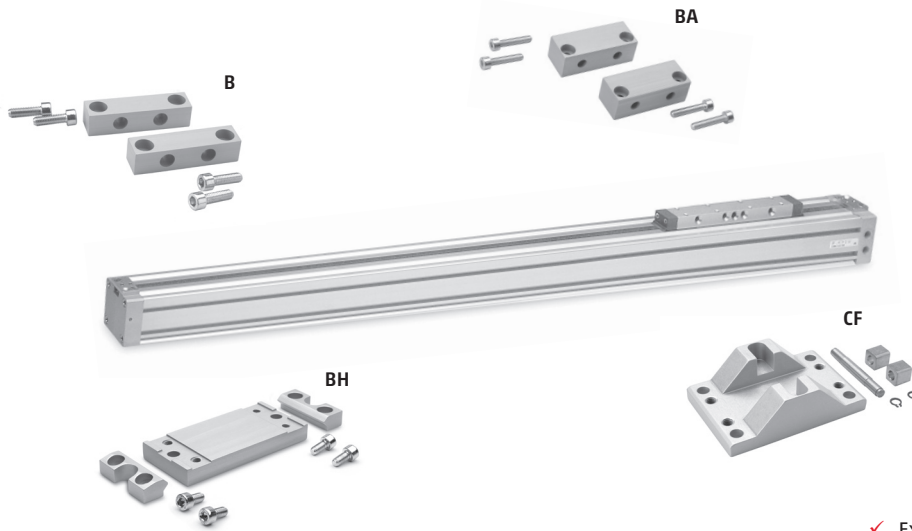
**CODING EXAMPLE**

<b>52</b>	<b>M</b>	<b>2</b>	<b>P</b>	<b>40</b>	<b>A</b>	<b>0500</b>
-----------	----------	----------	----------	-----------	----------	-------------

<p><b>52</b> SERIES: 52</p>	<p><b>40</b> BORE: 25, 32, 40, 50, 63mm</p>
<p><b>M</b> VERSION: M = standard G = with slide bearing R = with roller bearing (only Ø25 - 32 - 40)</p>	<p><b>A</b> TYPE OF MOUNTING: A = standard</p>
<p><b>2</b> OPERATION: 2 = double-acting, cushioned 8 = double-acting, cushioned, with air supply from one side only</p>	<p><b>0500</b> STROKE: Up to 6000mm</p>
<p><b>P</b> MATERIALS: P = anodised AL profile tube, NBR and Polyurethane seals, standard carriage C = anodised AL profile, NBR and Polyurethane seals, short carriage</p>	

**Note:** All accessories are supplied separately.

Series 52 Accessories



- ✓ Ex Stock
- 🔧 UK Assembly
- 📞 Please Call Sales Office

Foot Mounts		Foot Mounts for use for with BH		Intermediate Bracket		Self-compensating Adaptor	
	Ø		Ø		Ø		Ø
B-52-25	25	BA-52-25	25	BH-52-25	25	CF-52-25-32	25
B-52-32	32	BA-52-32	32	BH-52-32	32	CF-52-25-32	32
B-52-40	40	BA-52-40	40	BH-52-40	40	CF-52-40	40
B-52-50	50	BA-52-50	50	BH-52-50	50	CF-52-50-63	50
B-52-63	63	BA-52-63	63	BH-52-63	63	CF-52-50-60	63

Use with Intermediate



Loads and Torque Forces Ø25, Ø32 mm

COMPLEX LOADS

If more than one force and torque is applied simultaneously, they have to be calculated according to the following formula:  
 $L/L(\max) + Ls/Ls(\max) + M/M(\max) + Ms/Ms(\max) + Mv/Mv(\max) \leq 1$ .

For models 52M, the load and torque values refer to the center of the tube. For models 52G/52R the load and torque values refer to the centre point of the external guide. It is also necessary for these models to guarantee on the fixing surface a max 0.1 flatness's value.

The load and torque values refer to a velocity of:  
 Models 52M/52G/52M/52G  $\leq 0.2$  m/s, models 52R  $\leq 2$  m/s.

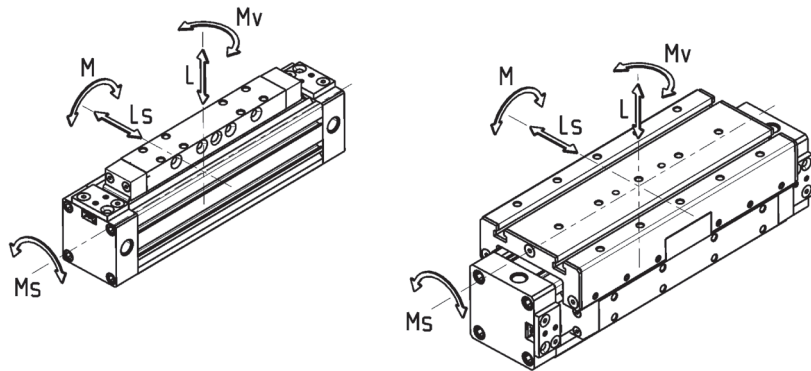


Table showing the maximum permitted loads and torque forces

Part Number	L Max (N)	Ls Max (N)	M Max (Nm)	Ms Max (Nm)	Mv Max (Nm)	Mass at 0 mm stroke (kg)	Additional mass per 100 mm (kg)
52M2P25A - 52M8P25A	270	-	13	2.5	11	0.88	0.30
52M2C25A - 52M8C25A	270	-	8	2	7	0.62	0.30
52G2P25A - 52G8P25A	580	580	23	10	23	1.31	0.30
52G2C25A - 52G8C25A	340	340	9	5	9	0.88	0.30
52R2P25A - 52R8P25A	850	1300	65	35	105	1.97	0.42
52R2C25A - 52R8C25A	850	1300	29	35	64	1.33	0.42
52M2P32A - 52M8P32A	300	-	30	3	24	1.40	0.39
52M2C32A - 52M8C32A	300	-	15	3	12	0.96	0.39
52G2P32A - 52G8P32A	850	850	33	15	33	2.09	0.39
52G2C32A - 52G8C32A	460	460	14	6.5	14	1.35	0.39
52R2P32A - 52R8P32A	900	1500	79	40	125	2.96	0.48
52R2C32A - 52R8C32A	900	1500	36	40	76	1.91	0.48



## Loads and Torque Forces Ø40, Ø50, Ø63 mm

### COMPLEX LOADS

If more than one force and torque is applied simultaneously, they have to be calculated according to the following formula:

$$L/L(\max) + L_s/L_s(\max) + M/M(\max) + M_s/M_s(\max) + M_v/M_v(\max) \leq 1.$$

For models 52M, the load and torque values refer to the centre of the tube. For models 52G/52R the load and torque values refer to the center point of the guide.

The load and torque values refer to a velocity of: Models 52M/52G ≤ 0.2 m/s Models 52R ≤ 2 m/s If the velocity exceeds 0.2m/s for the models 52M/52G, the load and torque values have to be multiplied by the coefficients according to the table.

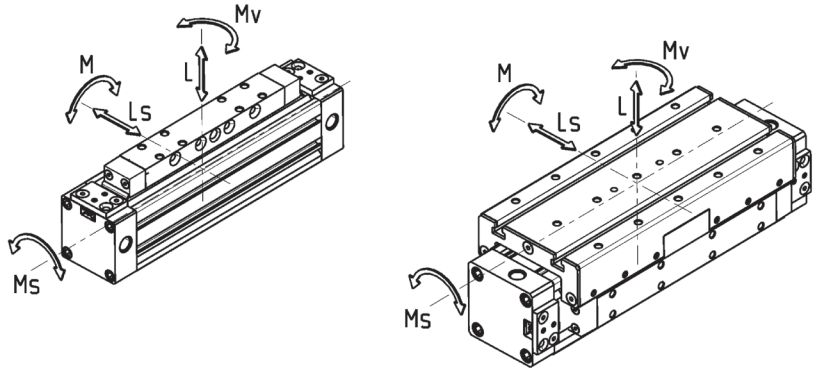
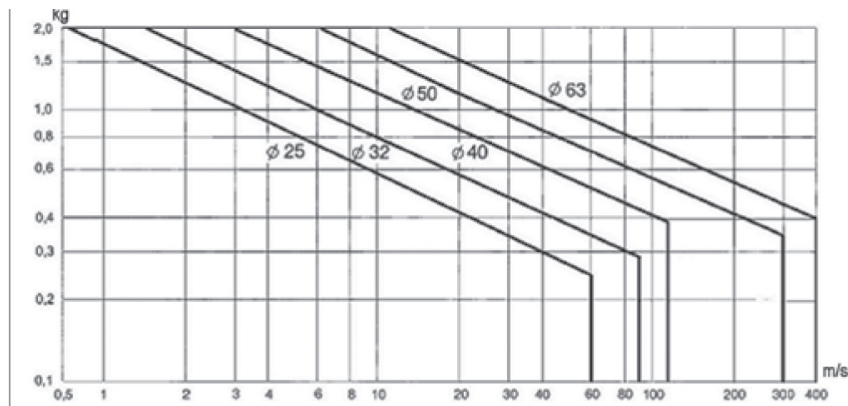


Table showing the maximum permitted loads and torque forces

Part Number	L Max (N)	Ls Max (N)	M Max (Nm)	Ms Max (Nm)	Mv Max (Nm)	Mass at 0 mm stroke (kg)	Additional mass per 100 mm (kg)
52M2P40A - 52M8P40A	650	-	60	4	54	2.41	0.52
52M2C40A - 52M8C40A	650	-	30	4	27	1.65	0.52
52G2P40A - 52G8P40A	1120	1120	60	25	60	3.58	0.52
52G2C40A - 52G8C40A	600	600	25	11	25	2.30	0.52
52R2P40A - 52R8P40A	1200	2000	190	67	118	5.89	0.74
52R2C40A - 52R8C40A	1200	2000	85	67	72	3.84	0.74
52M2P50A - 52M8P50A	800	-	80	17	74	5.30	0.96
52M2C50A - 52M8C50A	800	-	38	17	32	3.50	0.96
52G2P50A - 52G8P50A	1550	1500	200	70	200	7.28	0.96
52G2C50A - 52G8C50A	820	800	60	40	60	4.63	0.96
52M2P63A - 52M8P63A	1400	-	110	17	100	8.10	1.32
52M2C63A - 52M8C63A	1400	-	50	17	48	5.40	1.32
52G2P63A - 52G8P63A	2200	2000	300	102	300	11.02	1.32
52G2C63A - 52G8C63A	1100	1100	105	56	105	7.10	1.32

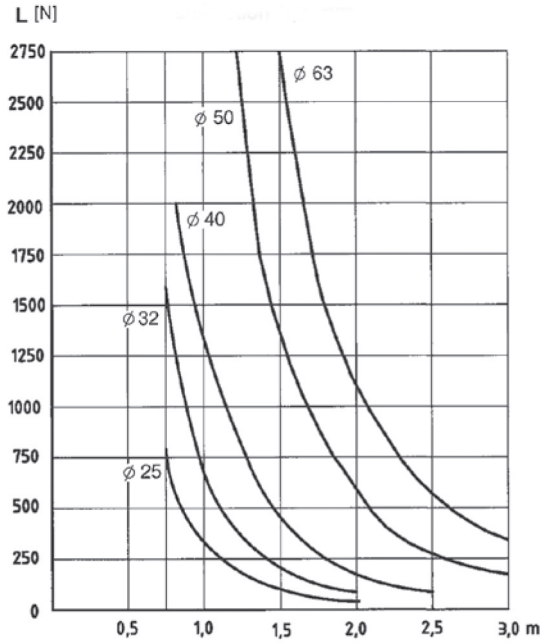
## End Cushion Diagram



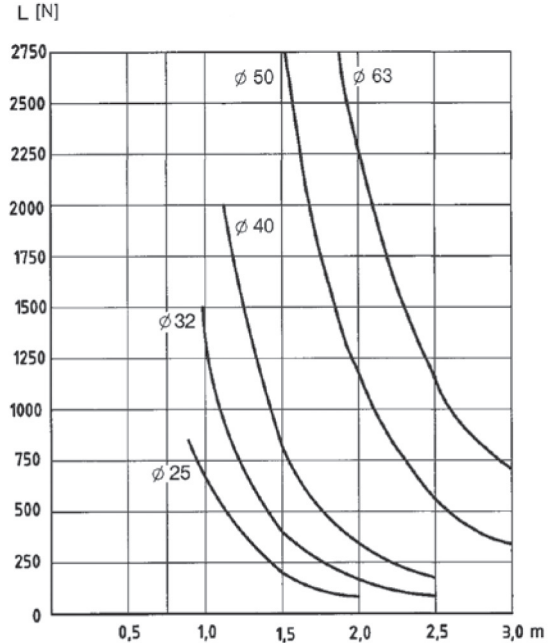
The end cushion regulating screw has to be regulated to obtain a smooth movement at the end of stroke.  
 In those applications which have different values than the ones stated in the diagram, external shock-absorbers have to be used. The shock-absorber should be centrally located with respect to the centre of the mass.  
 The diagram applies for horizontal operations.

Correction coefficient, loads speed - coefficient:  
 0.2 m/s - 1  
 0.3 m/s - 0.75  
 0.4 m/s - 0.5  
 0.5 m/s - 0.4  
 0.75 m/s - 0.27  
 1 m/s - 0.2

Loads According to Supports Distance



**DEFLECTION 0.5 mm**  
The charts have been made according to a max. deflection of 0.5 mm and 1 mm when a load (N) is applied. The charts give the max distance between two supports in order to stay within the deflection range given.



**DEFLECTION 1 mm**  
The charts have been made according to a max. deflection of 0.5 mm and 1 mm when a load (N) is applied. The charts give the max distance between two supports in order to stay within the deflection range given.

## Magnetic Proximity Switches

For use with Camozzi cylinders, in conjunction with the appropriate bracket shown on the opposite page.

With 2/3 Wire Cable



- ✓ Ex Stock
- 🇬🇧 UK Assembly
- ☎ Please Call Sales Office

Part Number	Availability	Description	Cable Length	For use with
SKR2C01200	✓	T slot reed, 2 wires, 5 - 130v AC/DC	2m	All cylinders, see brackets (pg 46)
CSV-220	✓	V slot reed, 2 wires, 10 - 110v AC/DC	2m	All cylinders, see brackets (pg 46)
SKR3C01300	✓	T slot reed, 3 wires, 5 - 30v AC/DC	3m	All cylinders, see brackets (pg 46)
CSV-232	✓	V slot reed, 3 wires, 5 - 30v AC/DC	2m	All cylinders, see brackets (pg 46)
SKH3C01200	✓	T slot hall effect, 3 wires, PNP, 10 - 30v DC	2m	All cylinders, see brackets (pg 46)
CSV-332	✓	V slot hall effect, 3 wires, PNP, 10 - 27v DC	2m	All cylinders, see brackets (pg 46)
SKR6C01300	✓	T slot reed, 2 wires, 5 - 230v AC/DC	3m	All cylinders, see brackets (pg 46)
CSH-223-2	✓	Reed, 2 wires, 10 - 30v AC/DC	2m	Series 63 Profile
CSH-223-5	✓	Reed, 2 wires, 10 - 30v AC/DC	5m	Series 63 Profile

For the correct function of Proximity Switches they must only be used with the relevant bracket where applicable. Please see below regarding the bracket to be used for each cylinder sensor/bore.

**With Male Connector M8**



- ✓ Ex Stock
- 🇬🇧 UK Assembly
- ☎ Please Call Sales Office

Part Number	Availability	Description
SKR2C01M8	✓	T slot reed, 2 wires with M8 connector, 5 - 50v AC/DC
CSV-250N	✓	V slot reed, 2 wires with M8 connector, 10 - 110v AC/DC
SKR3C01M8	✓	T slot reed, 3 wires with M8 connector, 5 - 30v AC/DC
CSV-262	✓	V slot reed, 3 wires with M8 connector, 5 - 30v AC/DC
SKH3C01M8	✓	T slot hall effect, 3 wires with M8 connector, PNP, 10 - 30v DC
CSV-362	✓	V slot hall effect, 3 wires with M8 connector, PNP, 10 - 30v DC
AG08B3C25500	✓	M8 female, 3 pole, 5m extension lead

Note: 2 & 3 wire reed switches listed are N.O. with a 2 metre long cable. Alternatives can be quoted on request. Reed switches fitted with an M8 connector are N.O. with a 0.3 metres long cable.

For the correct function of Proximity Switches they must only be used with the relevant bracket where applicable.

Please see below regarding the bracket to be used for each cylinder sensor/bore.

## Magnetic Proximity Brackets

- ✓ Ex Stock
- 🇬🇧 UK Assembly
- ☎ Please Call Sales Office



For Series 23, 24, 25, 94 & 95

Part Number	Availability	Bore
SF16	✓	16
SF20	✓	20
SF25	✓	25

Bracket for use with T slot type switch



For Series 27

Part Number	Availability	Bore
SF20	✓	20
SF25	✓	25
S-CST 06	✓	32
S-CST 07	✓	40
S-CST 08	✓	50
S-CST 09	✓	63

Bracket for use with T slot type switch



For Series 42 and 97

Part Number	Availability	Bore
S-CST 06	✓	32
S-CST 07	✓	40
S-CST 08	✓	50
S-CST 09	✓	63

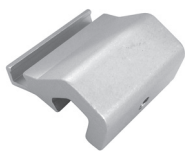
Bracket for use with T slot type switch



For Series 50

Part Number	Availability	Bore
Direct Mounting*	✓	16-25
SZR12**	✓	32-80

\*with CSV type switch  
\*\*with T slot type switch



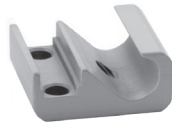
For Series 63 MT & 90

Part Number	Availability	Bore
SCD32	✓	32-63
SCD80	✓	80-100
S-CST-27	✓	125

For Series 40

S-CST-28	✓	160-200
----------	---	---------

Bracket for use with T slot type switch



For Series 45N

Part Number	Availability	Bore
S-CST 45N1	✓	32-63
S-CST 45N2	✓	80-100

Bracket for use with T slot type switch



For Series QP

Part Number	Availability	Bore
Direct Mounting*	✓	12-16
SZR12**	✓	20-100

For Series QPR

Direct Mounting*	✓	12-16
SZR12**	✓	20-100

\*with CSV type switch  
\*\*with T slot type switch



Direct Mounting to cylinder tube

Series	Availability	Bore
31	✓	12-100
32	✓	20-100
52	✓	25-63
61	✓	32-125
63 (MP)	✓	32-125
69	✓	32-125

Direct mounting with T slot type switch, no bracket required

# Series CSB - CSC Magnetic Proximity Switches

## Reed Switch

The Camozzi Series CSB - CSC Magnetic Proximity Switch define the position of the magnetic piston. When the internal contact is actuated by a magnetic field, the sensors complete an electrical circuit and provide an output signal to actuate directly a solenoid valve or a PLC.

- ✓ Ex Stock
- ✎ UK Assembly
- ☎ Please Call Sales Office

Part Number	Availability
CSB-D-220	☉
CSB-H-220	☉
CSC-D-220	☉
CSC-H-220	☉

\*CSB type suit CGA, CGB, CGC and CGP type grippers.  
\*\*CSC type suit CGLN, CGSN and QX type grippers.



### Technical Data

**Operating Temperature**  
-10°C to +60°C

### Materials

Body: Plastic encapsulating epoxy resin

### Mountings

Directly into the grooves

### Special Requests

For assistance, contact our technical office or your local Camozzi distributor.

### CODING EXAMPLE

CS	B	-	D	2	2	0
<b>CS</b>	SERIES: CS = Magnetic		<b>2</b>	2 = reed		
<b>B</b>	B = Square shape C = Round shape		<b>20</b>	2 = 2 wires (only reed)		
<b>D</b>	D = straight lead H = lead 90°					

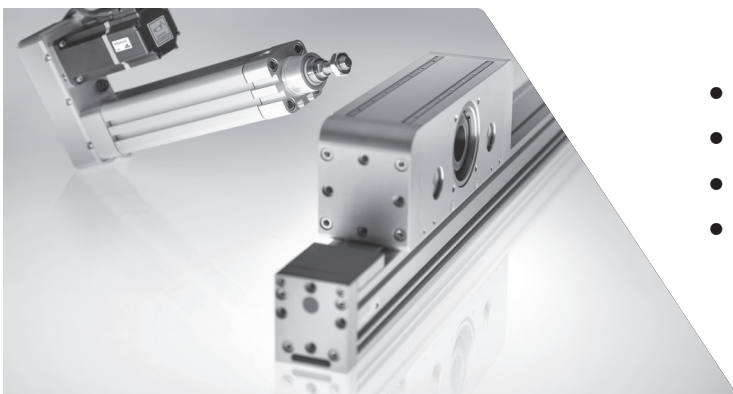


Main



Section

# Electric Actuation



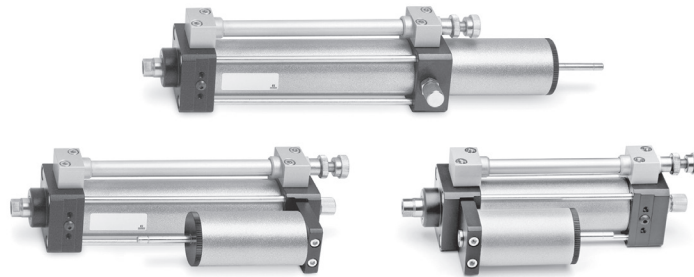
- Electromechanical cylinders
- Electromechanical Axes
- Drives
- Motors

# Series 43 Hydrochecks

Skip - Stop Function

Ø 40 mm

The Camozzi series 43 comes complete with an oil surge tank which ensures automatic equalisation. Speed variation is obtained by means of an incorporated flow regulator designed to allow comprehensive and constant use.



**Technical Data**

**Type of Construction**  
With tie-rods

**Media**  
Special hydraulic oil (contact our engineers)

**Operating Pressure**  
Min 1 max 10 bar

**Operating Temperature**  
-10°C to +60°C

**Bore Size**  
40mm

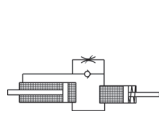
**Stroke Lengths**  
Standard - see tables  
Non-standard - on request

**Speed**  
Min 14mm/min  
Max 15mm/min  
(in non regulated direction)

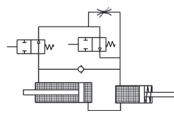
**Controllable Load**  
Max 500kg  
(Including inertia of moving masses)

**Special Requests**  
For assistance, contact our technical office or your local Camozzi distributor

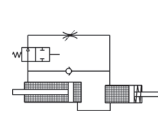
**Note**  
Controllable load 500kg max  
(including inertia of moving).



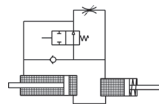
Part Number	Availability
43N-LTO-40-50	Ⓞ
43N-LTO-40-100	Ⓞ
43N-LTO-40-150	Ⓞ
43N-LTO-40-200	Ⓞ



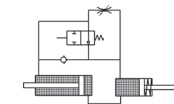
Part Number	Availability
43N-LTB-40-50	Ⓞ
43N-LTB-40-100	Ⓞ
43N-LTB-40-150	Ⓞ
43N-LTB-40-200	Ⓞ



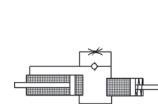
Part Number	Availability
43N-PTV-40-50	Ⓞ
43N-PTV-40-100	Ⓞ
43N-PTV-40-150	Ⓞ
43N-PTV-40-200	Ⓞ



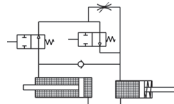
Part Number	Availability
43N-PSA-40-50	Ⓞ
43N-PSA-40-100	Ⓞ
43N-PSA-40-150	Ⓞ
43N-PSA-40-200	Ⓞ



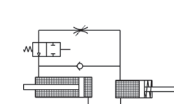
Part Number	Availability
43N-LTA-40-50	Ⓞ
43N-LTA-40-100	Ⓞ
43N-LTA-40-150	Ⓞ
43N-LTA-40-200	Ⓞ



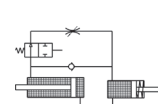
Part Number	Availability
43N-PTO-40-50	Ⓞ
43N-PTO-40-100	Ⓞ
43N-PTO-40-150	Ⓞ
43N-PTO-40-200	Ⓞ



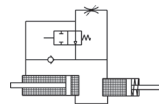
Part Number	Availability
43N-PTB-40-50	Ⓞ
43N-PTB-40-100	Ⓞ
43N-PTB-40-150	Ⓞ
43N-PTB-40-200	Ⓞ



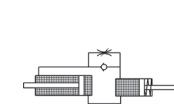
Part Number	Availability
43N-PSV-40-50	Ⓞ
43N-PSV-40-100	Ⓞ
43N-PSV-40-150	Ⓞ
43N-PSV-40-200	Ⓞ



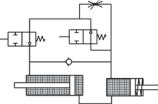
Part Number	Availability
43N-LTV-40-50	Ⓞ
43N-LTV-40-100	Ⓞ
43N-LTV-40-150	Ⓞ
43N-LTV-40-200	Ⓞ



Part Number	Availability
43N-PTA-40-50	Ⓞ
43N-PTA-40-100	Ⓞ
43N-PTA-40-150	Ⓞ
43N-PTA-40-200	Ⓞ



Part Number	Availability
43N-PSO-40-50	Ⓞ
43N-PSO-40-100	Ⓞ
43N-PSO-40-150	Ⓞ
43N-PSO-40-200	Ⓞ



Part Number	Availability
43N-PSB-40-50	Ⓞ
43N-PSB-40-100	Ⓞ
43N-PSB-40-150	Ⓞ
43N-PSB-40-200	Ⓞ

## Series 43 Accessories



Pump for Refilling  
Hydraulic Speed  
regulator

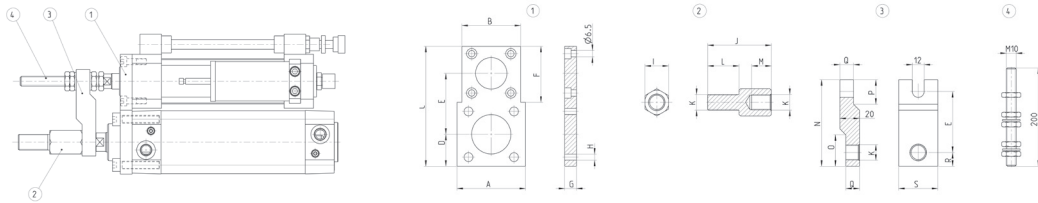
Hydrocheck Refilling Pump	Availability
43N-PMP	Ⓞ

**CODING EXAMPLE**

<b>43</b>	<b>N</b>	<b>-</b>	<b>P</b>	<b>S</b>	<b>O</b>	<b>-</b>	<b>40</b>	<b>-</b>	<b>200</b>
<b>43</b> SERIES: 43									
<b>N</b> N = standard S = special			<b>S</b> S = thrust (rod return regulated) T = traction (rod thrust regulated)			<b>40</b> BORE: 40mm			
<b>P</b> L = tank in series P = tank parallel			<b>O</b> A = SKIP valve B = SKIP + STOP valve V = STOP valve 0 = standard			<b>200</b> STROKE in mm			

Part Number 43N-PNP. Pump for refilling hydrocheck speed regulator

**Accessories for Hydrochecks Series 43 - Connecting Kit**



- ✓ Ex Stock
- 🇬🇧 UK Assembly
- 📞 Please Call Sales Office

Part Number	Availability	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
43N-40-40	📞	60	-	110	26.5	56	-	12	7	19	47	M12 x 1.25	24	14	80	25	25	14	12	40
43N-40-50	📞	70	60	122	32.52	62	57	12	9	24	65	M16 x 1.5	32	20	88	32	25	14	14	40
43N-40-63	📞	80	60	132	37.5	67	57	20	9	24	65	M16 x 1.5	32	20	93	32	25	14	14	40
43N-40-80	📞	100	60	152	47.5	77	57	20	11	30	78	M20 x 1.5	40	25	107	-	-	-	18	50



# Series 61 and 63 Valve Mounting Bracket

**Example of assembly Series 61**



Part Number	Availability	Mounting Bracket
PCV-61-K3	📞	for mounting solenoid valves Series 3, 1/8
PCV-61-K4	📞	for mounting solenoid valves Series 4, 1/4
PCV-61-K8	📞	for mounting solenoid valves Series 4, 1/8
PCV-62-KEN	📞	for mounting solenoid valves Series EN

**Note:** Fittings and valve supplied separately

**Example of assembly Series 63**



Part Number	Availability	Mounting Bracket
PCV-62-K3	📞	for mounting valves series 3
PCV-62-K4	📞	for mounting valves series 4, 1/4
PCV-62-KEN	📞	for mounting valves series EN
PCV-62-K8	📞	for mounting valves series 4, 1/8 and series 3, 1/4

**Note:** Fittings and valve supplied separately

# Series RL Rod Locks

Ø 20, 25, 32, 40, 50, 63, 80, 100, 125 mm

For ISO 6431/VDMA and ISO 6432 cylinders

The Camozzi Series RL are of compact dimensions allowing units to be fitted on cylinders where space is limited.



**Technical Data**

**Type of Construction**  
Compact

**Operating Pressure**  
Min 3 max 8 bar

**Operating Temperature**  
0°C to +80°C.  
(with dry air -20°C)

**Materials**

Housing: anodised aluminium  
Clamp: Brass  
Seals: NBR

**Cylinder diameter**  
Ø20, Ø32, Ø40, Ø50, Ø63, Ø80, Ø100, Ø125

**Connections**

Ø20, Ø25, Ø32 - M5  
Ø40, Ø50, Ø63, Ø80, Ø100, Ø125 - 1/8

**Special Requests**

For assistance, contact our technical office or your local Camozzi distributor

**Note**

Cylinders must be ordered with a piston rod extension in order to fit rod locks. See table

**Caution!**

The rod lock should not be used to "brake" the piston rod in dynamic conditions and must only be applied when movement has ceased.

Standard, complete with cartridge and housing	Availability
RLC-24-20	Ⓞ
RLC-24-25	Ⓞ
RLC-41-32	Ⓞ
RLC-41-40	Ⓞ
RLC-41-50	Ⓞ
RLC-41-63	Ⓞ
RLC-41-80	Ⓞ
RLC-41-100	Ⓞ
RLC-41-125	Ⓞ

Cartridge only	Availability
RLB-24-20	Ⓞ
RLB-24-25	Ⓞ
RLB-41-32	Ⓞ
RLB-41-40	Ⓞ
RLB-41-50	Ⓞ
RLB-41-63	Ⓞ
RLB-41-80	Ⓞ
RLB-41-100	Ⓞ
RLB-41-125	Ⓞ

**HOLDING FORCE (STATIC LOAD)**

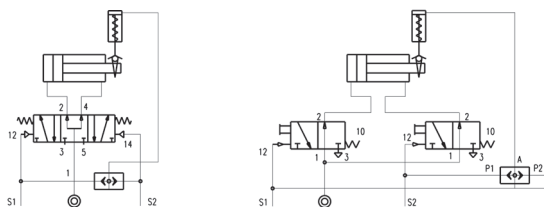
Ø	20	25	32	40	50	63	80	100	125
holding force N.	300	400	650	1100	1600	2500	4000	6300	8800

**PISTON ROD EXTENSION**

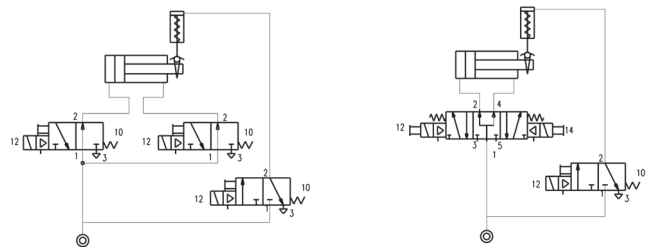
Ø	20	25	32	40	50	63	80	100	125
extension	+50	+48	+40	+43	+57	+57	+80	+80	+125

**Scheme of Operation**

**Pneumatic control**



**Electropneumatic control**



**CODING EXAMPLE**

<b>RLC</b>	-	<b>41</b>	-	<b>32</b>
<b>RLC</b>	SERIES RLC = standard, complete with cartridge and housing RLB = cartridge only	<b>41</b>	CYLINDER SERIES 24 = for Series 24 and 25 41 = for Series 60 and 61, 63	<b>32</b>
				CYLINDER BORE 20, 25, 32, 40, 50, 63, 80, 100, 125mm

# Series SA Shock Absorbers

Self compensating

M8x1, M10x1, M12x1, M14x1.5, M20x1.5, M25x1.5, M27x1.5

The Camozzi Series SA Shock Absorbers are used to provide impact and noise absorption when stopping objects in motion.

PNEUMATIC ACTUATION

Part Number	Availability	Size	Stroke
SA-0806 W	☉	M8x1	6mm
SA-0806	☉	M8x1	6mm
SA-1007 W	☉	M10x1	7mm
SA-1007	☉	M10x1	7mm
SA-1210 W	☉	M12x1	10mm
SA-1210	☉	M12x1	10mm
SA-1412 W	☉	M14x1.5	12mm
SA-1412	☉	M14x1.5	12mm
SA-2015 W	☉	M20x1.5	15mm
SA-2015	☉	M20x1.5	15mm
SA-2525 W	☉	M25x1.5	25mm
SA-2525	☉	M25x1.5	25mm
SA-2725 W	☉	M27x1.5	25mm
SA-2725	☉	M27x1.5	25mm



**Technical Data**

**Type of Construction**  
Hydraulic shock absorber, self compensating

**Operating Temperature**  
-10°C to +80°C

**Materials**

Body: Steel, black coated  
Piston Rod: Carbon steel, chrome plated  
Piston: Carbon steel  
Seals: NBR

**Stroke Lengths**

See Shock absorbers coding SA

**Mountings**

Threaded Body

**Special Requests**

For assistance, contact our technical office or your local Camozzi distributor.



Main



Section

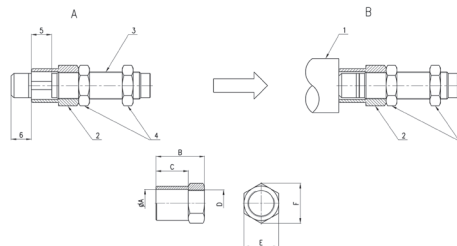
**CODING EXAMPLE**

SA	0806
<p><b>SA</b> SERIES: SA</p>	<p><b>0806</b> SIZE/STROKE</p> <p>0806 = size M8x1 stroke 6 mm</p> <p>1007 = size M10x1 stroke 7 mm</p> <p>1210 = size M12x1 stroke 10 mm</p> <p>1412 = size M14x1,5 stroke 12 mm</p> <p>2015 = size M20x1,5 stroke 15 mm</p> <p>2525 = size M25x1,5 stroke 25 mm</p> <p>2725 = size M27x1,5 stroke 25 mm</p>
	<p><b>OPTION</b></p> <p>None = Standard, with cap</p> <p>W = Without cap*</p> <p>* on request</p>

**NOTE:** The shock absorbers are supplied complete with 2 mounting nuts.

**ADJUSTED STROKE NUT**

- A = Initial position
- B = Final position
- 1 = Impact object
- 2 = Adjusted stroke nut
- 3 = Shock absorber
- 4 = Fixing screw
- 5 = Stroke
- 6 = Stroke length




Mod.	ØA	B	C	D	E	F
SA-08SC (for SA-0806)	10.5	14	9	M8X1	11	12.7
SA-10SC (for SA-1007)	12	16	10	M10X1	13	14.7
SA-12SC (for SA-1210)	14.5	20	13	M12X1	16	18.5
SA-14SC (for SA-1412)	25.8	20	15	M14X1	19	21.9
SA-20SC (for SA-2015)	27.8	35	20	M20X1.5	26	30
SA-25SC (for SA-2525)	5.8	45	30	M25X1.5	32	37
SA-27SC (for SA-2725)	20.7	65	50	M27X1.5	32	37





# Electric Actuation

## 1 Electromechanical Cylinders


	Page
 Series 6E <b>Electromechanical Cylinders</b>	53

## 2 Electromechanical Axes

	Page
 Series 5E <b>Electromechanical Axis</b>	56

 Series 5V <b>Vertical electromechanical Axis</b>	58
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## 3 Drives

	Page
 Series DRWB <b>Drives for the Control of Electric Actuation</b>	60

 Series DRCS <b>Drives for Stepper Motors</b>	60
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## 4 Motors

	Page
 Series MTB <b>Motors for Electric Actuation</b>	61

 Series MTS <b>Motors for Electric Actuation</b>	61
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 Series GB <b>Planetary Gearboxes</b>	62
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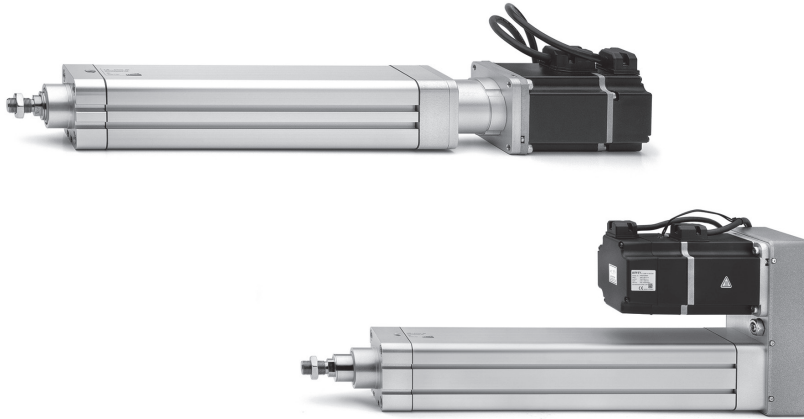
 Series CO <b>Motion Transmission Devices</b>	62
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# Series 6E Electromechanical Cylinders

Sizes 32, 40, 50, 63, 80, 100  
ISO 1552 Standard

## Technical Data

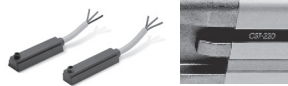
For full technical data please visit  
<https://store.camozzi.co.uk>



ELECTRIC ACTUATION

## ACCESSORIES

Reed Switch	Switch Mounting Bracket
-------------	-------------------------



- ✓ Ex Stock
- ✚ UK Assembly
- ☎ Please Call Sales Office

Part Number	Availability	Bore
<b>Recirculating Ball Screw</b>		
6E032BS*	✓	32
6E040BS*	✓	40
6E050BS*	✓	50
6E063BS*	✓	63
6E080BS*	✓	80
6E100BS*	✓	100

SKR2C01200	Direct Mount
SKR2C01200	Direct Mount
SKR2C01200	Direct Mount
SKR2C01200	Direct Mount
SKR2C01200	Direct Mount
SKR2C01200	Direct Mount

\*Insert stroke length to complete part number

## STANDARD STROKES

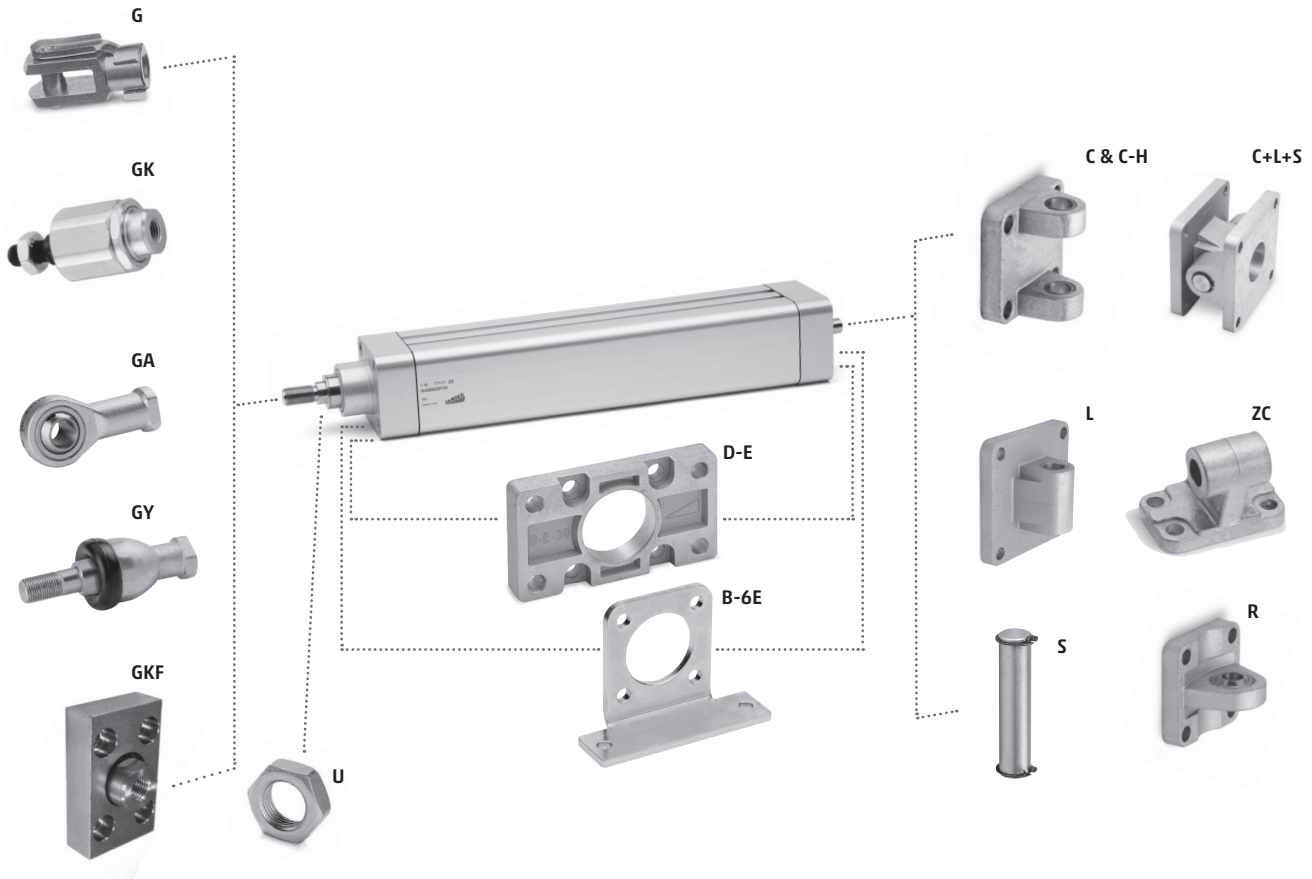
STANDARD STROKES												
Size	100	200	300	400	500	600	700	800	1000	1200	1500	
32	*	*	*	*	*							
40	*	*	*	*	*	*	*					
50	*	*	*	*	*	*	*	*	*		*	
63	*	*	*	*	*			*	*	*	*	

## CODING EXAMPLE

<b>6E</b>	<b>032</b>	<b>BS</b>	<b>0200</b>	<b>P05</b>	<b>A</b>
-----------	------------	-----------	-------------	------------	----------

<b>6E</b> SERIES: 6E			<b>0200</b> STROKE: 100 TO 1500mm	<b>A</b> CONSTRUCTION: A = Standard with rod nut
<b>32</b> SIZE: 032 = 32    063 = 63 040 = 40    080 = 80 050 = 50    100 = 100				
<b>BS</b> DESIGN: BS = recirculating ball screw			<b>P05</b> SCREW PITCH: P05 = 5mm P10 = 10mm P16 = 16mm (for size 40 only) P20 = 20mm (for size 50 only) P25 = 25mm (for size 63 only) P32 = 32mm (for size 80 only) P40 = 40mm (for size 100 only)	<b>VERSION:</b> = IP40 (not available for sizes 80 and 100) P = IP65 ( _ _ ) = extended piston rod _ _ mm

## Series 6E Accessories



- ✓ Ex Stock
- 🇬🇧 UK Assembly
- ⊗ Please Call Sales Office

Foot Mount (pair)	B-6E	Front and Rear Flange	D-E	Rear Trunnion, Female	C & CH	Swivel Combination	C+L+S
∅		∅		∅		∅	
B-6E-32	32	D-E-41-32	32	C-41-32	32	C+L+S-32	32
B-6E-40	40	D-E-41-40	40	C-41-40	40	C+L+S-40	40
B-6E-50	50	D-E-41-50	50	C-41-50	50	C+L+S-50	50
B-6E-63	63	D-E-41-63	63	C-H-41-63	63	C+L+S-63	63
B-6E-80	80	D-E-41-80	80				
B-6E-100	100	D-E-41-100	100				

Rear Trunnion, Male	L	90° Swivel Trunnion	ZC	Clevis Pin	S	Rear Trunnion Ball Joint	R
∅		∅		∅		∅	
L-41-32	32	ZC 32	32	S-32	32	R-41-32	32
L-41-40	40	ZC 40	40	S-40	40	R-41-40	40
L-41-50	50	ZC 50	50	S-50	50	R-41-50	50
L-41-63	63	ZC 63	63	S-63	63	R-41-63	63
				S-80	80	R-41-80	80
				S-100	100	R-41-100	100

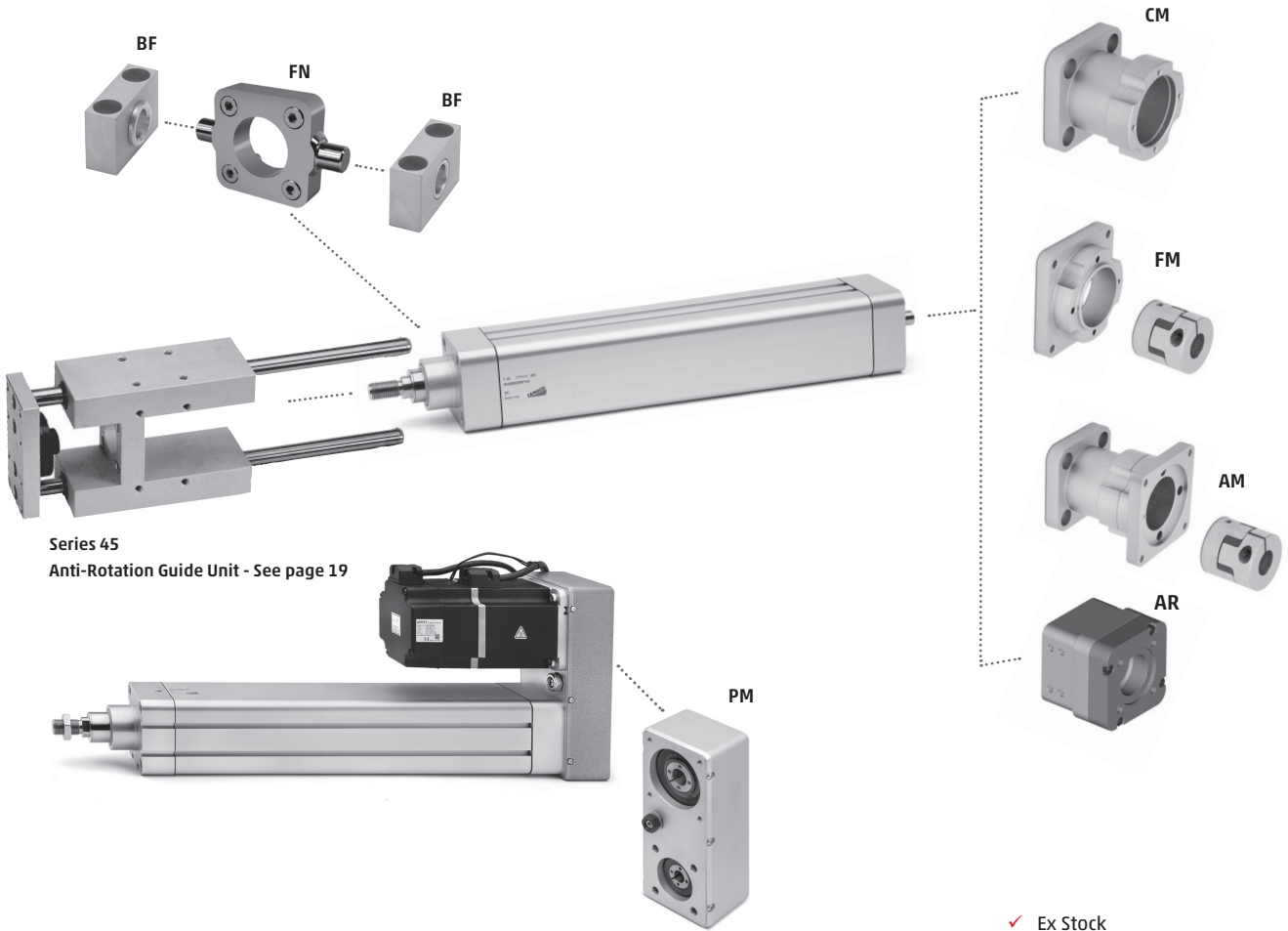
  

Rod Fork End	G	Self Aligning Rod	GK	Swivel Ball Joint	GA	Piston Rod Socket Joint	GY
∅		∅		∅		∅	
G-25-32	32	GK-25-32	32	GA-32	32	GY-32	32
G-40	40	GK-40	40	GA-40	40	GY-40	40
G-50-63	50-63	GK-50-63	50-63	GA-50-63	50-63	GY-50-63	50-63
G-80-100	80-100	GK-80-100	80-100	GA-80-100	80-100	GY-80-100	80-100

Coupling Piece	GKF	Piston Rod Lock Nut	U
∅		∅	
GKF-25-32	32	U-25-32	32
GKF-40	40	U-40	40
GKF-50-63	50-63	U-50-63	50-63
GKF-80-100	80-100	U-80-100	80-100

Series 6E Accessories



Series 45  
Anti-Rotation Guide Unit - See page 19

- ✓ Ex Stock
- 🔧 UK Assembly
- 📞 Please Call Sales Office

Counter Bracket for Centre Trunnion <b>BF</b>			Centre <b>FN</b>			Kit for parallel connection <b>PM</b>			Housing for axial connection <b>CM</b>		
	∅			∅			∅			∅	
BF-32	32	✓	FN-32	32	📞	PM-6E-32-0100	32	📞	CM-6E-32	32	📞
BF-40-50	40-50	✓	FN-40	40	📞	PM-6E-40-0400	40	📞	CM-6E-40	40	📞
BF-63-80	63-80	✓	FN-50	50	📞	PM-6E-50-0400	50	📞	CM-6E-50	50	📞
BF-100-125	100-125	✓	FN-63	63	📞	PM-6E-63-0750	63	📞	CM-6E-63	63	📞
			FN-80	80	📞						
			FN-100	100	📞						

Flange for axial connection <b>FM</b>				Kit for axial connection (IP40) <b>AM</b>			
	∅	Motor			∅	Motor	
FM-6E-32-0100	32	Brushless 100W	(MTB-010-...)	AM-6E-32-0100	32	Brushless 100W	(MTB-010-...)
FM-6E-32-0023	32	Stepper NEMA23	(MTS-23-...)	AM-6E-32-0023	32	Stepper NEMA23	(MTS-23-...)
FM-6E-40-0400	40	Brushless 100W	(MTB-040-...)	AM-6E-40-0400	40	Brushless 100W	(MTB-040-...)
FM-6E-40-0023	40	Stepper NEMA23	(MTS-23-...)	AM-6E-40-0023	40	Stepper NEMA23	(MTS-23-...)
FM-6E-50-0400	50	Brushless 100W	(MTB-040-...)	AM-6E-50-0400	50	Brushless 100W	(MTB-040-...)
FM-6E-50-0024	50	Stepper NEMA23	(MTS-24-...)	AM-6E-50-0024	50	Stepper NEMA23	(MTS-24-...)
FM-6E-63-0750	63	Brushless 100W	(MTB-075-...)	AM-6E-63-0750	63	Brushless 100W	(MTB-075-...)
FM-6E-63-0024	63	Stepper NEMA23	(MTS-24-...)	AM-6E-63-0024	63	Stepper NEMA23	(MTS-24-...)

IP65 versions also available

Kit for axial connection (IP65) <b>AR</b>		
	Size	Gearbox
AR-6E-50-R060P	50	GB-060
AR-6E-63-R060P	63	GB-060
AR-6E-80-R080P	80	GB-080
AR-6E-100-R120P	100	GB-120

# Series 5E Electromechanical Axis

Sizes 50, 65, 80

Available versions: standard axis , support axis , reinforced axis

## Technical Data

For full technical data please visit  
<https://store.camozzi.co.uk>



## ACCESSORIES

- ✓ Ex Stock
- ✂ UK Assembly
- 📞 Please Call Sales Office

Reed Switch	Switch Mounting Bracket	Kit to Fix External Sensor	Slot Nut for Sensor CSH	Proximity Switches



Part Number	Availability	Frame Size
<b>Recirculating Ball Screw</b>		
5ES050TBL*	✓	50
5ES065TBL*	✓	65
5ES080TBL*	✓	80

SKR2C01200	Direct Mount	SIS-M5-50/65	PCV-5E-CS	CSH-253
SKR2C01200	Direct Mount	SIS-M5-50/65	PCV-5E-CS	CSH-253
SKR2C01200	Direct Mount	SIS-M5-50/65	PCV-5E-CS	CSH-253

\*Insert stroke length to complete part number

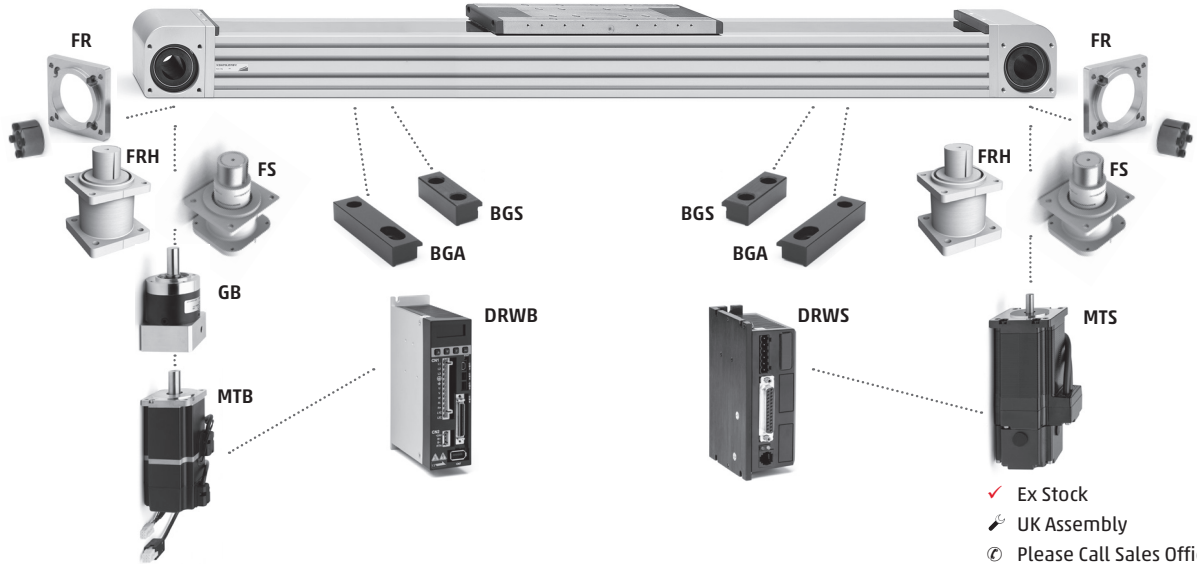
## CODING EXAMPLE

<b>5E</b>	<b>S</b>	<b>050</b>	<b>TBL</b>	<b>0200</b>	<b>A</b>	<b>S</b>	<b>2(500)</b>
-----------	----------	------------	------------	-------------	----------	----------	---------------

<b>5E</b>	SERIES: 5E			<b>0200</b>	STROKE (C): 0050 to 4000mm for size 050 0050 to 6000mm for sizes 065 and 080
<b>S</b>	PROFILE: S = square section			<b>A</b>	VERSION: A = standard axis D = support axis H = reinforced axis (for sizes 65 and 80 only)
<b>050</b>	FRAME SIZE: 050 = 50x50mm 065 = 65x65mm	080 = 80x80mm		<b>S</b>	TYPE OF SLIDER: S = standard L = long - only for standard axis (A version)
<b>TBL</b>	TRANSMISSION: TBL = toothed belt			<b>2(500)</b>	NUMBER OF SLIDERS: 1 = 1 slider 2(____) = 2 sliders at (____) mm step [only for sliders type "S"]

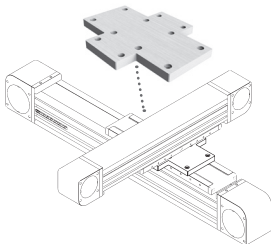
**Note:** All accessories are supplied separately.

Series 5E Accessories

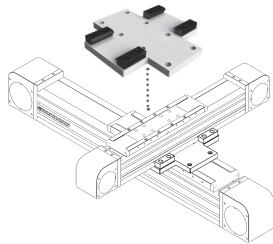


- ✓ Ex Stock
- 🔧 UK Assembly
- 📞 Please Call Sales Office

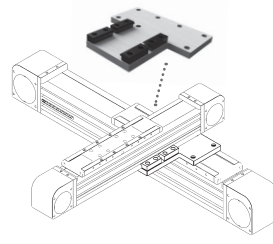
Slide Clamp		Perforated Side Clamp		Gearbox Connection Kit		Enhanced Gearbox Connection		Direct Stepper	
	Size		Size		Size		Size		Size
BGS-5E-M5	50	BGA-5E-M5	50	FR-5E-50	50	FRH-5E-50	50	FS-E5-50-0024	50
BGS-5E-M5	65	BGA-5E-M5	65	FR-5E-65	65	FRH-5E-65	65	FS-E5-65-0024	65
BGS-5E-M5	80	BGA-5E-M5	80	FR-5E-80	80				
BGS-5E-M6	50	BGA-5E-M6	50						
BGS-5E-M6	65	BGA-5E-M6	65						
BGS-5E-M6	80	BGA-5E-M6	80						



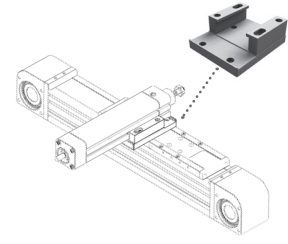
Interface Plate - Slider on Slider		
	∅	
XY-S65-S50	65	
XY-S80-S50	80	
XY-S80-S65	80	



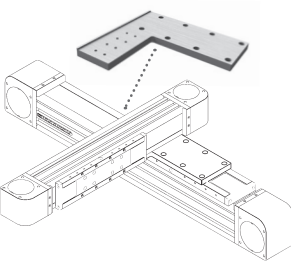
Interface Plate - Profile on Slider		
	∅	
XY-S65-P50	65	
XY-S80-P50	80	
XY-S80-P65	80	



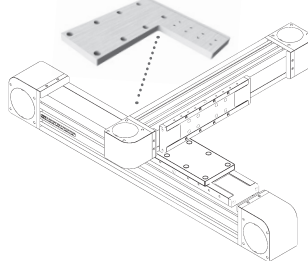
Interface Plate - Profile on Slider Long Arm		
	∅	
XY-S50-P50-T	50	
XY-S65-P50-T	65	
XY-S65-P65-T	65	
XY-S80-P50-T	80	
XY-S80-P65-T	80	
XY-S80-P80-T	80	



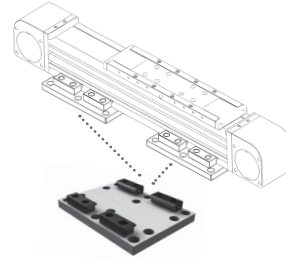
Interface Plate - Cylinder on Slider		
	∅	
XY-S50-6E32	50	
XY-S65-6E32	65	
XY-S65-6E40	65	
XY-S65-6E50	65	
XY-S80-6E32	80	
XY-S80-6E40	80	
XY-S80-6E50	80	
XY-S80-6E63	80	



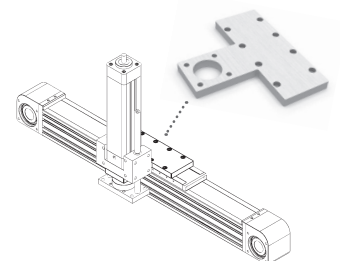
Interface Plate - Profile side on Slider Left Position		
	∅	
XY-S50-LL50	50	
XY-S65-LL50	65	
XY-S65-LL65	65	
XY-S80-LL50	80	
XY-S80-LL65	80	
XY-S80-LL80	80	



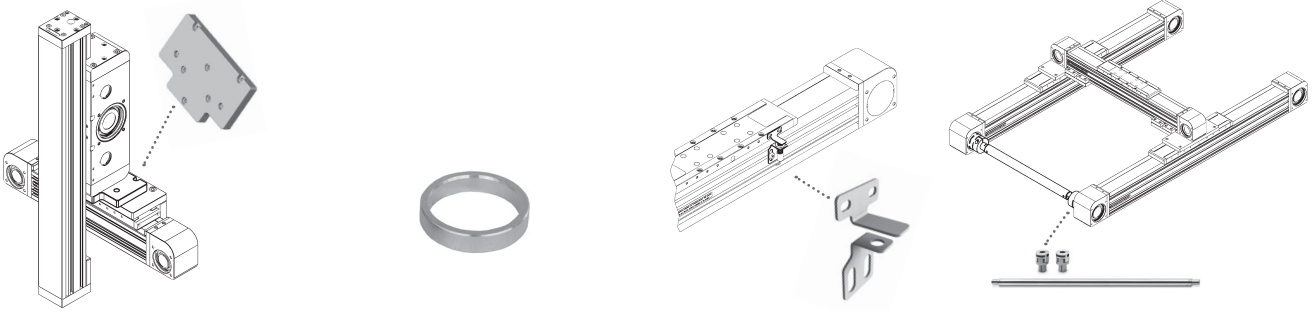
Interface Plate - Profile side on Slider Right Position		
	∅	
XY-S50-LR50	50	
XY-S65-LR50	65	
XY-S65-LR65	65	
XY-S80-LR50	80	
XY-S80-LR65	80	
XY-S80-LR80	80	



Fixed Interface Plate		
	∅	
X-P50	50	
X-P65	65	
X-P80	80	



Anti-rotation Interface Plate		
	∅	
XY-S50-45N32	50	
XY-S65-45N32	65	
XY-S65-45N40	65	
XY-S65-45N50	65	
XY-S80-45N40	80	
XY-S80-45N50	80	
XY-S80-45N63	80	



5E / 5V Connection Flange			Centering Ring Series TR-CG			Kit to Fix the Inductive Sensor			Parallel Connection Kit		
	∅			M (h8)			∅			∅	
YZ-50-5V50	50	∅	TR-CG-04	∅4	∅	SIS-M5-50/65	50-65	∅	PS-5E-50-0000	50	∅
YZ-65-5V50	65	∅	TR-CG-05	∅5	∅	SIS-M8-65	65	∅	PS-5E-60-0000	65	∅
YZ-65-5V65	65	∅	TR-CG-06	∅6	∅	SIS-M5-80	80	∅	PS-5E-80-0000	80	∅
YZ-80-5V50	80	∅	TR-CG-08	∅8	∅	SIS-M8-80	80	∅			
YZ-80-5V65	80	∅	TR-CG-10	∅10	∅						
YZ-80-5V80	80	∅	TR-CG-12	∅12	∅						

## Series 5V Vertical Electromechanical Axis

Sizes 50, 63, 80



Technical Data

For full technical data please visit  
<https://store.camozzi.co.uk>



### ACCESSORIES

- ✓ Ex Stock
- ✚ UK Assembly
- ⊙ Please Call Sales Office

Part Number	Availability	Frame Size
5VS050TBL*	✓	50x50mm
5VS065TBL*	✓	65x65mm
5VS080TBL*	✓	80x80mm

\*Insert stroke length to complete part number

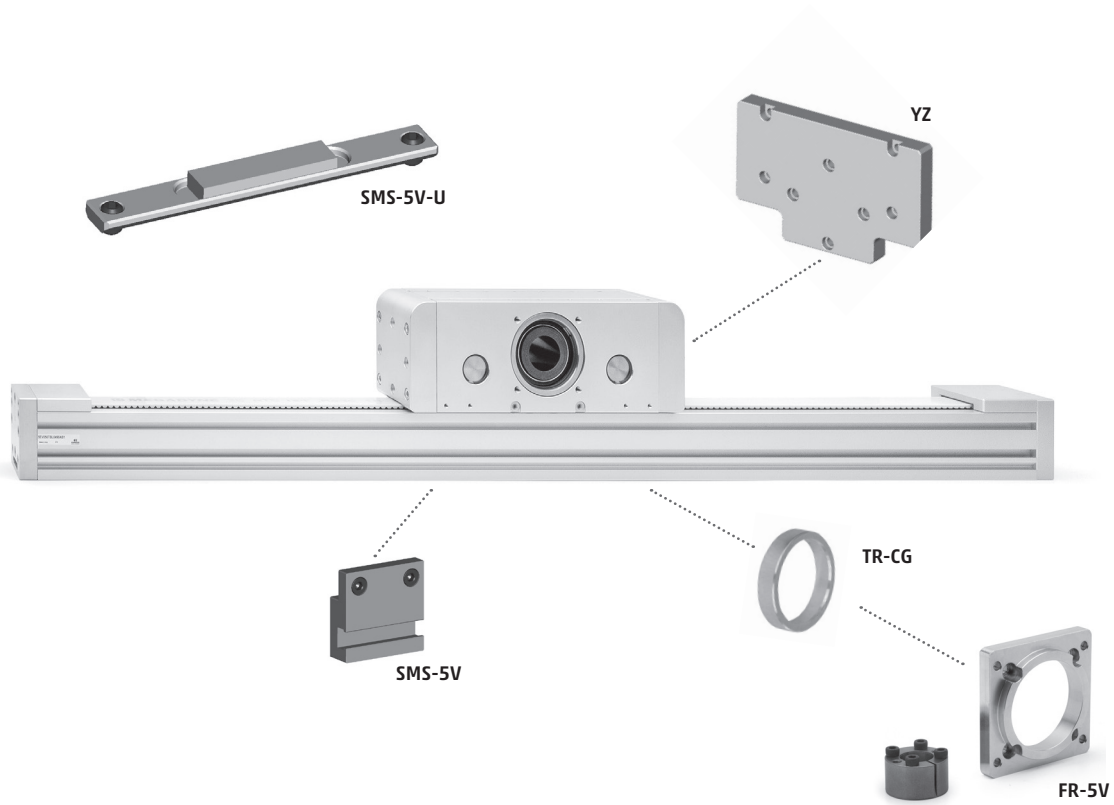
Reed Switch	Proximity Swiches
SKR2C01200	CSH-253
SKR2C01200	CSH-253
SKR2C01200	CSH-253

### CODING EXAMPLE

<b>5V</b>	<b>S</b>	<b>050</b>	<b>TBL</b>	<b>0200</b>	<b>A</b>	<b>S</b>	<b>1</b>
-----------	----------	------------	------------	-------------	----------	----------	----------

<b>5V</b>	SERIES: 5V						
<b>S</b>	PROFILE: S = Square section	<b>0200</b>	STROKE (C): 0050 - 1500mm	<b>1</b>	NUMBER OF SLIDERS: 1 = 1 Slider		
<b>050</b>	FRAME SIZE: 050 = 50x50mm 065 = 65x65mm 080 = 80x80mm	<b>A</b>	VERSION: A = Standard	TYPE OF END CAP: = Standard SA = Shock absorber integrated			
<b>TBL</b>	TRANSMISSION: TBL = toothed belt	<b>S</b>	TYPE OF SLIDERS: S = Standard				

Series 5V Accessories



ELECTRIC ACTUATION



Main



Section

- ✓ Ex Stock
- ✂ UK Assembly
- 📞 Please Call Sales Office

Kit to Connect the Gearbox	FR-5V	Magnet Kit	SMS-5V-U	Sensor Holder Kit	SMS-5V	Centering Ring	TR-CG
	Size				Size		M (h8)
FR-5V-50	50 ✓	SMS-5V-U	✓	SMS-5V-50	50 ✓	TR-CG-04	Ø4 ✓
FR-5V-65	65 ✓			SMS-5V-65/80	65/80 ✓	TR-CG-05	Ø5 ✓
FR-5V-80	80 ✓					TR-CG-06	Ø6 ✓
						TR-CG-08	Ø8 ✓
						TR-CG-10	Ø10 ✓
						TR-CG-12	Ø12 ✓

5E/5V Connection Flange	YZ
	Ø
YZ-50-5V50	50 ✓
YZ-65-5V50	65 ✓
YZ-65-5V65	65 ✓
YZ-80-5V50	80 ✓
YZ-80-5V65	80 ✓
YZ-80-5V80	80 ✓



# Series DRWB Drives for the Control of Electric Actuation

Drives for Brushless motors,  
sizes in power classes 100, 400, 750, 1000 W

## Technical Data

For full technical data please visit  
<https://store.camozzi.co.uk>



## CODING EXAMPLE

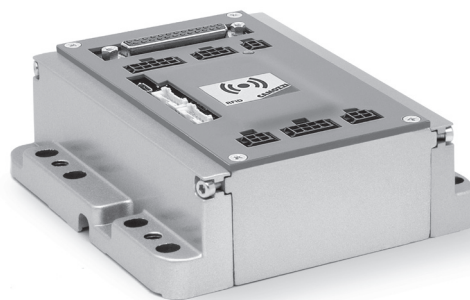
<b>DRWB</b>	-	<b>W01</b>	-	<b>2</b>	-	<b>D</b>	-	<b>E</b>	-	<b>A</b>
<b>DRWB</b> SERIES: DRWB				<b>2</b> SUPPLY: 2 = 220 V AC				<b>E</b> FEEDBACK: E = incremental encoder 13 bit		
<b>W01</b> SIZE W: W01 = 100 W W04 = 400 W W07 = 750 W W10 = 1000 W						<b>D</b> COMMUNICATION: D = Digital I/O and Analog				<b>A</b> VERSIONS: A = Standard

# Series DRCS Drives for Stepper Motors

One-size full digital drives  
with WLAN system and NFC integrated

## Technical Data

For full technical data please visit  
<https://store.camozzi.co.uk>

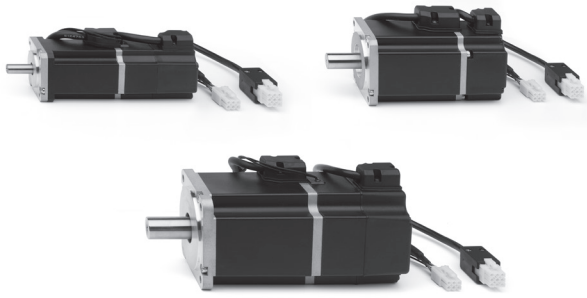


## CODING EXAMPLE

<b>DRCS</b>	-	<b>A05</b>	-	<b>8</b>	-	<b>D</b>	-	<b>0</b>	-	<b>A</b>
<b>DRCS</b> SERIES: DRCS				<b>8</b> SUPPLY: 8 = 48 V DC				<b>0</b> FEEDBACK: 0 = Feedback		
<b>A05</b> SIZE AT MAX CURRENT: A05 = 7 A						<b>D</b> COMMUNICATION: D = Digital I/O and impulse frequency C = CANopen, Digital I/O and impulse frequency				<b>A</b> VERSIONS: A = Standard B = WLAN BL - BLE

# Series MTB Motors for Electric Actuation

Brushless motors in power classes 100, 400, 750, 1000 W



### Technical Data

For full technical data please visit  
<https://store.camozzi.co.uk>

### CODING EXAMPLE

<b>MTB</b>	-	<b>010</b>	-	<b>2</b>	-	<b>0</b>	-	<b>E</b>
<b>MTB</b> SERIES: MTB				<b>2</b> SUPPLY: 2 = 220V DC				<b>E</b> ENCODER: E = incremental 13 bit
<b>010</b> POWER: 010 = 100 W 040 = 400 W 075 = 750 W 100 = 1000 W				<b>0</b> BRAKE: 0 = without brake F = with brake				VERSIONS: = Standard P = IP65



Main



Section

# Series MTS Motors for Electric Actuation

Stepper motors with Nema 23, 24, 34 Fixing Flange



### Technical Data

For full technical data please visit  
<https://store.camozzi.co.uk>

### CODING EXAMPLE

<b>MTS</b>	-	<b>23</b>	-	<b>18</b>	-	<b>060</b>	-	<b>0</b>	-	<b>0</b>	-	<b>S</b>	-	<b>C</b>
<b>MTS</b> SERIES: MTS								<b>0</b> ELECTRICAL CONNECTION: 0 = connector						
<b>23</b> MOTOR SIZE FLANGE CONNECTION: 23 = Nema 23 24 = Nema 24 34 = Nema 34								<b>0</b> BRAKE: 0 = without brake F = with brake						
<b>18</b> RESOLUTION IN DEGREES PER REVOLUTION: 18 = 1.8° per step								<b>S</b> ENCODER VARIANTS: S = single shaft without encoder E = single shaft with encoder						
<b>060</b> TORQUE: 060 = 0.6 Nm with Nema 23 only 120 = 1.2 Nm with Nema 23 IP65 only 250 = 2.5 Nm with Nema 24 only 701 = 7.1 Nm with Nema 34 only								<b>C</b> MECHANICAL SHAFT VARIANTS: C = cylindrical shaft						
														VERSIONS: = Standard P = IP65

Note: All accessories are supplied separately.

# Series GB Planetary Gearboxes

Available Sizes: 40, 60, 80, 120



## Technical Data

For full technical data please visit  
<https://store.camozzi.co.uk>

### CODING EXAMPLE

<b>GB</b>	-	<b>040</b>	-	<b>03</b>	-	<b>D</b>	-	<b>0100</b>
<b>GB</b>	GEARBOX		<b>03</b>	REDUCTION RATIO: 03 i = 3 05 i = 5 07 i = 7 10 i = 10		<b>0100</b>	PREPARATION OF THE MOTOR: 0100 = Brushless 100W (size 040 only) 0400 = Brushless 400W (size 060 only) 0750 = Brushless 750W (size 080 only) 1000 = Brushless 1000W (size 120 only) 0024 = Nema 24	
<b>040</b>	SIZE: 040 = Ø40 060 = Ø60 080 = Ø80 120 = Ø120		<b>D</b>	TYPE: D = straight A = angular				



Main



Section

# Series CO Motion Transmission Devices

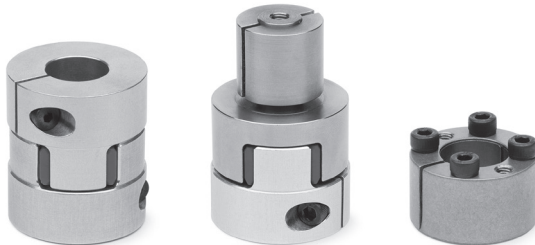
Model COE: Elastomer coupling with clamps

Model COS: Elastomer coupling with expansion shaft

Model COT: Self-centering locking-set

## Technical Data

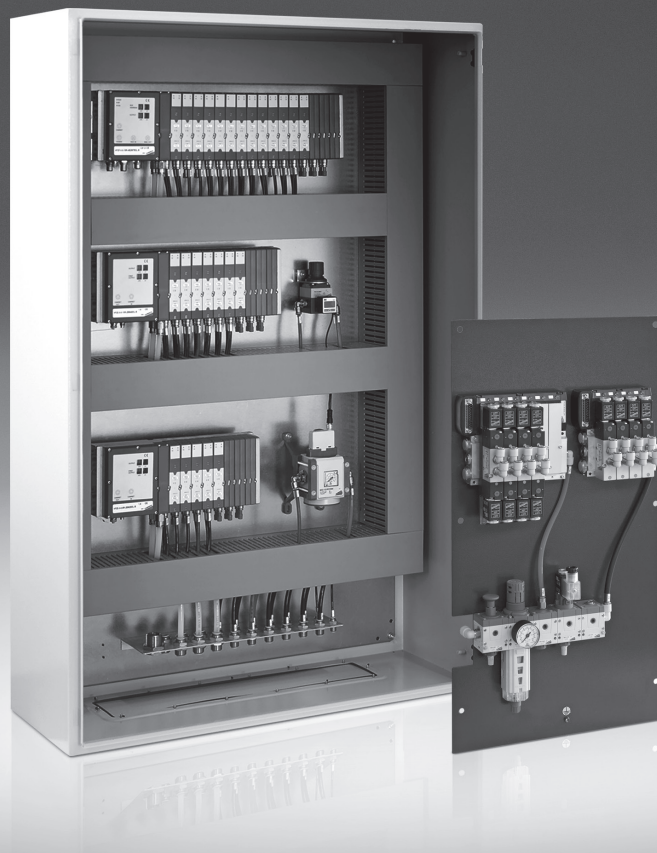
For full technical data please visit  
<https://store.camozzi.co.uk>



### CODING EXAMPLE

<b>COE</b>	-	<b>10</b>	-	<b>1200</b>	-	<b>1400</b>	-	<b>A</b>
<b>COE</b>	SERIES: COE		<b>1200</b>	HOLE DIAMETER 1: 0635 = 6.35 mm (for sizes 5 and 10 only) 0800 = 8.00 mm (for sizes 5 and 10 only) 1000 = 10.00 mm (for sizes 5 and 10 only) 1100 = 11.00 mm (for size 5 only) 1200 = 12.00 mm (for sizes 10 and 20 only) 1400 = 14.00 mm (for sizes 10, 20 and 60 only) 1500 = 15.00 mm (for sizes 10 and 20 only)		1600 = 16.00 mm (for sizes 10, 20 and 60 only) 1900 = 19.00 mm (for sizes 20 and 60 only) 2000 = 20.00 mm (for sizes 20 and 60 only) 2400 = 24.00 mm (for sizes 20 and 60 only) 2500 = 25.00 mm (for size 60 only) 3200 = 32.00 mm (for size 60 only)		
<b>10</b>	SIZE: 05 10 20 60		<b>1400</b>	HOLE DIAMETER 2: 0635 = 6.35mm (for sizes 5 and 10 only) 0800 = 8.00mm (for sizes 5 and 10 only) 1000 = 10.00mm (for sizes 5 and 10 only) 1100 = 11.00mm (for size 5 only) 1200 = 12.00mm (for sizes 10 and 20 only) 1400 = 14.00mm (for sizes 10, 20 and 60 only) 1500 = 15.00mm (for sizes 10 and 20 only)		1600 = 16.00mm (for sizes 10, 20 and 60 only) 1900 = 19.00mm (for sizes 20 and 60 only) 2000 = 20.00mm (for sizes 20 and 60 only) 2400 = 24.00mm (for sizes 20 and 60 only) 2500 = 25.00mm (for size 60 only) 3200 = 32.00mm (for size 60 only)		
			<b>A</b>	ELASTOMER HARDNESS: A = 98 Sh A B = 64 Sh A (for sizes 10 and 20 only)				

## **CUSTOMISED SOLUTIONS FOR PNEUMATIC AUTOMATION**



In addition to individual components, Camozzi can supply complete bespoke solutions. Our pre-assembled kits not only enable easy ordering through a single part number, they also arrive ready to perform, so no time is lost in gathering individual components together.





By working closely in union with our customers, we can devise and build special products which are fully tested prior to despatch.

Control cabinets and systems are another Camozzi specialist area, we can integrate electrical and pneumatic components in compact designs, ensuring full compliance with industry standards.

**Pre-Assembled Kits**  
**Special Products**  
**Control Cabinets and Systems**

# Handling & Vacuum







## 1 Grippers

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## Series CGAN Angular Grippers

New

## Series CGSY Radial Grippers 180° Opening

New

Double acting, magnetic, self centering

Ø 10, 16, 20, 25, 32 mm

Technical Data  
Operating Pressure  
2 bar to 8 bar  
Operating Temperature  
5°C to 60°C.

**CODING EXAMPLE**

<b>CGAN</b>	-	<b>20</b>	-	<b>EX</b>
<b>CGAN</b>	SERIES: CGAN			
<b>20</b>	SIZES: 10 = Ø10mm 16 = Ø16mm 20 = Ø20mm 25 = Ø25mm 32 = Ø32mm			
<b>EX</b>	Add EX to order the certified ATEX version			



Double acting, magnetic, self-centering

Ø 10, 16, 20, 25 mm

Technical Data  
Operating Pressure  
2 bar to 8 bar  
Operating Temperature  
5°C to 60°C.

**CODING EXAMPLE**

<b>CGSY</b>	<b>16</b>	<b>EX</b>
<b>CGSY</b>	SERIES: CGSY	
<b>16</b>	SIZES: 10 = Ø10mm 16 = Ø16mm 20 = Ø20mm 25 = Ø25mm	
<b>EX</b>	Add EX to order the certified ATEX version	



HANDLING & VACUUM

## Series CGP Parallel Grippers

Magnetic

Ø 10, 16, 20, 25, 32 mm

Technical Data  
Operating Pressure  
1.5 bar to 7 bar  
Operating Temperature  
0°C to 80°C.

**CODING EXAMPLE**

<b>CGP</b>	-	<b>20</b>
<b>CGP</b>	SERIES: CGP	
<b>20</b>	SIZES: 10 = Ø10mm 16 = Ø16mm 20 = Ø20mm 25 = Ø25mm 32 = Ø32mm	



## Series CGPT Parallel Grippers

Magnetic

Ø 16, 20, 25, 32, 40 mm

Technical Data  
Operating Pressure  
2 to 8 bar (double-acting)  
4 to 8 bar (single-acting)  
Operating Temperature  
5°C to 60°C (standard)  
-5°C to 150°C (high temperature version)

**CODING EXAMPLE**

<b>CGPT</b>	-	<b>16</b>	-	<b>NC</b>	-	<b>W</b>	<b>EX</b>
<b>CGPT</b>	SERIES: CGPT	<b>NC</b>	FUNCTIONING: = double acting NO = single acting, normally open NC = single acting, normally closed	<b>W</b>	VERSION: = standard W = high temperatures (150°C) - not magnetic	<b>EX</b>	Add EX to order the certified ATEX version
<b>16</b>	BORES: 10 = Ø10mm 16 = Ø16mm 20 = Ø20mm 25 = Ø25mm 32 = Ø32mm 40 = Ø40mm						



Main



Section

## Series CGPS Self-Centering Parallel Grippers with Double Ball Bearing Guide

Single-acting and double-acting, magnetic, self-centering  
Ø10, 16, 20, 25 mm

Technical Data  
Operating Pressure  
2 to 8 bar (double-acting)  
4 to 8 bar (single-acting)  
Operating Temperature  
5°C to 60°C. (standard)  
5°C to 150°C (high temperature version)



**CODING EXAMPLE**

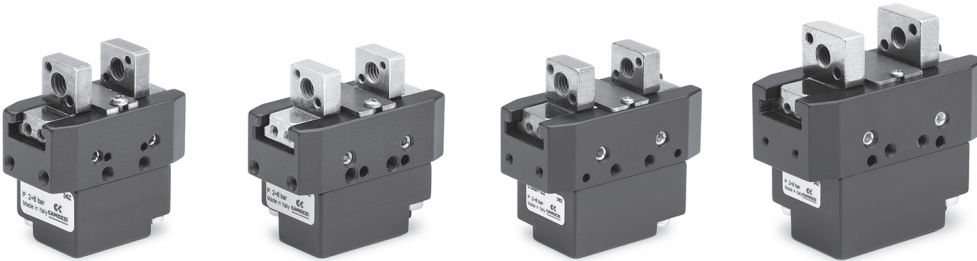
<b>CGPS</b>	-	<b>L</b>	-	<b>16</b>	-	<b>NO</b>	-	<b>W</b>	<b>EX</b>		
<b>CGPS</b>	SERIES: CGPS	<b>16</b>	BORES: 10, 16, 20, 25, 32	<b>W</b>	VERSION: = standard W = high temperatures (150°C)	<b>L</b>	DESIGN TYPE: L = Long finger F = Flat finger	<b>NO</b>	FUNCTIONING: = double acting NO = single acting, normally open NC = single acting, normally closed	<b>EX</b>	Add EX to order the certified ATEX version

**New**

# Series CGSP Compact Self-Centering Parallel Grippers

Single and double acting, magnetic, self-centering  
 Sizes: 20, 25, 32, 40

Technical Data  
**Operating Temperature**  
 5°C to 60°C



**CODING EXAMPLE**

<b>CGSP</b>	-	<b>20</b>	-	<b>NC</b>	-	<b>EX</b>
<b>CGSP</b> SERIES: CGSP			<b>NC</b> FUNCTIONING: = double acting NO = single acting, normally open NC = single acting, normally closed	<b>EX</b> VERSIONS: = standard EX = ATEX certified		
<b>020</b> SIZES: 20 25 32 40						

# Series CGLN Wide Opening Parallel Grippers

Magnetic  
 Ø 10, 16, 20, 25, 32 mm

Technical Data  
**Operating Pressure**  
 2 to 8 bar (3 - 8 bar for Ø10)  
**Operating Temperature**  
 5°C to 60°C



**CODING EXAMPLE**

<b>CGLN</b>	-	<b>20</b>	-	<b>040</b>
<b>CGLN</b> SERIES: CGLN			<b>040</b> STROKE: 020 = Ø20mm 030 = Ø30mm 040 = Ø40mm 050 = Ø50mm 060 = Ø60mm 070 = Ø70mm 080 = Ø80mm 100 = Ø100mm 120 = Ø120mm 160 = Ø160mm	
<b>20</b> VERSION: 10 = Ø10mm 16 = Ø16mm 20 = Ø20mm 25 = Ø25mm 32 = Ø32mm				

# Series CGZT Three-Jaw Grippers with T-Guide

Single and double acting, magnetic, self-centering  
 Sizes: 40, 50, 64, 80, 100, 125, 160 mm

Technical Data  
**Operating Pressure**  
 2 to 8 bar (Double acting)  
 4 to 8 bar (Single acting)  
**Operating Temperature**  
 5°C to 60°C (standard)  
 -5°C to 130°C (high temperature version)



**CODING EXAMPLE**

<b>CGZT</b>	-	<b>050</b>	-	<b>NC</b>	-	<b>W</b>	<b>EX</b>
<b>CGZT</b> SERIES: CGZT			<b>NC</b> FUNCTIONING: = double acting NO = single acting, normally open NC = single acting, normally closed	<b>EX</b> Add EX to order the certified ATEX version			
<b>50</b> SIZES: 040 = Ø25 050 = Ø33 064 = Ø43 080 = Ø54 100 = Ø76 125 = Ø96 160 = Ø125			<b>W</b> VERSION: = standard W = high temperatures (150°C) - not magnetic				

HANDLING & VACUUM



**New**

**New**

# Series CGCN Self-Centering Three-Jaw Grippers with T-guide

Magnetic, Double Acting  
Ø 50, 64, 80, 100, 125 mm

Technical Data  
**Operating Temperature**  
5°C to 60°C  
**Operating Pressure**  
2 bar to 8 bar



**CODING EXAMPLE**

<b>CGCN</b>	-	<b>050</b>	-	<b>EX</b>
<b>CGCN</b> SERIES: CGCN		<b>050</b> SIZES: 050= Ø32 064= Ø45 080= Ø54 100= Ø76 125= Ø96		<b>EX</b> VERSIONS: = standard EX = ATEX certified

HANDLING & VACUUM



## Series RPGA Sprue Grippers - Size 20mm

## Series RPGB Sprue Grippers - Size 8-12mm



Technical Data  
**Operating Pressure**  
2.5 to 8 bar  
**Operating Temperature**  
0°C to 60°C.



Technical Data  
**Operating Pressure**  
2.5 to 8 bar  
**Operating Temperature**  
0°C to 60°C.

**CODING EXAMPLE**

<b>RPGA</b>	-	<b>20</b>	-	<b>A</b>
<b>RPGA</b> SERIES: RPGA		<b>A</b> TYPE OF CONSTRUCTION: A = Flat Finger B = Curved Finger C = Short Finger with holes for extra jaws D = Flat Finger for sensor E = Curved Finger for sensor		
<b>20</b>		SIZE: 20 = Ø20mm		

**CODING EXAMPLE**

<b>RPGB</b>	-	<b>12</b>	-	<b>A</b>
<b>RPGB</b> SERIES: RPGB		<b>A</b> TYPE OF CONSTRUCTION: A = Flat Finger C = Short Finger with holes for extra jaws D = Flat Finger with sensor mounted (mod. CSD-362)		
<b>12</b>		VERSION: 08 = Ø8mm 12 = Ø12mm		

## Series VTCF Flat Suction Pads (round)

Diameters from 3.5 to 95 mm with thread size M3, M5, 1/8, 1/4, both male and female.



## Series VTOF Flat Suction Pads (oval)

Diameters from 7x3.5 to 60x20 mm with thread size M3, M5, 1/8, 1/4, both male and female.





## Series VTCL (1.5 folds) Bellows Suction Pads (round)

Diameters from 11 to 53 mm with thread size M5, 1/8, 1/4, both male and female.



## Series VTCN (2.5 folds) Bellows Suction Pads (round)

Diameters from 5 to 52 mm with thread size M5, 1/8, 1/4, both male and female.



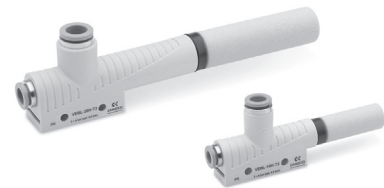
## Series VEB Basic Ejectors

Version "L" for porosive workpieces, version "H" for high vacuum valve.



## Series VEBL Basic Ejectors

Different sizes available, with internal nozzle from 0.5 to 2.5mm and with suction rate from 8 to 207 l/min.



## Series VED Inline Ejectors

Vacuum ejectors without moving parts, based on the Venturi principle, used for direct installation on suction pads.



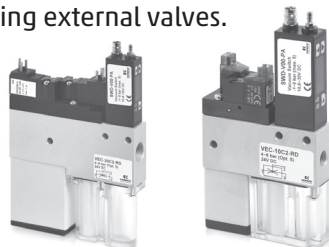
## Series VEDL Inline Ejectors

Available in two sizes with internal nozzle of 0.5 and 0.7mm and with suction rate from 8 to 16 l/min.



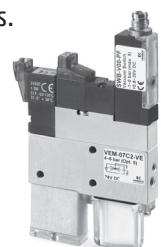
## Series VEC Compact Ejectors

Possibility to command suction and blow-off individually without using external valves.



## Series VEM Compact Ejectors

Possibility to command suction and blow-off individually without using external valves.



## Series NPF Flexible Suction Pad Mountings

Thread 1/4.



## Series NPM - NPR Spring Plungers (non rotating)




Thread size M3, M5, 1/8, 1/4, plunger stroke length from 5 to 75mm.













# Valves and Solenoid Valves

VALVES AND SOLENOID VALVES INDEX








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# Series P Directly Operated Mini-Solenoid Valves - 15mm

3/2 Way N.C. or N.O.

Connection: M5 (for single base), ø3mm and ø4mm cartridge (for manifolds).

ISO 15218 Interface

The Camozzi range of Series P Directly Operated Mini-Solenoid Valves can work with dry or lubricated air.

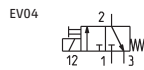
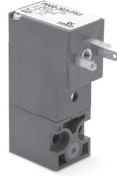


Main



Section

## 3/2-way NC Solenoid Valves



- ✓ Ex Stock
- 🔧 UK Assembly
- 📞 Please Call Sales Office

Part Number	Availability	Function	Symbol	Flow Rate (NI/min) (6 bar ΔP 1 bar)	Operating Pressures (Bar)
P000-301-P53	✓	3 way NC	EV04	14	0-10
P000-303-P53	✓	3 way NC	EV04	35	0-7
P000-305-P53	✓	3 way NC	EV04	25	0-10
P000-306-P53	✓	3 way NC	EV04		0-3

### Technical Data

#### Media

Filtered air, inert gas

#### Operating Temperature

0°C to +50°C

Full Data Sheet and Dimensions at  
<https://store.camozzi.co.uk>

### ACCESSORIES

SOLENOID DIN CONNECTORS  
WITH MOULDED CABLE (3M)



MD134000PA01300

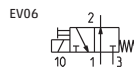
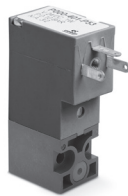
MD134000PA01300

MD134000PA01300

MD134000PA01300

For more connector options, including LED versions please see page 134-137

## 3/2-way NO Solenoid Valves



Part Number	Availability	Function	Symbol	Flow Rate (NI/min) (6 bar ΔP 1 bar)	Operating Pressures (Bar)
P000-405-P53	✓	3 way NO	EV06	15	0-10
P000-403-P53	✓	3 way NO	EV06	-	0-5

SOLENOID DIN CONNECTORS  
WITH MOULDED CABLE (3M)



MD134000PA01300

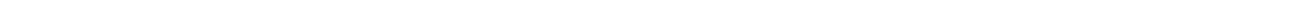
MD134000PA01300

For more connector options, including LED versions please see page 134-137

**CODING EXAMPLE**

<b>P</b>	<b>0</b>	<b>00</b>	<b>-</b>	<b>3</b>	<b>0</b>	<b>3</b>	<b>-</b>	<b>P</b>	<b>5</b>	<b>3</b>
----------	----------	-----------	----------	----------	----------	----------	----------	----------	----------	----------

<b>P</b>	SERIES: P									
<b>0</b>	<b>BODY DESIGN:</b> 0 = single sub-base or interface 1 = single manifold 2 = double sided manifold				<b>3</b> <b>NOMINAL DIAMETER:</b> Nominal Diameter    Max. Pressure 1 = Ø0.8 (1W)    10 bar (NC) 24V only 3 = Ø1.5 (2W)    7 bar (NC) 5 bar (NO) 5 = Ø1.1 NC (2W)    10 bar (NC) Ø0.9 NO (2W)    10 bar (NO) 6 = Ø1.5 NC (2W)    3 bar (NC)* *Voltage tolerance +10% -25%					
<b>00</b>	<b>N° OF SEGMENTS:</b> 00 = interface 01 = single base (M5 only) 02-99 = manifold number of positions				<b>P</b> <b>MATERIAL:</b> P = technopolymer PBT body, FKM poppet seal, other seals in NBR (FKM on demand)					
<b>3</b>	<b>N° OF CONNECTIONS AND FUNCTIONS:</b> 0 = manifold or single base 3 = 3-ways N.C. 4 = 3-ways N.O. 5 = 3-ways N.C. electric part revolved by 180° 6 = 3-ways N.O. electric part revolved by 180°				<b>5</b> <b>SOLENOID DIMENSION:</b> 5 = 3 faston size 9.4mm					
<b>0</b>	<b>CONNECTIONS:</b> 0 = interface (for single valve only) <b>MANIFOLD CONNECTIONS</b> (for series W, P and PN): 2 = M5 side connection 3 = Ø3 tube side connection 4 = Ø4 tube side connection 6 = M5 rear connection 7 = Ø3 tube rear connection 8 = Ø4 tube rear connection				<b>3</b> <b>SOLENOID VOLTAGE:</b> B = 24V    50/60 Hz - on request C = 48V    50/60 Hz - on request D = 110V    50/60 Hz - on request 2 = 12V    DC - on request 3 = 24V    DC - Standard 4 = 48V    DC - on request 6 = 110V    DC - on request					



**Manifolds**

- ✓ Ex Stock
- 🔧 UK Assembly
- 📞 Please Call Sales Office

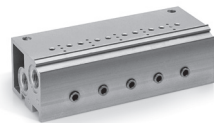
Single manifold rear outlets



\*7= Ø3  
\*8= Ø4

M5 available on request

Single manifold front outlets



\*3= Ø3  
\*4= Ø4

M5 available on request

Double-sided manifold rear outlets



\*7= Ø3  
\*8= Ø4

M5 available on request

Double-sided manifold front outlets



\*3= Ø3  
\*4= Ø4

M5 available on request

Part Number	Availability	Part Number	Availability	Part Number	Availability	Part Number	Availability
P102-0* (2 valves)	📞	P102-0* (2 valves)	📞	P204-0* (4 valves)	📞	P204-0* (4 valves)	📞
P103-0* (3 valves)	📞	P103-0* (3 valves)	📞	P206-0* (6 valves)	📞	P206-0* (6 valves)	📞
P104-0* (4 valves)	📞	P104-0* (4 valves)	📞	P208-0* (8 valves)	📞	P208-0* (8 valves)	📞
P105-0* (5 valves)	📞	P105-0* (5 valves)	📞	P210-0* (10 valves)	📞	P210-0* (10 valves)	📞
P106-0* (6 valves)	📞	P106-0* (6 valves)	📞	P212-0* (12 valves)	📞	P212-0* (12 valves)	📞



Part Number	Availability	Thread	Part Number	Availability	Thread
P001-02	✓	M5 Ports	P000-TP	✓	M5 Ports



# Series A Directly Operated Solenoid Valves

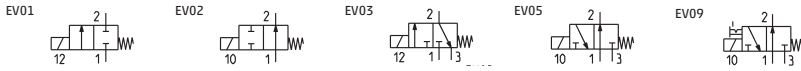
2/2-way - Normally Closed (NC) and Normally Open (NO)  
3/2-way - Normally Closed (NC) and Normally Open (NO)

The Camozzi range of Series A Directly Operated Solenoid Valves can be used with dry or lubricated air.

## 2/2 and 3/2-way solenoid valves A32 and A33



**Technical Data**  
**Media**  
Filtered air, inert gas  
**Operating Temperature**  
0°C to +60°C  
(with dry air -20°C)  
Full Data Sheet and Dimensions at  
<https://store.camozzi.co.uk>



- ✓ Ex Stock
- 🔧 UK Assembly
- 📞 Please Call Sales Office

Part Number	Availability	Thread	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)		
						Sol. 3W	Sol. 4-5W	Sol. 3.5VA
A321-0C2-*	✓	M5	2/2 N.C.	EV01	50	-0.9 - 8	-0.9 - 15	-0.9 - 15
A321-1C2-*	✓	1/8	2/2 N.C.	EV01	55	-0.9 - 8	-0.9 - 15	-0.9 - 15
A321-1D2-*	✓	1/8	2/2 N.C.	EV01	100	-0.9 - 4	-0.9 - 9	-0.9 - 9
A321-1E2-*	✓	1/8	2/2 N.C.	EV01	130	-0.9 - 1	-0.9 - 6	-0.9 - 6
A322-0C2-*	✓	M5	2/2 N.O.	EV02	70	2 - 10	-0.9 - 10	-0.9 - 10
A322-1C2-*	✓	1/8	2/2 N.O.	EV02	80	2 - 10	-0.9 - 10	-0.9 - 10
A331-0C2-*	✓	M5	3/2 N.C.	EV03	50	2 - 10	-0.9 - 10	-0.9 - 10
A331-1C2-*	✓	1/8	3/2 N.C.	EV03	60	2 - 10	-0.9 - 10	-0.9 - 10
A332-0C2-*	✓	M5	3/2 N.O.	EV09	55	-0.9 - 7	-0.9 - 7	-0.9 - 7
A332-1C2-*	✓	1/8	3/2 N.O.	EV09	50	-0.9 - 7	-0.9 - 7	-0.9 - 7
A333-0C2-*	✓	M5	3/2 N.O.	EV05	60	-0.9 - 7	-	-0.9 - 10
A333-1C2-*	✓	1/8	3/2 N.O.	EV05	60	-0.9 - 7	-	-0.9 - 10

\*Coil sold separately, see page opposite for voltage options (U7 Solenoid Coils)

## ACCESSORIES

SOLENOID COILS	CONNECTOR WITH 3M CABLE	STRAIGHT CONNECTION	ELBOW FITTING
----------------	-------------------------	---------------------	---------------



U7*	MB135000PA05300	6512 4-M5	6522 4-M5
U7*	MB135000PA05300	6512 6-1/8	6522 6-1/8
U7*	MB135000PA05300	6512 6-1/8	6522 6-1/8
U7*	MB135000PA05300	6512 6-1/8	6522 6-1/8
U7*	MB135000PA05300	6512 4-M5	6522 4-M5
U7*	MB135000PA05300	6512 6-1/8	6522 6-1/8
U7*	MB135000PA05300	6512 4-M5	6522 4-M5
U7*	MB135000PA05300	6512 6-1/8	6522 6-1/8
U7*	MB135000PA05300	6512 4-M5	6522 4-M5
U7*	MB135000PA05300	6512 6-1/8	6522 6-1/8

For more connector options, including LED versions please see page 134-137

## 3/2-way solenoid valves AA31 and AA33



Part Number	Availability	In/Out	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)		
						Sol. 3W	Sol. 4-5W	Sol. 3.5VA
AA31-0C2-*	✓	1/8-M5	3/2 N.C.	EV08	55	2 - 10	-0.9 - 10	-0.9 - 10
AA31-CC2-*	✓	1/8-Ø4	3/2 N.C.	EV08	55	2 - 10	-0.9 - 10	-0.9 - 10
AA31-0C3-*	✓	1/8-M5	3/2 N.C.	EV08	55	2 - 8	-0.9 - 8	-0.9 - 8
AA31-CC3-*	✓	1/8-Ø4	3/2 N.C.	EV08	55	2 - 8	-0.9 - 8	-0.9 - 8
AA33-0C2-*	✓	1/8-M5	3/2 N.O.	EV05	55	-0.9 - 7	-	-0.9 - 10
AA33-CC2-*	✓	1/8-Ø4	3/2 N.O.	EV05	55	-0.9 - 7	-	-0.9 - 8
AA33-0C3-*	✓	1/8-M5	3/2 N.O.	EV05	65	-0.9 - 7	-	-0.9 - 8
AA33-CC3-*	✓	1/8-Ø4	3/2 N.O.	EV05	65	-0.9 - 7	-	-0.9 - 8

\*Coil sold separately, see page opposite for voltage options (U7 Solenoid Coils)

SOLENOID COILS	CONNECTOR WITH 3M CABLE	STRAIGHT CONNECTION	INLET FITTING
----------------	-------------------------	---------------------	---------------



U7*	MB135000PA05300	6512 4-M5	6522 4-M5
U7*	MB135000PA05300	6512 6-1/8	6522 6-1/8
U7*	MB135000PA05300	6512 6-1/8	6522 6-1/8
U7*	MB135000PA05300	6512 6-1/8	6522 6-1/8
U7*	MB135000PA05300	6512 6-1/8	6522 6-1/8
U7*	MB135000PA05300	6512 6-1/8	6522 6-1/8
U7*	MB135000PA05300	6512 6-1/8	6522 6-1/8
U7*	MB135000PA05300	6512 6-1/8	6522 6-1/8

For more connector options, including LED versions please see page 134-137

## 3/2-way solenoid valve A33



Part Number	Availability	In/Out	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)		
						Sol. 3W	Sol. 4-5W	Sol. 3.5VA
A331-3C2-*	✓	M5-1/8	3/2 N.C.	EV03	55	2 - 10	-0.9 - 10	-0.9 - 10
A331-4C2-*	✓	M5-1/8	3/2 N.C.	EV08	55	2 - 10	-0.9 - 10	-0.9 - 10

\*Coil sold separately, see page opposite for voltage options (U7 Solenoid Coils)

SOLENOID COILS	CONNECTOR WITH 3M CABLE	STRAIGHT CONNECTION	OUTLET FITTING
----------------	-------------------------	---------------------	----------------

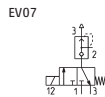


U7*	MB135000PA05300	6512 4-M5	6522 4-M5
U7*	MB135000PA05300	6512 4-M5	6522 4-M5

For more connector options, including LED versions please see page 134-137

The company reserves the right to vary models and dimensions without notice. Products designed for industrial applications. General terms and conditions for sale are available on [www.camozzi.co.uk](http://www.camozzi.co.uk)

### 3/2-way solenoid valve A43



Part Number	Availability	Thread	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)		
						Sol. 3W	Sol. 4-5W	Sol. 3.5VA
A431-1C2-*	✓	1/8	3/2 N.C.	EV07	50	2 - 10	2 - 10	2 - 10

\*Coil sold separately, see below for voltage options (U7 Solenoid Coils)

### ACCESSORIES

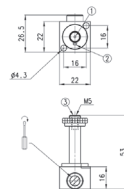
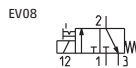
SOLENOID COILS	CONNECTOR WITH 3M CABLE	STRAIGHT CONNECTION	ELBOW FITTING
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U7\* MB135000PA05300 6512 6-1/8 6522 6-1/8

For more connector options, including LED versions please see page 134-137

### 3/2-way solenoid valve A63



Part Number	Availability	Interface	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)		
						Sol. 3W	Sol. 4-5W	Sol. 3.5VA
A631-AC2-*	✓	OR	3/2 N.C.	EV08	40	2 - 10	-0.9 - 10	-0.9 - 10

\*Coil sold separately, see below for voltage options (U7 Solenoid Coils)

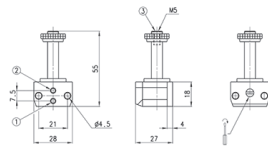
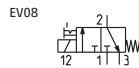
### SOLENOID COILS CONNECTOR WITH 3M CABLE



U7\* MB135000PA05300

For more connector options, including LED versions please see page 134-137

### 3/2-way solenoid valve A53



Part Number	Availability	Interface	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)		
						Sol. 3W	Sol. 4-5W	Sol. 3.5VA
A531-BC2-*	✓	OR	3/2 N.C.	EV08	40	2 - 10	-0.9 - 10	-0.9 - 10

\*Coil sold separately, see below for voltage options (U7 Solenoid Coils)

### SOLENOID COILS CONNECTOR WITH 3M CABLE



U7\* MB135000PA05300

For more connector options, including LED versions please see page 134-137

### CODING EXAMPLE

A	3	3	1	-	0	C	2	-	U	7	7
---	---	---	---	---	---	---	---	---	---	---	---

A	3	3	1	-	0	C	2	-	U	7	7																																
<b>A</b> SERIES:																																											
<b>3</b> BODY DESIGN: 1 = base (24 x 24 mm) interface rotatable through 360° 2 = base (24 x 24 mm) fixed interface 3 = threaded body 4 = rapid exhaust body 5 = base with ISO standard interface, fixed 6 = base (16 x 16 mm) interface rotatable through 360° For other options please contact our sales office.	<b>O</b> CONNECTIONS:								<b>U</b> SOLENOID MATERIAL: G = Nylon U = PET A = PPS H = PA6VO																																		
<b>3</b> N° OF CONNECTIONS: 2 = 2 way    3 = 3 way	<table border="1"> <tr> <td></td> <td>1</td> <td>2</td> <td>3</td> </tr> <tr> <td>0</td> <td>M5</td> <td>M5</td> <td>M5</td> </tr> <tr> <td>1</td> <td>1/8</td> <td>1/8</td> <td>M5</td> </tr> <tr> <td>3</td> <td>M5</td> <td>1/8 male</td> <td>M5</td> </tr> <tr> <td>4</td> <td>M5</td> <td>1/8 male</td> <td>M5 with manual override</td> </tr> <tr> <td>A</td> <td>swivel O-ring interface</td> <td>-</td> <td>M5</td> </tr> <tr> <td>B</td> <td>fixed O-ring interface</td> <td>-</td> <td>M5</td> </tr> <tr> <td>C</td> <td>cartridge Ø4</td> <td>-</td> <td></td> </tr> </table>					1	2	3	0	M5	M5	M5	1	1/8	1/8	M5	3	M5	1/8 male	M5	4	M5	1/8 male	M5 with manual override	A	swivel O-ring interface	-	M5	B	fixed O-ring interface	-	M5	C	cartridge Ø4	-						<b>7</b> SOLENOID DIMENSIONS: 7 = 22 x 22    8 = 30 x 30 9 = 22 x 58		
	1	2	3																																								
0	M5	M5	M5																																								
1	1/8	1/8	M5																																								
3	M5	1/8 male	M5																																								
4	M5	1/8 male	M5 with manual override																																								
A	swivel O-ring interface	-	M5																																								
B	fixed O-ring interface	-	M5																																								
C	cartridge Ø4	-																																									
<b>1</b> FUNCTION: 1 = NC (normally closed)    3 = NO (in line) 2 = NO (normally open)	<b>C</b> NOMINAL DIAMETER: C = Ø1.5    D = Ø2    E = Ø2.5								<b>7</b> SOLENOID VOLTAGE: See page 133																																		
<b>2</b> BODY MATERIAL: 2 = nickel-plated brass    3 = technopolymer																																											

## U7\* Solenoid Coils

Solenoid Voltages U7 (Material = PET)			
U7H	24V	50/60 Hz	3.5VA
	12V	DC	3.1W
U7K	110V	AC 50/60Hz	4.3VA
	125V	AC 50/60Hz	5.5VA

Solenoid Voltages U7 (Material = PET)			
U7J	230V	50/60Hz	3.5VA
	240V	50/60Hz	4VA
U77	24V	DC	5W



For full range of solenoid coils please see page 133

# Series 6 Directly Operated Solenoid Valves

2/2-way - Normally Closed (NC)

3/2-way - Normally Closed (NC), Normally Open (NO)

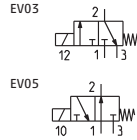
Connection: 1/8, 3/8, Ø4mm cartridge

Available also in version for low temperatures up to -50°C

The Camozzi range of Series 6 Directly Operated Solenoid Valves can be used with dry or lubricated air.

VALVES AND SOLENOID VALVES

## 3/2-way NC and NO solenoid valve, 1/8



Technical Data

**Media**

Filtered air, inert gas

**Operating Temperature**

0°C to 60°C (seals in FKM)  
-50°C TO +50°C (seals in NBR)

Full Data Sheet and Dimensions at  
<https://store.camozzi.co.uk>

- ✓ Ex Stock
- 🔧 UK Assembly
- 📞 Please Call Sales Office

Part Number	Availability	Thread	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	
						Sol. DC	Sol. AC
638-150-A6*	✓	1/8	3 way NC	EV03	130	0-10	-
648-150-A6*	✓	1/8	3 way NO	EV05	80	0-8	0-6

\*Add voltage coding

### ACCESSORIES

CONNECTOR WITH 3M CABLE	STRAIGHT CONNECTION	ELBOW FITTING
-------------------------	---------------------	---------------



MA134000PA05300	6512 6-1/8	6522 6-1/8
MA134000PA05300	6512 6-1/8	6522 6-1/8

For more connector options, including LED versions please see page 134-137

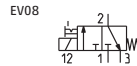


Main



Section

## 3/2-way NC solenoid valve



Part Number	Availability	Thread	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	
						Sol. DC	Sol. AC
638M-101-A6*	✓	1/8	3 way NC	EV08	120	0-10	0-10
63CM-101-A6*	✓	1/8-Ø4	3 way NC	EV08	108	0-10	0-10

\*Add voltage coding

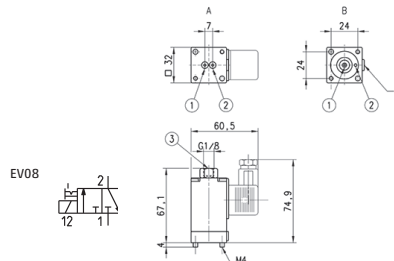
CONNECTOR WITH 3M CABLE	STRAIGHT CONNECTION	ELBOW FITTING
-------------------------	---------------------	---------------



MA134000PA05300	6512 6-1/8	6522 6-1/8
MA134000PA05300	6512 6-1/8	6522 6-1/8

For more connector options, including LED versions please see page 134-137

## 3/2-way NC solenoid valve



Part Number	Availability	Interface	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	
						Sol. DC	Sol. AC
600-450-A6*	✓	Rotatable	3 way interface NC	EV08	106	0-10	0-10
600-457-A6*	✓	Fixed	3 way interface NC	EV08	106	0-10	0-10

\*Add voltage coding

CONNECTOR WITH 3M CABLE
-------------------------



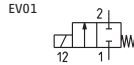
MA134000PA05300

MA134000PA05300

For more connector options, including LED versions please see page 134-137



**2/2-way solenoid valves NC, 3/8**



- ✓ Ex Stock
- ✎ UK Assembly
- ☎ Please Call Sales Office

**ACCESSORIES**

CONNECTOR WITH 3M CABLE	STRAIGHT CONNECTION	ELBOW FITTING
-------------------------	---------------------	---------------



Part Number	Availability	Thread	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	
						Sol. DC	Sol. AC
623-15E-A6*	✓	3/8	2 way NC	EV01	230	0-15	0-15
623-15F-A6*	✓	3/8	2 way NC	EV01	333	0-14	0-14
623-15G-A6*	✓	3/8	2 way NC	EV01	520	0-6	0-6

MA134000PA05300	6512 8-3/8	6522 8-3/8
MA134000PA05300	6512 8-3/8	6522 8-3/8
MA134000PA05300	6512 8-3/8	6522 8-3/8

For more connector options, including LED versions please see page 134-137

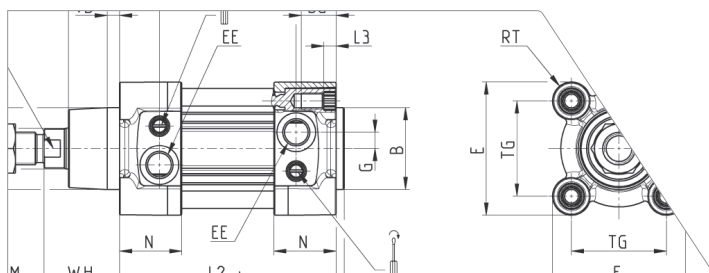
**CODING EXAMPLE**

<b>6</b>	<b>3</b>	<b>8</b>	<b>M</b>	<b>-</b>	<b>105</b>	<b>-</b>	<b>A</b>	<b>6</b>	<b>B</b>
----------	----------	----------	----------	----------	------------	----------	----------	----------	----------

<p><b>6</b> SERIES: 6</p>	<p><b>105</b> TYPE OF DESIGN OF BASE:                      150 = threaded body                      450 = base with rotatable interface                      457 = base with fixed interface                      101 = single manifold                      102 = 2 - part manifold                      103 = 3 - part manifold                      104 = 4 - part manifold                      105 = 5 - part manifold                      106 = 6 - part manifold                      107 = 7 - part manifold                      108 = 8 - part manifold                      109 = 9 - part manifold                      110 = 10 - part manifold                      111 = 11 - part manifold                      112 = 12 - part manifold                      113 = 13 - part manifold                      114 = 14 - part manifold                      115 = 15 - part manifold</p>
<p><b>3</b> N° OF CONNECTIONS AND FUNCTIONS:                      0 = interface                      1 = 2 way NO                      2 = 2 way NC                      3 = 3 way NC                      4 = 3 way NO</p>	<p><b>A</b> COIL MATERIALS:                      A = PPS</p>
<p><b>8</b> CONNECTIONS:                      0 = Interface                      3 = 3/8                      8 = 1/8                      C = cartridge Ø4</p>	<p><b>6</b> SOLENOID DIMENSIONS:                      6 = 32 x 32</p>
<p><b>M</b> M = Manifold</p>	<p><b>B</b> SOLENOID VOLTAGE:                      B = 24V 50/60 Hz 2 = 12V DC                      C = 48V 50/60 Hz 3 = 24V DC                      D = 110V 50/60 Hz 4 = 48V DC                      E = 220V 50/60 Hz 6 = 110V DC</p>
<p>VERSIONS:                      = standard                      LT = for low temperatures</p>	



# Technical Data Sheets



Full technical data sheets available at: <https://store.camozzi.co.uk>

# Series E Valves and Solenoid Valves

With outlets on the body  
For individual or manifold assembly  
10.5mm

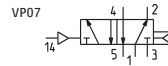
The Camozzi range of Series E Valves have been designed to allow high flows with small overall dimensions.

VALVES AND SOLENOID VALVES

## 5/2-Way Pneumatically actuated valve, monostable - size 10.5



- ✓ Ex Stock
- 🔧 UK Assembly
- 📞 Please Call Sales Office



Part Number	Availability	Connection	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Minimum Pilot Pressure (Bar)
E521-36	✓	M5	5/2	VP07	200	2.5-7	2.5
E521-C36	📞	4mm	5/2	VP07	200	2.5-7	2.5

Sub base not included

### Technical Data

#### Media

Filtered air 5 micron or lower, without lubrication. If lubricated air is used, it is recommended to use oil ISO VG32. Once applied, the lubrication should never be interrupted.

#### Operating Temperature

0°C to +50°C

Full Data Sheet and Dimensions at <https://store.camozzi.co.uk>

### ACCESSORIES

STRAIGHT CONNECTION	ELBOW FITTING
---------------------	---------------



6512 4-M5	6522 4-M5
-	-

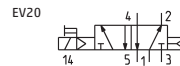


Main



Section

## 5/2-Way Electropneumatically actuated valve, monostable - size 10.5



Part Number	Availability	Connection	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Minimum Pilot Pressure (Bar)
E521-16-10-K1*	✓	M5	5/2	EV20	200	2.5-7	2

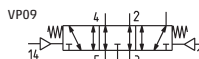
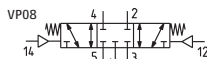
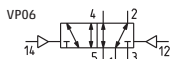
Sub base not included

CONNECTOR	STRAIGHT CONNECTION	ELBOW FITTING
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121-803	6512 4-M5	6522 4-M5
---------	-----------	-----------

## 5/2 & 5/3 (CC, CO, PC) Way Pneumatically actuated valve - size 10.5



Part Number	Availability	Connection	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Minimum Pilot Pressure (Bar)
E521-33	✓	M5	5/2	VP06	200	-0.9-7	1
E521-C33	📞	M5	5/2	VP06	200	-0.9-7	1
E621-33	✓	M5	5/3 CC	VP08	200	-0.9-7	2
E621-C33	📞	M5	5/3 CC	VP08	200	-0.9-7	2
E721-33	📞	M5	5/3 CO	VP09	200	-0.9-7	2
E721-C33	📞	M5	5/3 CO	VP09	200	-0.9-7	2
E821-33	📞	M5	5/3 PC	VP10	200	-0.9-7	2
E821-C33	📞	M5	5/3 PC	VP10	200	-0.9-7	2

Sub base not included

STRAIGHT CONNECTION	ELBOW FITTING
---------------------	---------------

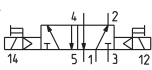


6512 4-M5	6522 4-M5
6512 4-M5	6522 4-M5
6512 4-M5	6522 4-M5
6512 4-M5	6522 4-M5
6512 4-M5	6522 4-M5
6512 4-M5	6522 4-M5
6512 4-M5	6522 4-M5
6512 4-M5	6522 4-M5

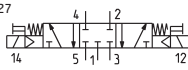
**5/2 & 5/3 (CC, CO, PC) Electropneumatically actuated valve, bistable - size 10.5**



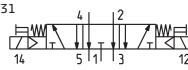
EV24



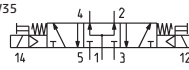
EV27



EV31



EV35



- ✓ Ex Stock
- 🔧 UK Assembly
- ☎ Please Call Sales Office

**ACCESSORIES**

CONNECTOR	STRAIGHT CONNECTION	ELBOW FITTING
121-803	6512 4-M5	6522 4-M5
121-803	6512 4-M5	6522 4-M5
121-803	6512 4-M5	6522 4-M5
121-803	6512 4-M5	6522 4-M5

Part Number	Availability	Connection	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Minimum Pilot Pressure (Bar)
E521-11-10-K1*	✓	M5	5/2	EV24	200	1-7	1
E621-11-10-K1*	☎	M5	5/3 CC	EV27	200	2-7	2
E721-11-10-K1*	☎	M5	5/3 CO	EV31	200	2-7	2
E821-11-10-K1*	☎	M5	5/3 PC	EV35	200	2-7	2

Sub base not included

**CODING EXAMPLE**

<b>E</b>	<b>5</b>	<b>2</b>	<b>1</b>	<b>-</b>	<b>11</b>	<b>-</b>	<b>10</b>	<b>-</b>	<b>K</b>	<b>1</b>	<b>3</b>
<b>E</b>	SERIES: E		<b>1</b>	BODY TYPE: 1 = body with threaded plate		<b>K</b>	SOLENOID TYPE: K				
<b>5</b>	FUNCTION: 5 = 5/2 6 = 5/3 centre closed 7 = 5/3 centre open 8 = 5/3 pressure centre		<b>11</b>	ACTUATION: 11 = electro-pneumatic, bistable 16 = electro-pneumatic, monostable 33 = pneumatic bistable - tube Ø3 36 = pneumatic monostable - tube Ø3 C33 = pneumatic bistable - tube Ø4 C36 = pneumatic monostable - tube Ø4		<b>1</b>	SOLENOID DIMENSIONS: 1 = 10x10				
<b>2</b>	SIZE: 2 = Sizes 10.5		<b>10</b>	INTERFACE: 10		<b>3</b>	SOLENOID VOLTAGE: * 1 = 6V DC (on request) 2 = 12V DC (on request) 3 = 24V DC				

# UK Online Store



## Request an account today

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- Download product datasheets
- Place orders whenever it suits you

<https://store.camozzi.co.uk>

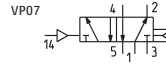
# Series E Valves and Solenoid Valves

Base mounted body  
For individual or manifold assembly  
10.5mm

The Camozzi range of Series E Valves have been designed to allow high flows with small overall dimensions.

VALVES AND SOLENOID VALVES

## 5/2 Way Pneumatically actuated valve, monostable - size 10.5



- ✓ Ex Stock
- ✦ UK Assembly
- ☎ Please Call Sales Office

### Technical Data

#### Media

Filtered air 5 micron or lower, without lubrication. If lubricated air is used, it is recommended to use oil ISO VG32. Once applied, the lubrication should never be interrupted.

#### Operating Temperature

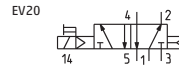
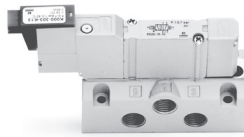
0°C to +50°C

Full Data Sheet and Dimensions at <https://store.camozzi.co.uk>

Part Number	Availability	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Minimum Pilot Pressure (Bar)
E520-36	✓	5/2	VP07	280	2.5-7	2.5
E520-C36	✓	5/2	VP07	280	2.5-7	2.5

Sub base not included

## 5/2 Way Electropneumatically actuated valve, monostable - size 10.5



Part Number	Availability	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Minimum Pilot Pressure (Bar)
E520-16-10-K1*	✓	5/2	EV20	280	2-7	2

\*Add voltage coding. Sub base not included

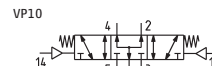
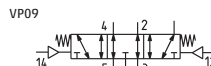
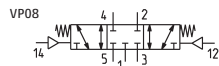
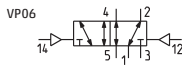
### ACCESSORIES

#### CONNECTOR



121-803

## 5/2 & 5/3 (CC, CO, PC) Way Pneumatically actuated valve - size 10.5



Part Number	Availability	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Minimum Pilot Pressure (Bar)
E520-33	✓	5/2	VP06	280	-0.9-7	1
E520-C33	✓	5/2	VP06	280	-0.9-7	1
E620-33	✓	5/3 CC	VP08	280	-0.9-7	2
E620-C33	✓	5/3 CC	VP08	280	-0.9-7	2
E720-33	✓	5/3 CO	VP09	280	-0.9-7	2
E720-C33	✓	5/3 CO	VP09	280	-0.9-7	2
E820-33	✓	5/3 PC	VP10	280	-0.9-7	2
E820-C33	✓	5/3 PC	VP10	280	-0.9-7	2

Sub base not included

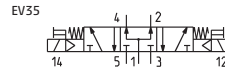
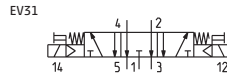
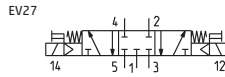
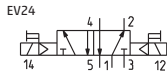
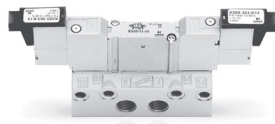


Main



Section

**5/2 & 5/3 (CC, CO, PC) Electropneumatically actuated valve - size 10.5**



**ACCESSORIES**

Connector



- ✓ Ex Stock
- ✎ UK Assembly
- ☎ Please Call Sales Office

Part Number	Availability	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Minimum Pilot Pressure (Bar)
E520-11-10-K1*	✓	5/2	EV10	280	2-7	2
E620-11-10-K1*	✓	5/3 CC	EV27	280	2-7	2
E720-11-10-K1*	✓	5/3 CO	EV31	280	2-7	2
E820-11-10-K1*	✓	5/3 PC	EV35	280	2-7	2

121-803
121-803
121-803
121-803

\*Add voltage coding  
Sub base not included

**CODING EXAMPLE**

<b>E</b>	<b>5</b>	<b>2</b>	<b>0</b>	<b>-</b>	<b>11</b>	<b>-</b>	<b>10</b>	<b>-</b>	<b>K</b>	<b>1</b>	<b>3</b>
----------	----------	----------	----------	----------	-----------	----------	-----------	----------	----------	----------	----------

<b>E</b> SERIES: E	<b>0</b> BODY TYPE: 0 = body for sub-base	<b>K</b> SOLENOID TYPE: K = solenoid (10x10)
<b>5</b> FUNCTION: 5 = 5/2 6 = 5/3 centre closed 7 = 5/3 centre open 8 = 5/3 pressure centre	<b>11</b> ACTUATION: 11 = electro-pneumatic, bistable 16 = electro-pneumatic, monostable 33 = pneumatic bistable - tube Ø3 36 = pneumatic monostable - tube Ø3 * C33 = pneumatic bistable - tube Ø4 * C36 = pneumatic monostable - tube Ø4 311 = electro-pneumatic bistable on subbase or manifold 316 = electro-pneumatic monostable on subbase or manifold 333 = pneumatic bistable on sub-base or manifold 336 = pneumatic monostable on sub-base or manifold	<b>1</b> SOLENOID DIMENSIONS: 1 = 10x10
<b>2</b> SIZE: 2 = Sizes 10.5	<b>10</b> INTERFACE: 10	<b>3</b> SOLENOID VOLTAGE: * 1 = 6V DC      3 = 24V DC * 2 = 12V DC

\*on request.

**Single sub-base for base mounted valves - size 10.5**

Connections:1/8



**Technical Data**

**Mountings**

By means of screws supplied with valves.

Full Data Sheet and Dimensions at <https://store.camozzi.co.uk>

- ✓ Ex Stock
- 🔧 UK Assembly
- 📞 Please Call Sales Office

Part Number	Availability
E520-0101	✓

**ACCESSORIES**

SILENCER	STRAIGHT CONNECTION	ELBOW FITTING
2901 1/8	6512 6-1/8	6522 6-1/8

**Manifolds for valves with outlets on the body Size 10,5**

Connections:1/8



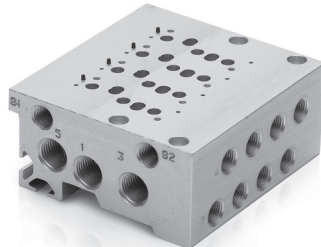
Part Number	Availability
E521-10**	✓

\*\*See coding example below for number of postions

BLANKING PLUG	SILENCER	STRAIGHT CONNECTION	ELBOW FITTING
S2610 1/8	2901 1/8	6512 6-1/8	6522 6-1/8

**Manifolds for base mounted valves size 10.5**

Connections:1/8



Part Number	Availability
E520-21**	✓
E520-2C**	✓

\*\*See coding example below for number of postions

BLANKING PLUG	SILENCER	STRAIGHT CONNECTION	ELBOW FITTING
S2610 1/8	2901 1/8	6512 6-1/8	6522 6-1/8
S2610 1/8	2901 1/8	6512 6-1/8	6522 6-1/8

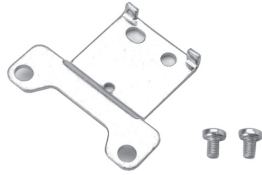
**CODING EXAMPLE**

<b>E5</b>	<b>2</b>	<b>1</b>	<b>-</b>	<b>1</b>	<b>0</b>	<b>04</b>
-----------	----------	----------	----------	----------	----------	-----------

<b>E5</b>	SERIES: E5	<b>1</b>	BODY TYPE: 0 = body for sub-base assembly 1 = body with threads or tube connection	<b>0</b>	CONNECTIONS: 0 = for valves with outlets on the body 1 = threaded C = tube 4 (size 10,5)
<b>2</b>	SIZE: 2 = Size 10.5	<b>1</b>	TYPE OF SUB-BASE: 0 = single sub-base with side outlets 1 = manifold for threaded valve 2 = manifold for body mounted valve	<b>04</b>	Nº OF POSITIONS: 01 = single 03, 04, 06, 08, 10, 12 = multiple

NOTE: When constructing manifolds with 10 or more stations, it is recommended, in order to reduce the risk of pressure drop within the assembly, that pressure is supplied to connection 1 at each end of the block. The exhaust connection 3 and 5 at each end should also be utilized (size 10.5 and 16mm). The same provision should be made for 5 station manifolds of the 19mm valves. Manifolds complete with connections for external pilot supply are available on request.

# Series E Accessories for Valves



- ✓ Ex Stock
- 🇬🇧 UK Assembly
- ☎ Please Call Sales Office

Part Number	Availability	
<b>B1-E521</b>	✓	for valves size 10.5

Horizontal feet for valves with outlets on the body.



Part Number	Availability	
<b>B2-E521</b>	☎	for valves size 10.5

Vertical feet for valves with outlets on the body (monostable only).



Part Number	Availability	Threaded Valves Size
<b>TP-E521</b>	✓	10.5
<b>TP-E520</b>	✓	10.5

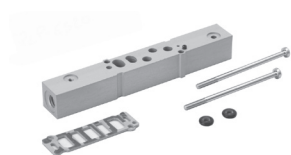
Blanking plate for manifolds.



Part Number	Availability	
<b>PCF-E520</b>	✓	

Suitable for all manifolds

Mounting brackets for DIN rail channel DIN EN 50022 (7.5 x 35 with 1mm).



Part Number	Availability	Threaded Valves Size
<b>PCP-E521</b>	✓	10.5
<b>PCP-E520</b>	✓	10.5

Intermediate plate for manifolds for valves with separate supply in 1.



Part Number	Availability	Threaded Valves Size
<b>PCS-E521</b>	☎	10.5
<b>PCS-E520</b>	☎	10.5

Intermediate plate for manifolds for valves with separate supply in 3 and 5.

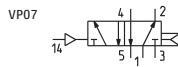
# Series EN Valves and Solenoid Valves

5/2 way, 5/3 way CC - CO - CP

With outlets on the body - For individual or manifold assembly

Size 16 - 19 mm

## 5/2 Way Pneumatically actuated valve, monostable



- ✓ Ex Stock
- 🔧 UK Assembly
- 📞 Please Call Sales Office

Part Number	Availability	Thread	Function	Symbol	Flow Rate (Nl/min)	Operating Pressures (Bar)	Minimum Pilot Pressures (Bar)
EN531-36	✓	1/8	5/2	VP07	550	-0.9-10	2.5
EN551-36	✓	1/4	5/2	VP07	920	-0.9-10	2.5

### Technical Data

#### Media

Filtered air, without lubrication. If lubricated air is used, it is recommended to use oil ISO VG32. Once applied, the lubrication should never be interrupted.

#### Operating Temperature

0°C to +50°C.

Full Data Sheet and Dimensions at <https://store.camozzi.co.uk>

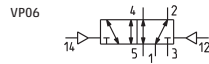
### ACCESSORIES

STRAIGHT CONNECTION	ELBOW FITTING	PILOT PORT
---------------------	---------------	------------



6512 6-1/8	6522 6-1/8	6512 4-M5
6512 6-1/4	6522 6-1/4	6512 4-M5

## 5/2 Way Pneumatically actuated valve, bistable



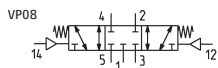
Part Number	Availability	Threads	Function	Symbol	Flow Rate (Nl/min)	Operating Pressures (Bar)	Minimum Pilot Pressures (Bar)
EN531-33	✓	1/8	5/2	VP06	550	-0.9-10	2
EN551-33	✓	1/4	5/2	VP06	920	-0.9-10	2

STRAIGHT CONNECTION	ELBOW FITTING	PILOT PORT
---------------------	---------------	------------



6512 6-1/8	6522 6-1/8	6512 4-M5x2
6512 8-1/4	6522 8-1/4	6512 4-M5x2

## 5/3 Way (CC,CO,PC) Pneumatically actuated valve



Part Number	Availability	Threads	Function	Symbol	Flow Rate (Nl/min)	Operating Pressures (Bar)	Minimum Pilot Pressures (Bar)
EN631-33	✓	1/8	5/3 CC	VP08	550	-0.9-10	3
EN651-33	✓	1/4	5/3 CC	VP08	920	-0.9-10	3
EN731-33	✓	1/8	5/3 CO	VP09	550	-0.9-10	3
EN751-33	✓	1/4	5/3 CO	VP09	920	-0.9-10	3
EN831-33	✓	1/8	5/3 PC	VP10	550	-0.9-10	3
EN851-33	✓	1/4	5/3 PC	VP10	920	-0.9-10	3

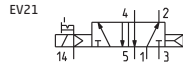
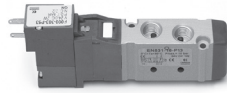
STRAIGHT CONNECTION	ELBOW FITTING	PILOT PORT
---------------------	---------------	------------



6512 6-1/8	6522 6-1/8	6512 4-M5x2
6512 8-1/4	6522 8-1/4	6512 4-M5x2
6512 6-1/8	6522 6-1/8	6512 4-M5x2
6512 8-1/4	6522 8-1/4	6512 4-M5x2
6512 6-1/8	6522 6-1/8	6512 4-M5x2
6512 8-1/4	6522 8-1/4	6512 4-M5x2



### 5/2 Way Electro-pneumatically actuated valve, monostable

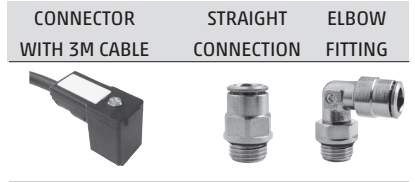


- ✓ Ex Stock
- 🔧 UK Assembly
- 📞 Please Call Sales Office

Part Number	Availability	Threads	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Minimum Pilot Pressures (Bar)
EN531-16-P*	✓	1/8	5/2	EV21	550	2.5-10	-
EN551-16-P*	✓	1/4	5/2	EV21	920	2.5-10	-
EN531-16-W*	✓	1/8	5/2	EV21	550	2.5-10	-
EN551-16-W*	✓	1/4	5/2	EV21	920	2.5-10	-

\*Add voltage coding

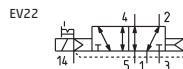
#### ACCESSORIES



CONNECTOR WITH 3M CABLE	STRAIGHT CONNECTION	ELBOW FITTING
MD134000PA01300	6512 6-1/8	6522 6-1/8
MD134000PA01300	6512 8-1/4	6522 8-1/4
MD134000PA01300	6512 6-1/8	6522 6-1/8
MD134000PA01300	6512 8-1/4	6522 8-1/4

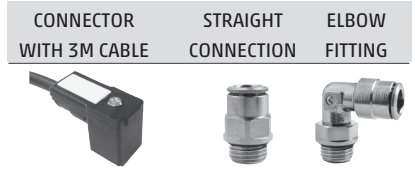
For more connector options, including LED versions please see page 134-137

### 5/2 Way Electro-pneum. valve, monostable - ext. servo-pilot supply



Part Number	Availability	Threads	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Minimum Pilot Pressures (Bar)
EN531-E16-P*	✓	1/8	5/2	EV22	550	-0.9-10	2.5
EN551-E16-P*	✓	1/4	5/2	EV22	920	-0.9-10	2.5
EN531-E16-W*	✓	1/8	5/2	EV22	550	-0.9-10	2.5
EN551-E16-W*	✓	1/4	5/2	EV22	920	-0.9-10	2.5

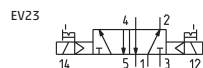
\*Add voltage coding



CONNECTOR WITH 3M CABLE	STRAIGHT CONNECTION	ELBOW FITTING
MD134000PA01300	6512 6-1/8	6522 6-1/8
MD134000PA01300	6512 8-1/4	6522 8-1/4
MD134000PA01300	6512 6-1/8	6522 6-1/8
MD134000PA01300	6512 8-1/4	6522 8-1/4

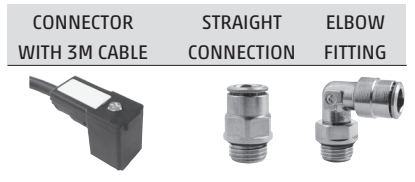
For more connector options, including LED versions please see page 134-137

### 5/2 Way Electro-pneumatically actuated valve, bistable



Part Number	Availability	Threads	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Minimum Pilot Pressures (Bar)
EN531-11-P*	✓	1/8	5/2	EV23	550	2-10	-
EN551-11-P*	✓	1/4	5/2	EV23	920	2-10	-
EN531-11-W*	✓	1/8	5/2	EV23	550	2-10	-
EN551-11-W*	✓	1/4	5/2	EV23	920	2-10	-

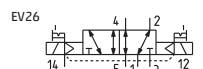
\*Add voltage coding



CONNECTOR WITH 3M CABLE	STRAIGHT CONNECTION	ELBOW FITTING
MD134000PA01300	6512 6-1/8	6522 6-1/8
MD134000PA01300	6512 8-1/4	6522 8-1/4
MD134000PA01300	6512 6-1/8	6522 6-1/8
MD134000PA01300	6512 8-1/4	6522 8-1/4

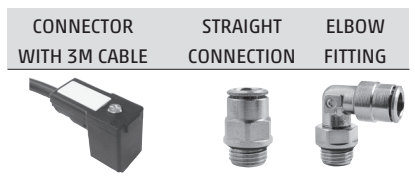
For more connector options, including LED versions please see page 134-137

### 5/2 Way Electro-pneumatically actuated valve, bistable ext. servo-pilot supply



Part Number	Availability	Threads	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Minimum Pilot Pressures (Bar)
EN531-E11-P*	✓	1/8	5/2	EV26	550	-0.9-10	2
EN551-E11-P*	✓	1/4	5/2	EV26	920	-0.9-10	2
EN531-E11-W*	✓	1/8	5/2	EV26	550	-0.9-10	2
EN551-E11-W*	✓	1/4	5/2	EV26	920	-0.9-10	2

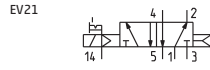
\*Add voltage coding



CONNECTOR WITH 3M CABLE	STRAIGHT CONNECTION	ELBOW FITTING
MD134000PA01300	6512 6-1/8	6522 6-1/8
MD134000PA01300	6512 8-1/4	6522 8-1/4
MD134000PA01300	6512 6-1/8	6522 6-1/8
MD134000PA01300	6512 8-1/4	6522 8-1/4

For more connector options, including LED versions please see page 134-137

**5/2 Way Electro-pneumatically actuated valve, monostable**



- ✓ Ex Stock
- ✎ UK Assembly
- ☎ Please Call Sales Office

Part Number	Availability	Threads	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Minimum Pilot Pressures (Bar)
EN531-16-PN*	✓	1/8	5/2	EV21	550	2.5-10	-
EN551-16-PN*	✓	1/4	5/2	EV21	920	2.5-10	-

\*Add voltage coding

**ACCESSORIES**

CONNECTOR WITH 3M CABLE	STRAIGHT CONNECTION	ELBOW FITTING
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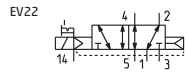


MD134000PA01300 6512 6-1/8 6522 6-1/8

MD134000PA01300 6512 8-1/4 6522 8-1/4

For more connector options, including LED versions please see page 134-137

**5/2 Way Electro-pneum. valve, monostable - ext. servo-pilot supply**



Part Number	Availability	Threads	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Minimum Pilot Pressures (Bar)
EN531-E16-PN*	✓	1/8	5/2	EV22	550	-0.9-10	2.5
EN551-E16-PN*	✓	1/4	5/2	EV22	920	-0.9-10	2.5

\*Add voltage coding

CONNECTOR WITH 3M CABLE	STRAIGHT CONNECTION	ELBOW FITTING
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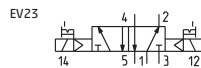


MD134000PA01300 6512 6-1/8 6522 6-1/8

MD134000PA01300 6512 8-1/4 6522 8-1/4

For more connector options, including LED versions please see page 134-137

**5/2 Way Electro-pneumatically actuated valve, bistable**



Part Number	Availability	Threads	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Minimum Pilot Pressures (Bar)
EN531-11-PN*	✓	1/8	5/2	EV23	550	2-10	-
EN551-11-PN*	✓	1/4	5/2	EV23	920	2-10	-

\*Add voltage coding

CONNECTOR WITH 3M CABLE	STRAIGHT CONNECTION	ELBOW FITTING
-------------------------	---------------------	---------------

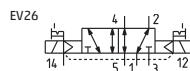


MD134000PA01300 6512 6-1/8 6522 6-1/8

MD134000PA01300 6512 8-1/4 6522 8-1/4

For more connector options, including LED versions please see page 134-137

**5/2 Way Electro-pneum. valve, bistable - ext. servo-pilot supply**



Part Number	Availability	Threads	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Minimum Pilot Pressures (Bar)
EN531-E11-PN*	✓	1/8	5/2	EV26	550	-0.9-10	-
EN551-E11-PN*	✓	1/4	5/2	EV26	920	-0.9-10	-

\*Add voltage coding

CONNECTOR WITH 3M CABLE	STRAIGHT CONNECTION	ELBOW FITTING
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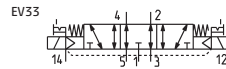
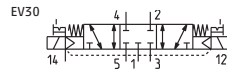
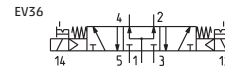
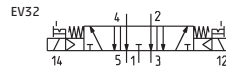
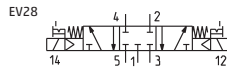


MD134000PA01300 6512 6-1/8 6522 6-1/8

MD134000PA01300 6512 8-1/4 6522 8-1/4

For more connector options, including LED versions please see page 134-137

## 5/3 Way (CC,CO,PC) Electro-pneumatic Valve, Solenoid P, W - Size 16 & 19



- ✓ Ex Stock
- 🔧 UK Assembly
- 📞 Please Call Sales Office

### ACCESSORIES

CONNECTOR WITH 3M CABLE	STRAIGHT CONNECTION	ELBOW FITTING
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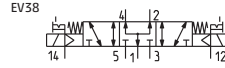
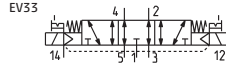
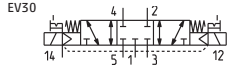
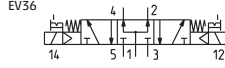
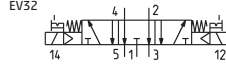
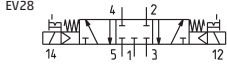


Part Number	Availability	Threads	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Minimum Pilot Pressures (Bar)	MD134000PA01300	6512 6-1/8	6522 6-1/8
EN631-11-P*	✓	1/8	5/3 CC	EV28	550	3-10	-	MD134000PA01300	6512 6-1/8	6522 6-1/8
EN651-11-P*	✓	1/4	5/3 CC	EV28	920	3-10	-	MD134000PA01300	6512 8-1/4	6522 8-1/4
EN631-11-W*	✓	1/8	5/3 CC	EV28	550	3-10	-	MD134000PA01300	6512 6-1/8	6522 6-1/8
EN651-11-W*	✓	1/4	5/3 CC	EV28	920	3-10	-	MD134000PA01300	6512 8-1/4	6522 8-1/4
EN731-11-P*	✓	1/8	5/3 CO	EV32	550	3-10	-	MD134000PA01300	6512 6-1/8	6522 6-1/8
EN751-11-P*	✓	1/4	5/3 CO	EV32	920	3-10	-	MD134000PA01300	6512 8-1/4	6522 8-1/4
EN731-11-W*	✓	1/8	5/3 CO	EV32	550	3-10	-	MD134000PA01300	6512 6-1/8	6522 6-1/8
EN751-11-W*	✓	1/4	5/3 CO	EV32	920	3-10	-	MD134000PA01300	6512 8-1/4	6522 8-1/4
EN831-11-P*	✓	1/8	5/3 PC	EV36	550	3-10	-	MD134000PA01300	6512 6-1/8	6522 6-1/8
EN851-11-P*	✓	1/4	5/3 PC	EV36	920	3-10	-	MD134000PA01300	6512 8-1/4	6522 8-1/4
EN831-11-W*	✓	1/8	5/3 PC	EV36	550	3-10	-	MD134000PA01300	6512 6-1/8	6522 6-1/8
EN851-11-W*	✓	1/4	5/3 PC	EV36	920	3-10	-	MD134000PA01300	6512 8-1/4	6522 8-1/4
EN631-E11-P*	✓	1/8	5/3 CC	EV30	550	-0.9-10	3	MD134000PA01300	6512 6-1/8	6522 6-1/8
EN651-E11-P*	✓	1/4	5/3 CC	EV30	920	-0.9-10	3	MD134000PA01300	6512 8-1/4	6522 8-1/4
EN631-E11-W*	✓	1/8	5/3 CC	EV30	550	-0.9-10	3	MD134000PA01300	6512 6-1/8	6522 6-1/8
EN651-E11-W*	✓	1/4	5/3 CC	EV30	920	-0.9-10	3	MD134000PA01300	6512 8-1/4	6522 8-1/4
EN731-E11-P*	✓	1/8	5/3 CO	EV33	550	-0.9-10	3	MD134000PA01300	6512 6-1/8	6522 6-1/8
EN751-E11-P*	✓	1/4	5/3 CO	EV33	920	-0.9-10	3	MD134000PA01300	6512 8-1/4	6522 8-1/4
EN731-E11-W*	✓	1/8	5/3 CO	EV33	550	-0.9-10	3	MD134000PA01300	6512 6-1/8	6522 6-1/8
EN751-E11-W*	✓	1/4	5/3 CO	EV33	920	-0.9-10	3	MD134000PA01300	6512 8-1/4	6522 8-1/4
EN831-E11-P*	✓	1/8	5/3 PC	EV38	550	-0.9-10	3	MD134000PA01300	6512 6-1/8	6522 6-1/8
EN851-E11-P*	✓	1/4	5/3 PC	EV38	920	-0.9-10	3	MD134000PA01300	6512 8-1/4	6522 8-1/4
EN831-E11-W*	✓	1/8	5/3 PC	EV38	550	-0.9-10	3	MD134000PA01300	6512 6-1/8	6522 6-1/8
EN851-E11-W*	✓	1/4	5/3 PC	EV38	920	-0.9-10	3	MD134000PA01300	6512 8-1/4	6522 8-1/4

\*Add voltage coding

For more connector options, including LED versions please see page 134-137

**5/3 Way (CC,CO,PC) Electro-pneumatically Actuated Valve - Size 16 & 19**

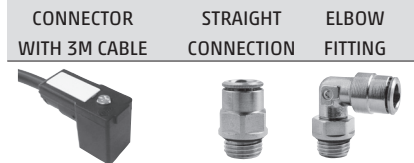


- ✓ Ex Stock
- 🔧 UK Assembly
- ☎ Please Call Sales Office

Part Number	Availability	Threads	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Minimum Pilot Pressures (Bar)
EN631-11-PN*	✓	1/8	5/3 CC	EV28	550	3-10	-
EN651-11-PN*	✓	1/4	5/3 CC	EV28	920	3-10	-
EN731-11-PN*	✓	1/8	5/3 CO	EV32	550	3-10	-
EN751-11-PN*	✓	1/4	5/3 CO	EV32	920	3-10	-
EN831-11-PN*	✓	1/8	5/3 PC	EV36	550	3-10	-
EN851-11-PN*	✓	1/4	5/3 PC	EV36	920	3-10	-
EN631-E11-PN*	✓	1/8	5/3 CC	EV30	550	-0.9-10	3
EN651-E11-PN*	✓	1/4	5/3 CC	EV30	920	-0.9-10	3
EN731-E11-PN*	✓	1/8	5/3 CO	EV33	550	-0.9-10	3
EN751-E11-PN*	✓	1/4	5/3 CO	EV33	920	-0.9-10	3
EN831-E11-PN*	✓	1/8	5/3 PC	EV38	550	-0.9-10	3
EN851-E11-PN*	✓	1/4	5/3 PC	EV38	920	-0.9-10	3

\*Add voltage coding

**ACCESSORIES**



CONNECTOR WITH 3M CABLE	STRAIGHT CONNECTION	ELBOW FITTING
MD134000PA01300	6512 6-1/8	6522 6-1/8
MD134000PA01300	6512 8-1/4	6522 8-1/4
MD134000PA01300	6512 6-1/8	6522 6-1/8
MD134000PA01300	6512 8-1/4	6522 8-1/4
MD134000PA01300	6512 6-1/8	6522 6-1/8
MD134000PA01300	6512 8-1/4	6522 8-1/4

MD134000PA01300	6512 6-1/8	6522 6-1/8
MD134000PA01300	6512 8-1/4	6522 8-1/4
MD134000PA01300	6512 6-1/8	6522 6-1/8
MD134000PA01300	6512 8-1/4	6522 8-1/4

For more connector options, including LED versions please see page 134-137

**CODING EXAMPLE**

EN	5	3	1	-	11	-	PN3
<b>EN</b> SERIES: EN		<b>3</b> SIZES: 3 = 16mm 5 = 19mm			<b>11</b> ACTUATION: 11 = electro-pneumatic, bistable 16 = electro-pneumatic, monostable 33 = pneumatic bistable 36 = pneumatic monostable		E11 = electro-pneumatic, bistable with external servo-pilot supply E16 = electro-pneumatic, monostable with external servo-pilot supply
<b>5</b> FUNCTION 5 = 5/2 6 = 5/3 Centre Closed 7 = 5/3 Centre Open 8 = 5/3 Pressure Centre		<b>1</b> BODY TYPE: 1 = body with threaded plate			<b>PN3</b> TYPE OF SOLENOID PN3 = 24V DC - 1W PN4 = 48V DC - 2W PN6 = 110V DC - 2W PN7 = 230V - 2W		P13 = 24V DC - 1W P54 = 48V DC - 2W P56 = 110V DC - 2W W53 = 24V DC - 2W W54 = 48V DC - 2W

In case of applications with alternate current, use a bridge rectifier connector



Main



Section

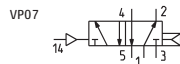
# Series EN Valves and Solenoid Valves

5/2 way, 5/3 way CC - CO - CP

For manifold assembly

Size 16 - 19 mm

## 5/2 Way Monostable pneumatic valve with outlets on sub-base



- ✓ Ex Stock
- ✂ UK Assembly
- 📞 Please Call Sales Office

Part Number	Availability	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Minimum Pilot Pressures (Bar)
EN530-36	✓	5/2	VP07	610	2.5-10	2.5
EN550-36	✓	5/2	VP07	1000	2-10	2.5

### Technical Data

#### Media

Filtered air, without lubrication. If lubricated air is used, it is recommended to use oil ISO VG32. Once applied, the lubrication should never be interrupted.

#### Operating Temperature

0°C to +50°C.

Full Data Sheet and Dimensions at <https://store.camozzi.co.uk>

### ACCESSORIES

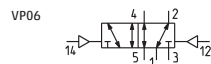
PILOT PORT



6512 4-M5

6512 4-M5

## 5/2 Way Bistable pneumatic valve with outlets on sub-base



Part Number	Availability	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Minimum Pilot Pressures (Bar)
EN530-33	✓	5/2	VP06	610	-0.9-10	2
EN550-33	✓	5/2	VP06	1000	-0.9-10	2

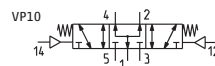
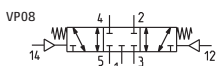
PILOT PORT



6512 4-M5 x2

6512 4-M5 x2

## 5/3 Way (CC,CO,PC) Pneumatically actuated valve with outlets on sub-base



Part Number	Availability	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Minimum Pilot Pressures (Bar)
EN630-33	✓	5/3 CC	VP08	610	-0.9-10	3
EN650-33	✓	5/3 CC	VP08	1000	-0.9-10	3
EN730-33	✓	5/3 CO	VP09	610	-0.9-10	3
EN750-33	✓	5/3 CO	VP09	1000	-0.9-10	3
EN830-33	✓	5/3 PC	VP10	610	-0.9-10	3
EN850-33	✓	5/3 PC	VP10	1000	-0.9-10	3

PILOT PORT



6512 4-M5 x2

6512 4-M5 x2

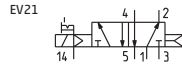
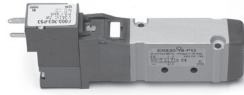
6512 4-M5 x2

6512 4-M5 x2

6512 4-M5 x2

6512 4-M5 x2

### 5/2 Way Electropneumatic valve, monostable with outlets on sub-base



- ✓ Ex Stock
- 🇬🇧 UK Assembly
- ☎ Please Call Sales Office

Part Number	Availability	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Minimum Pilot Pressures (Bar)
EN530-16-P*	✓	5/2	EV21	610	2.5-10	-
EN550-16-P*	✓	5/2	EV21	1000	2.5-10	-
EN530-16-W*	✓	5/2	EV21	610	2.5-10	-
EN550-16-W*	✓	5/2	EV21	1000	2.5-10	-

\*Add voltage coding

#### ACCESSORIES

CONNECTOR WITH 3M CABLE



MD134000PA01300

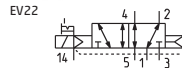
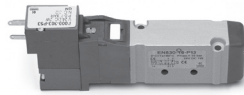
MD134000PA01300

MD134000PA01300

MD134000PA01300

For more connector options, including LED versions please see page 134-137

### 5/2 Way Electropneumatic valve, monostable with outlets on sub-base



Part Number	Availability	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Minimum Pilot Pressures (Bar)
EN530-E16-P*	✓	5/2	EV22	610	-0.9-10	2.5
EN550-E16-P*	✓	5/2	EV22	1000	-0.9-10	2
EN530-E16-W*	✓	5/2	EV22	610	-0.9-10	2.5
EN550-E16-W*	✓	5/2	EV22	1000	-0.9-10	2

\*Add voltage coding

CONNECTOR WITH 3M CABLE



MD134000PA01300

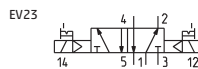
MD134000PA01300

MD134000PA01300

MD134000PA01300

For more connector options, including LED versions please see page 134-137

### 5/2 Way Electropneumatic valve, bistable with outlets on sub-base



Part Number	Availability	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Minimum Pilot Pressures (Bar)
EN530-11-P*	✓	5/2	EV23	610	2-10	-
EN550-11-P*	✓	5/2	EV23	1000	2-10	-
EN530-11-W*	✓	5/2	EV23	610	2-10	-
EN550-11-W*	✓	5/2	EV23	1000	2-10	-

\*Add voltage coding

CONNECTOR WITH 3M CABLE



MD134000PA01300 x2

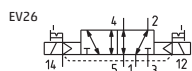
MD134000PA01300 x2

MD134000PA01300 x2

MD134000PA01300 x2

For more connector options, including LED versions please see page 134-137

### 5/2 Way Electro-pn. bistable valve, ext. pilot supply, outlets on sub-base



Part Number	Availability	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Minimum Pilot Pressures (Bar)
EN530-E11-P*	✓	5/2	EV26	610	-0.9-10	2
EN550-E11-P*	✓	5/2	EV26	1000	-0.9-10	2
EN530-E11-W*	✓	5/2	EV26	610	-0.9-10	2
EN550-E11-W*	✓	5/2	EV26	1000	-0.9-10	2

\*Add voltage coding

CONNECTOR WITH 3M CABLE



MD134000PA01300 x2

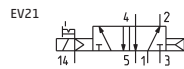
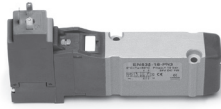
MD134000PA01300 x2

MD134000PA01300 x2

MD134000PA01300 x2

For more connector options, including LED versions please see page 134-137

## 5/2 Way Electropneumatic valve, monostable with outlets on sub-base



- ✓ Ex Stock
- ✎ UK Assembly
- ☎ Please Call Sales Office

Part Number	Availability	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Minimum Pilot Pressures (Bar)
EN530-16-PN*	✓	5/2	EV21	610	2.5-10	-
EN550-16-PN*	✓	5/2	EV21	1000	2.5-10	-

\*Add voltage coding

### ACCESSORIES

CONNECTOR  
WITH 3M CABLE

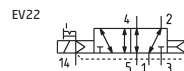
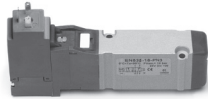


MD134000PA01300

MD134000PA01300

For more connector options, including LED versions please see page 134-137

## 5/2 Way Electro-pn. monost. valve, ext. pilot supply, outlets on sub-base



Part Number	Availability	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Minimum Pilot Pressures (Bar)
EN530-E16-PN*	✓	5/2	EV22	610	-0.9-10	2.5
EN550-E16-PN*	✓	5/2	EV22	1000	-0.9-10	2.5

\*Add voltage coding

CONNECTOR  
WITH 3M CABLE

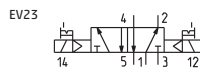


MD134000PA01300

MD134000PA01300

For more connector options, including LED versions please see page 134-137

## 5/2 Way Electropneumatic valve. bistable with outlets on sub-base



Part Number	Availability	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Minimum Pilot Pressures (Bar)
EN530-11-PN*	✓	5/2	EV23	610	2-10	-
EN550-11-PN*	✓	5/2	EV23	1000	2-10	-

\*Add voltage coding

CONNECTOR  
WITH 3M CABLE

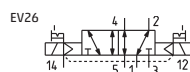


MD134000PA01300 x2

MD134000PA01300 x2

For more connector options, including LED versions please see page 134-137

## 5/2 Way Electro-pn. bistable valve, ext. pilot supply, outlets on sub-base



Part Number	Availability	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Minimum Pilot Pressures (Bar)
EN530-E11-PN*	✓	5/2	EV26	610	-0.9-10	2
EN550-E11-PN*	✓	5/2	EV26	1000	-0.9-10	3

\*Add voltage coding

CONNECTOR  
WITH 3M CABLE

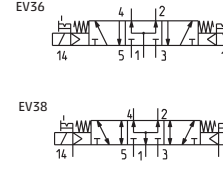
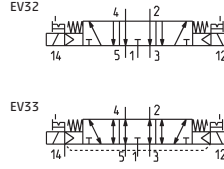
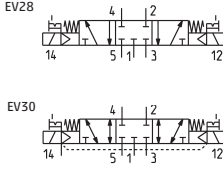


MD134000PA01300 x2

MD134000PA01300 x2

For more connector options, including LED versions please see page 134-137

**5/3 Way (CC,CO,PC) Electro-pneumatic valve, sol. P / W, outlets on sub-base**



VALVES AND SOLENOID VALVES

- ✓ Ex Stock
- 🇬🇧 UK Assembly
- 📞 Please Call Sales Office

Part Number	Availability	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Minimum Pilot Pressures (Bar)
EN630-11-P*	✓	5/3 CC	EV28	610	3-10	-
EN650-11-P*	✓	5/3 CC	EV28	1000	3-10	-
EN630-11-W*	✓	5/3 CC	EV28	610	3-10	-
EN650-11-W*	✓	5/3 CC	EV28	1000	3-10	-
EN730-11-P*	✓	5/3 CO	EV32	610	3-10	-
EN750-11-P*	✓	5/3 CO	EV32	1000	3-10	-
EN730-11-W*	✓	5/3 CO	EV32	610	3-10	-
EN750-11-W*	✓	5/3 CO	EV32	1000	3-10	-
EN830-11-P*	✓	5/3 PC	EV36	610	3-10	-
EN850-11-P*	✓	5/3 PC	EV36	1000	3-10	-
EN830-11-W*	✓	5/3 PC	EV36	610	3-10	-
EN850-11-W*	✓	5/3 PC	EV36	1000	3-10	-
EN630-E11-P*	✓	5/3 CC	EV30	610	-0.9-10	3
EN650-E11-P*	✓	5/3 CC	EV30	1000	-0.9-10	3
EN630-E11-W*	✓	5/3 CC	EV30	610	-0.9-10	3
EN650-E11-W*	✓	5/3 CC	EV30	1000	-0.9-10	3
EN730-E11-P*	✓	5/3 CO	EV33	610	-0.9-10	3
EN750-E11-P*	✓	5/3 CO	EV33	1000	-0.9-10	3
EN730-E11-W*	✓	5/3 CO	EV33	610	-0.9-10	3
EN750-E11-W*	✓	5/3 CO	EV33	1000	-0.9-10	3
EN830-E11-P*	✓	5/3 PC	EV38	610	-0.9-10	3
EN850-E11-P*	✓	5/3 PC	EV38	1000	-0.9-10	3
EN830-E11-W*	✓	5/3 PC	EV38	610	-0.9-10	3
EN850-E11-W*	✓	5/3 PC	EV38	1000	-0.9-10	3

\*Add voltage coding

**ACCESSORIES**

CONNECTOR  
WITH 3M CABLE



MD134000PA01300 x2

MD134000PA01300 x2

MD134000PA01300 x2

MD134000PA01300 x2

MD134000PA01300 x2

MD134000PA01300 x2

MD134000PA01300 x2

MD134000PA01300 x2

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MD134000PA01300 x2

MD134000PA01300 x2

MD134000PA01300 x2

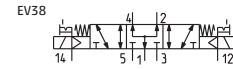
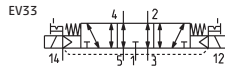
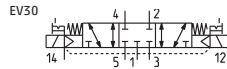
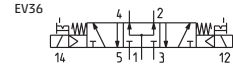
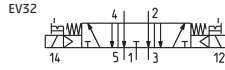
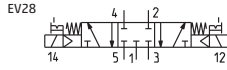
MD134000PA01300 x2

For more connector options, including LED versions please see page 134-137





## 5/3 Way (CC,CO,PC) Electropneumtical valve with outlets on sub-base



- ✓ Ex Stock
- ✎ UK Assembly
- ☎ Please Call Sales Office

Part Number	Availability	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Minimum Pilot Pressures (Bar)
EN630-11-PN*	✓	5/3 CC	EV28	610	3-10	-
EN650-11-PN*	✓	5/3 CC	EV28	1000	3-10	-
EN730-11-PN*	✓	5/3 CO	EV32	610	3-10	-
EN750-11-PN*	✓	5/3 CO	EV32	1000	3-10	-
EN830-11-PN*	✓	5/3 PC	EV36	610	3-10	-
EN850-11-PN*	✓	5/3 PC	EV36	1000	3-10	-
EN630-E11-PN*	✓	5/3 CC	EV30	610	-0.9-10	3
EN650-E11-PN*	✓	5/3 CC	EV30	1000	-0.9-10	3
EN730-E11-PN*	✓	5/3 CO	EV33	610	-0.9-10	3
EN750-E11-PN*	✓	5/3 CO	EV33	1000	-0.9-10	3
EN830-E11-PN*	✓	5/3 PC	EV38	610	-0.9-10	3
EN850-E11-PN*	✓	5/3 PC	EV38	1000	-0.9-10	3

\*Add voltage coding

### ACCESSORIES

CONNECTOR  
WITH 3M CABLE



MD134000PA01300 x2

MD134000PA01300 x2

MD134000PA01300 x2

MD134000PA01300 x2

MD134000PA01300 x2

MD134000PA01300 x2

MD134000PA01300 x2

MD134000PA01300 x2

MD134000PA01300 x2

MD134000PA01300 x2

MD134000PA01300 x2

MD134000PA01300 x2

For more connector options, including LED versions please see page 134-137

### CODING EXAMPLE

EN	5	3	0	-	11	-	PN3
<b>EN</b> SERIES: EN		<b>3</b> SIZES: 3 = 16mm 5 = 19mm			<b>11</b> ACTUATION: 11 = electro-pneumatic, bistable 16 = electro-pneumatic, monostable 33 = pneumatic bistable 36 = pneumatic monostable		E11 = electro-pneumatic, bistable with external servo-pilot supply E16 = electro-pneumatic, monostable with external servo-pilot supply
<b>5</b> FUNCTION 5 = 5/2 6 = 5/3 Centre Closed 7 = 5/3 Centre Open 8 = 5/3 Pressure Centre		<b>0</b> BODY TYPE: 0 = body for sub-base			<b>PN3</b> TYPE OF SOLENOID PN3 = 24V DC - 1W PN4 = 48V DC - 2W PN6 = 110V DC - 2W PN7 = 230V - 2W		P13 = 24V DC - 1W P54 = 48V DC - 2W P56 = 110V DC - 2W W53 = 24V DC - 2W W54 = 48V DC - 2W
In case of applications with alternate current, use a bridge rectifier connector							

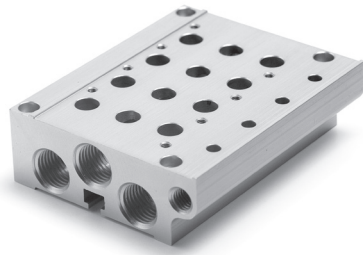


Main



Section




**Series EN Accessories**



- ✓ Ex Stock
- 🇬🇧 UK Assembly
- ☎ Please Call Sales Office

Part Number	Availability	Number of Positions
<b>Sub-base (with outlets on the body) Size 16</b>		
EN531-1002	✓	2
EN531-1003	☎	3
EN531-1004	✓	4
EN531-1005	☎	5
EN531-1006	✓	6
EN531-1008	☎	8
EN531-1010	☎	10
EN531-1012	☎	12
<b>Sub-base (with outlets on the body) Size 19</b>		
EN551-1002	✓	2
EN551-1003	☎	3
EN551-1004	✓	4
EN551-1005	☎	5
EN551-1006	✓	6
EN551-1008	☎	8
EN551-1010	☎	10
EN551-1012	☎	12
<b>Manifold (with outlets on the manifold) Size 16</b>		
EN530-2102	✓	2
EN530-2103	☎	3
EN530-2104	✓	4
EN530-2105	☎	5
EN530-2106	✓	6
EN530-2108	☎	8
EN530-2110	☎	10
EN530-2112	☎	12
<b>Manifold (with outlets on the manifold) Size 19</b>		
EN550-2102	✓	2
EN550-2103	☎	3
EN550-2104	✓	4
EN550-2105	☎	5
EN550-2106	✓	6
EN550-2108	☎	8
EN550-2110	☎	10
EN550-2112	☎	12

**ACCESSORIES**

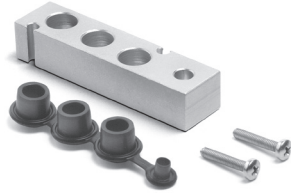
INLET FITTING	SILENCER	BLANKING PLUG
		
S6510 6-1/8	2901 1/8	S2610 1/8
S6510 6-1/8	2901 1/8	S2610 1/8
S6510 6-1/8	2901 1/8	S2610 1/8
S6510 6-1/8	2901 1/8	S2610 1/8
S6510 6-1/8	2901 1/8	S2610 1/8
S6510 6-1/8	2901 1/8	S2610 1/8
S6510 6-1/8	2901 1/8	S2610 1/8
S6510 6-1/8	2901 1/8	S2610 1/8
S6510 6-1/8	2901 1/8	S2610 1/8
S6510 8-1/4	2901 1/4-17	S2610 1/4
S6510 8-1/4	2901 1/4-17	S2610 1/4
S6510 8-1/4	2901 1/4-17	S2610 1/4
S6510 8-1/4	2901 1/4-17	S2610 1/4
S6510 8-1/4	2901 1/4-17	S2610 1/4
S6510 8-1/4	2901 1/4-17	S2610 1/4
S6510 8-1/4	2901 1/4-17	S2610 1/4
S6510 8-1/4	2901 1/4-17	S2610 1/4
S6510 8-1/4	2901 1/4-17	S2610 1/4
S6510 6-1/8	2901 1/8	S2610 1/8
S6510 6-1/8	2901 1/8	S2610 1/8
S6510 6-1/8	2901 1/8	S2610 1/8
S6510 6-1/8	2901 1/8	S2610 1/8
S6510 6-1/8	2901 1/8	S2610 1/8
S6510 6-1/8	2901 1/8	S2610 1/8
S6510 6-1/8	2901 1/8	S2610 1/8
S6510 8-1/4	2901 1/4-17	S2610 1/4
S6510 8-1/4	2901 1/4-17	S2610 1/4
S6510 8-1/4	2901 1/4-17	S2610 1/4
S6510 8-1/4	2901 1/4-17	S2610 1/4
S6510 8-1/4	2901 1/4-17	S2610 1/4
S6510 8-1/4	2901 1/4-17	S2610 1/4
S6510 8-1/4	2901 1/4-17	S2610 1/4
S6510 8-1/4	2901 1/4-17	S2610 1/4

VALVES AND SOLENOID VALVES



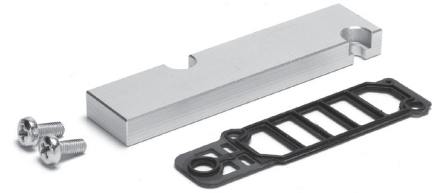
## Series EN Accessories

- ✓ Ex Stock
- 🇬🇧 UK Assembly
- 📞 Please Call Sales Office



**Blanking plate for manifolds  
(with outlets on the body)**

Part Number	Availability	Size
TP-EN531	✓	16
TP-EN551	✓	19



**Blanking plate for manifolds  
(base mounted valves)**

Part Number	Availability	Size
TP-EN530	✓	16
TP-EN550	✓	19



**Connectors 24DC PN with led for  
solenoid P and PN**

Part Number	Availability	Cable Length
125-503-2	📞	2m
125-503-5	📞	



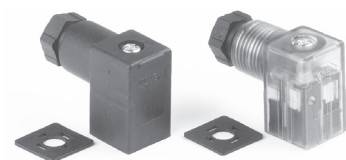
**Conn. V-AC PN with bridge rectifier for  
solenoid P and PN**

Part Number	Availability	Cable Length
125-903-2	📞	2m
125-903-5	📞	5m



**In-line connectors  
with cable**

Part Number	Availability	Cable Length
125-553-2	📞	2m
125-553-5	📞	5m



**Connectors DIN 43650**

Part Number	Availability	Description
KD136000B7	✓	Black Connector PG7 9.4mm Pin Spacing
KC136000B7	✓	Black Connector PG7 8mm Pin Spacing

**Mounting brackets for DIN rail  
DIN EN 50022 (7.5mm x 35mm - width 1)  
Suitable for all manifolds.**



Supplied with:  
2x plates  
2x screws M4x6 UNI 5931  
2x nuts

Part Number	Availability
PCF-EN531	✓

**New**

# Series D Valves and Solenoid Valves

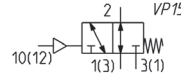
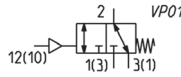
3/2, 2 x 3/2, 5/2, 5/3 way

With outlets on the body - For individual or manifold assembly

Size 10.5 - 25 mm

VALVES AND SOLENOID VALVES

## 3/2 Way Pneumatically actuated valve, monostable - Size 10.5



- ✓ Ex Stock
- 🔧 UK Assembly
- 📞 Please Call Sales Office

Part Number	Availability	Connection	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Pilot Supply Pressures (Bar)
D1PVA-P0-T	🕒	M7	NC	VP01	200	-0.9-10	2.5- 10
D1PVA-Q0-T	🕒	M7	NO	VP15	200	-0.9-10	2.5-10

### Technical Data

#### Media

Compressed, filtered and non-lubricated air in class 7.4.4 according to ISO 8573-1:2010. In case lubrication should be necessary, only use oils, with a maximum viscosity of 32 Cst and the version with external servo pilot. The air quality for the servo pilot should be of class 7.4.4 according to ISO 8573-1:2010

#### Ambient Temperature

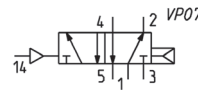
0°C to +50°C.

Full Data Sheet and Dimensions at <https://store.camozzi.co.uk>

### ACCESSORIES

STRAIGHT CONNECTION	PILOT PORT
6512 4-M7-M	6512 4-M5
6512 4-M7-M	6512 4-M5

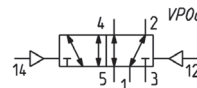
## 5/2 Way Pneumatically actuated valve, monostable - Size 10.5



Part Number	Availability	Connection	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Pilot Supply Pressures (Bar)
D1PVA-M0-T	🕒	M7	VP07	270	2.5- 10	2.5- 10

STRAIGHT CONNECTION	PILOT PORT
6512 4-M7-M	6512 4-M5

## 5/2 Way Pneumatically actuated valve, bistable - Size 10.5



Part Number	Availability	Connection	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Pilot Supply Pressures (Bar)
D1PVA-B0-T	🕒	M7	VP06	270	-0.9- 10	1.5- 7

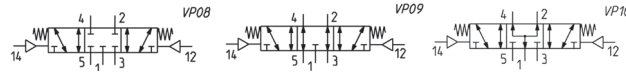
STRAIGHT CONNECTION	PILOT PORT
6512 4-M7-M	6512 4-M5



### 5/3 Way Pneumatically actuated valve - Size 10.5



- ✓ Ex Stock
- ✂ UK Assembly
- 📞 Please Call Sales Office

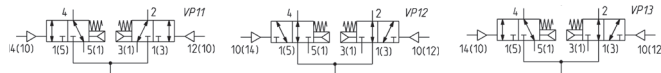


Part Number	Availability	Connection	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Pilot Supply Pressures (Bar)
D1PVA-V0-T	🕒	M7	CC	VP08	250	-0.9-10	2.5-10
D1PVA-K0-T	🕒	M7	CO	VP09	220	-0.9-10	2.5-10
D1PVA-N0-T	🕒	M7	CP	VP10	220	-0.9-10	2.5-10

#### ACCESSORIES

STRAIGHT CONNECTION	PILOT PORT
6512 4-M7-M	6512 4-M5
6512 4-M7-M	6512 4-M5
6512 4-M7-M	6512 4-M5

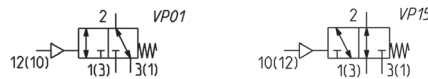
### 2x 3/2 Way Pneumatically actuated valve - Size 10.5



Part Number	Availability	Connection	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Pilot Supply Pressures (Bar)
D1PVA-C0-T	🕒	M7	NC	VP11	250	-0.9-10	2.5-10
D1PVA-A0-T	🕒	M7	NO	VP12	220	-0.9-10	2.5-10
D1PVA-G0-T	🕒	M7	NC+NO	VP13	220	-0.9-10	2.5-10

STRAIGHT CONNECTION	PILOT PORT
6512 4-M7-M	6512 4-M5
6512 4-M7-M	6512 4-M5
6512 4-M7-M	6512 4-M5

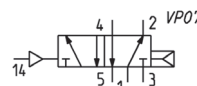
### 3/2 Way Pneumatically actuated valve, monostable - Size 25



Part Number	Availability	Connection	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Pilot Supply Pressures (Bar)
D4PVA-P0-T	🕒	3/8	NC	VP01	1800	-0.9-10	2.5-10
D4PVA-Q0-T	🕒	3/8	NO	VP15	1800	-0.9-10	2.5-10

STRAIGHT CONNECTION	ELBOW FITTING	PILOT PORT
S6510 8-3/8	S6520 8-3/8	6512 4-M5
S6510 8-3/8	S6520 8-3/8	6512 4-M5

### 5/2 Way Pneumatically actuated valve, monostable - Size 25



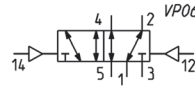
Part Number	Availability	Connection	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Pilot Supply Pressures (Bar)
D4PVA-M0-T	🕒	3/8	VP07	2000	2.5-10	2.5-10

STRAIGHT CONNECTION	ELBOW FITTING	PILOT PORT
S6510 8-3/8	S6520 8-3/8	6512 4-M5

**5/2 Way Pneumatically actuated valve, bistable - Size 25**



- ✓ Ex Stock
- 🔧 UK Assembly
- ☎ Please Call Sales Office



Part Number	Availability	Connection	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Pilot Supply Pressures (Bar)
D4PVA-B0-T	☎	3/8	VP06	2000	-0.9-10	1.5-10

**ACCESSORIES**

STRAIGHT CONNECTION	ELBOW FITTING	PILOT PORT
S6510 8-3/8	S6520 8-3/8	6512 4-M5

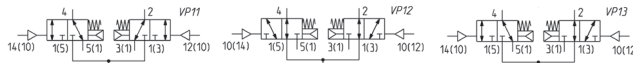
**5/3 Way Pneumatically actuated valve - Size 25**



Part Number	Availability	Connection	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Pilot Supply Pressures (Bar)
D4PVA-V0-T	☎	3/8	CC	VP08	1800	-0.9-10	2.5-10
D4PVA-K0-T	☎	3/8	CO	VP09	1800	-0.9-10	2.5-10
D4PVA-N0-T	☎	3/8	CP	VP10	1800	-0.9-10	2.5-10

STRAIGHT CONNECTION	ELBOW FITTING	PILOT PORT
S6510 8-3/8	S6520 8-3/8	6512 4-M5
S6510 8-3/8	S6520 8-3/8	6512 4-M5
S6510 8-3/8	S6520 8-3/8	6512 4-M5

**2x 3/2 Way Pneumatically actuated valve - Size 25**



Part Number	Availability	Connection	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Pilot Supply Pressures (Bar)
D4PVA-C0-T	☎	3/8	NC	VP11	1800	-0.9-10	3-10
D4PVA-A0-T	☎	3/8	NO	VP12	1800	-0.9-10	3-10
D4PVA-G0-T	☎	3/8	NO+NC	VP13	1800	-0.9-10	3-10

STRAIGHT CONNECTION	ELBOW FITTING	PILOT PORT
S6510 8-3/8	S6520 8-3/8	6512 4-M5
S6510 8-3/8	S6520 8-3/8	6512 4-M5
S6510 8-3/8	S6520 8-3/8	6512 4-M5

### 3/2 Way Solenoid Valve, monostable - Size 10.5



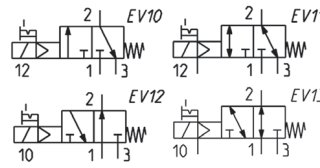
- ✓ Ex Stock
- 🔧 UK Assembly
- 📞 Please Call Sales Office

#### Micro Plugin Connector

Part Number	Availability	Connection	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Pilot Supply Pressures (Bar)
D1EVA-PR-T	🕒	M7	NC	EV10	200	2.5-7	-
D1EVA-PZR-T	🕒	M7	NC	EV11	200	-0.9-10	2.5-7
D1EVA-QR-T	🕒	M7	NO	EV12	200	2.5-7	-
D1EVA-QZR-T	🕒	M7	NO	EV13	200	-0.9-10	2.5-7

#### Electric M8 Connector

Part Number	Availability	Connection	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Pilot Supply Pressures (Bar)
D1CVA-PR-T	🕒	M7	NC	EV10	200	2.5-7	-
D1CVA-PZR-T	🕒	M7	NC	EV11	200	-0.9-10	2.5-7
D1CVA-QR-T	🕒	M7	NO	EV12	200	2.5-7	-
D1CVA-QZR-T	🕒	M7	NO	EV13	200	-0.9-10	2.5-7



#### ACCESSORIES

STRAIGHT CONNECTION	PILOT PORT
6512 4-M7-M	6512 4-M5
6512 4-M7-M	6512 4-M5
6512 4-M7-M	6512 4-M5
6512 4-M7-M	6512 4-M5

### 5/2 Way Solenoid Valve, monostable - Size 10.5



#### Micro Plugin Connector

Part Number	Availability	Connection	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Pilot Supply Pressures (Bar)
D1EVA-MR-T	🕒	M7	EV21	270	2.5-7	-
D1EVA-MZR-T	🕒	M7	EV22	270	-0.9-10	2.5-7

#### Electric M8 Connector

Part Number	Availability	Connection	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Pilot Supply Pressures (Bar)
D1CVA-MR-T	🕒	M7	EV21	270	2.5-7	-
D1CVA-MZR-T	🕒	M7	EV22	270	-0.9-10	2.5-7



#### ACCESSORIES

STRAIGHT CONNECTION	PILOT PORT
6512 4-M7-M	6512 4-M5
6512 4-M7-M	6512 4-M5



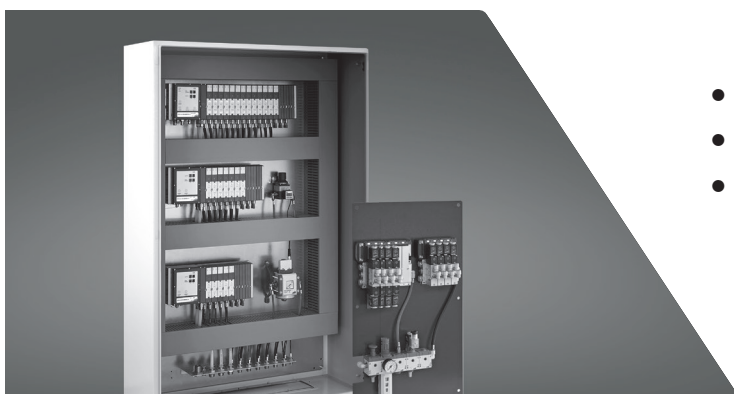
Main



Section

VALVES AND SOLENOID VALVES

# Customised Solutions

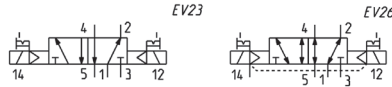


- Pre-Assembled Kits
- Special Products
- Control Cabinets and Systems

**5/2 Way Solenoid Valve, bistable - Size 10.5**



- ✓ Ex Stock
- 🔧 UK Assembly
- 📞 Please Call Sales Office



Micro Plugin Connector

Part Number	Availability	Connection	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Pilot Supply Pressures (Bar)
D1EVA-BR-T	☉	M7	EV23	270	1.5-7	-
D1EVA-BZR-T	☉	M7	EV26	270	-0.9-10	1.5-7

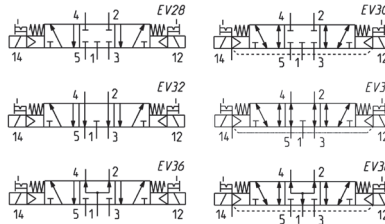
Electric M8 Connector

Part Number	Availability	Connection	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Pilot Supply Pressures (Bar)
D1CVA-BR-T	☉	M7	EV23	270	1.5-7	-
D1CVA-BZR-T	☉	M7	EV26	270	-0.9-10	1.5-7

ACCESSORIES

STRAIGHT CONNECTION	PILOT PORT
6512 4-M7-M	6512 4-M5
6512 4-M7-M	6512 4-M5

**5/3 Way Solenoid Valve - Size 10.5**



Micro Plugin Connector

Part Number	Availability	Connection	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Pilot Supply Pressures (Bar)
D1EVA-VR-T	☉	M7	CC	EV28	250	2.5-7	-
D1EVA-VZR-T	☉	M7	CC	EV30	250	-0.9-10	2.5-7
D1EVA-KR-T	☉	M7	CO	EV32	220	2.5-7	-
D1EVA-KZR-T	☉	M7	CO	EV33	220	-0.9-10	2.5-7
D1EVA-NR-T	☉	M7	CP	EV36	220	2.5-7	-
D1EVA-NZR-T	☉	M7	CP	EV38	220	-0.9-10	2.5-7

Micro Plugin Connector

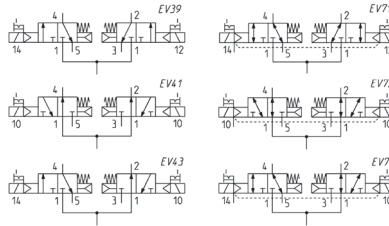
Part Number	Availability	Connection	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Pilot Supply Pressures (Bar)
D1CVA-VR-T	☉	M7	CC	EV28	250	2.5-7	-
D1CVA-VZR-T	☉	M7	CC	EV30	250	-0.9-10	2.5-7
D1CVA-KR-T	☉	M7	CO	EV32	220	2.5-7	-
D1CVA-KZR-T	☉	M7	CO	EV33	220	-0.9-10	2.5-7
D1CVA-NR-T	☉	M7	CP	EV36	220	2.5-7	-
D1CVA-NZR-T	☉	M7	CP	EV38	220	-0.9-10	2.5-7

ACCESSORIES

STRAIGHT CONNECTION	PILOT PORT
6512 4-M7-M	6512 4-M5
6512 4-M7-M	6512 4-M5
6512 4-M7-M	6512 4-M5
6512 4-M7-M	6512 4-M5
6512 4-M7-M	6512 4-M5
6512 4-M7-M	6512 4-M5



### 2x3/2 Way Solenoid Valve - Size 10.5



- ✓ Ex Stock
- 🔧 UK Assembly
- 📞 Please Call Sales Office

Micro Plugin Connector

Part Number	Availability	Connection	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Pilot Supply Pressures (Bar)
D1EVA-CR-T	🕒	M7	2 x 3/2 NC	EV39	250	2.5-7	-
D1EVA-CZR-T	🕒	M7	2 x 3/2 NC	EV71	250	-0.9-10	2.5-7
D1EVA-AR-T	🕒	M7	2 x 3/2 NO	EV41	220	2.5-7	-
D1EVA-AZR-T	🕒	M7	2 x 3/2 NO	EV72	220	-0.9-10	2.5-7
D1EVA-GR-T	🕒	M7	1 x 3/2 NC +1 x 3/2 NO	EV43	220	2.5-7	-
D1EVA-GZR-T	🕒	M7	1 x 3/2 NC +1 x 3/2 NO	EV73	220	-0.9-10	2.5-7

Micro Plugin Connector

Part Number	Availability	Connection	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Pilot Supply Pressures (Bar)
D1CVA-CR-T	🕒	M7	2 x 3/2 NC	EV39	250	2.5-7	-
D1CVA-CZR-T	🕒	M7	2 x 3/2 NC	EV71	250	-0.9-10	2.5-7
D1CVA-AR-T	🕒	M7	2 x 3/2 NO	EV41	220	2.5-7	-
D1CVA-AZR-T	🕒	M7	2 x 3/2 NO	EV72	220	-0.9-10	2.5-7
D1CVA-GR-T	🕒	M7	1 x 3/2 NC +1 x 3/2 NO	EV43	220	2.5-7	-
D1CVA-GZR-T	🕒	M7	1 x 3/2 NC +1 x 3/2 NO	EV73	220	-0.9-10	2.5-7

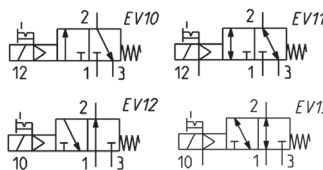
#### ACCESSORIES

STRAIGHT CONNECTION	PILOT PORT
6512 4-M7-M	6512 4-M5
6512 4-M7-M	6512 4-M5
6512 4-M7-M	6512 4-M5
6512 4-M7-M	6512 4-M5
6512 4-M7-M	6512 4-M5
6512 4-M7-M	6512 4-M5

VALVES AND SOLENOID VALVES



### 3/2 Way Solenoid Valve, monostable - Size 25



Micro Plugin Connector

Part Number	Availability	Connection	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Pilot Supply Pressures (Bar)
D43VA-PR-T	🕒	3/8	NC	EV10	1800	2.5-10	-
D43VA-PZR-T	🕒	3/8	NC	EV11	1800	-0.9-10	2.5-10
D43VA-QR-T	🕒	3/8	NO	EV12	1800	2.5-7	-
D43VA-QZR-T	🕒	3/8	NO	EV13	1800	-0.9-10	2.5-10

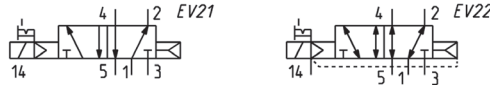
#### ACCESSORIES

STRAIGHT CONNECTION	ELBOW FITTING	PILOT PORT
S6510 8-3/8	S6520 8-3/8	6512 4-M5
S6510 8-3/8	S6520 8-3/8	6512 4-M5
S6510 8-3/8	S6520 8-3/8	6512 4-M5
S6510 8-3/8	S6520 8-3/8	6512 4-M5

**5/2 Way Solenoid Valve, monostable - Size 25**



- ✓ Ex Stock
- 🇬🇧 UK Assembly
- ☎ Please Call Sales Office

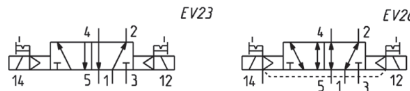


Part Number	Availability	Connection	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Pilot Supply Pressures (Bar)
D43VA-MR-T	☉	3/8	EV21	2000	2.5-10	-
D43VA-MZR-T	☉	3/8	EV22	2000	-0.9-10	2.5-10

**ACCESSORIES**

STRAIGHT CONNECTION	ELBOW FITTING	PILOT PORT
S6510 8-3/8	S6520 8-3/8	6512 4-M5
S6510 8-3/8	S6520 8-3/8	6512 4-M5

**5/2 Way Solenoid Valve, bistable - Size 25**



Part Number	Availability	Connection	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Pilot Supply Pressures (Bar)
D43VA-BR-T	☉	3/8	EV23	2000	1.5-10	-
D43VA-BZR-T	☉	3/8	EV26	2000	-0.9-10	1.5-10

**ACCESSORIES**

STRAIGHT CONNECTION	ELBOW FITTING	PILOT PORT
S6510 8-3/8	S6520 8-3/8	6512 4-M5
S6510 8-3/8	S6520 8-3/8	6512 4-M5

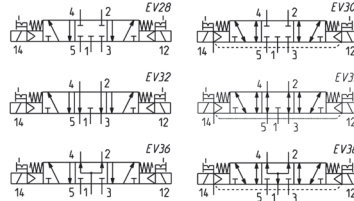


Main



Section

**5/3 Way Solenoid Valve - Size 25**

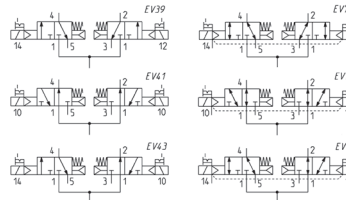


Part Number	Availability	Connection	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Pilot Supply Pressures (Bar)
D43VA-VR-T	☉	3/8	CC	EV28	1800	2.5-10	-
D43VA-VZR-T	☉	3/8	CC	EV30	1800	-0.9-10	2.5-10
D43VA-KR-T	☉	3/8	CO	EV32	1800	2.5-10	-
D43VA-KZR-T	☉	3/8	CO	EV33	1800	-0.9-10	2.5-10
D43VA-NR-T	☉	3/8	CP	EV36	1800	2.5-10	-
D43VA-NZR-T	☉	3/8	CP	EV38	1800	-0.9-10	2.5-10

**ACCESSORIES**

STRAIGHT CONNECTION	ELBOW FITTING	PILOT PORT
S6510 8-3/8	S6520 8-3/8	6512 4-M5
S6510 8-3/8	S6520 8-3/8	6512 4-M5
S6510 8-3/8	S6520 8-3/8	6512 4-M5
S6510 8-3/8	S6520 8-3/8	6512 4-M5
S6510 8-3/8	S6520 8-3/8	6512 4-M5
S6510 8-3/8	S6520 8-3/8	6512 4-M5

**2x3/2 Way Solenoid Valve - Size 25**



Part Number	Availability	Connection	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Pilot Supply Pressures (Bar)
D43VA-CR-T	☉	3/8	2 x 3/2 NC	EV39	1800	3.5-10	-
D43VA-CZR-T	☉	3/8	2 x 3/2 NC	EV71	1800	-0.9-10	3.5-10
D43VA-AR-T	☉	3/8	2 x 3/2 NO	EV41	1800	3.5-10	-
D43VA-AZR-T	☉	3/8	2 x 3/2 NO	EV72	1800	-0.9-10	3.5-10
D43VA-GR-T	☉	3/8	1 x 3/2 NC + 1 x 3/2 NO	EV43	1800	3.5-10	-
D43VA-GZR-T	☉	3/8	1 x 3/2 NC + 1 x 3/2 NO	EV73	1800	-0.9-10	3.5-10

**ACCESSORIES**

STRAIGHT CONNECTION	ELBOW FITTING	PILOT PORT
S6510 8-3/8	S6520 8-3/8	6512 4-M5
S6510 8-3/8	S6520 8-3/8	6512 4-M5
S6510 8-3/8	S6520 8-3/8	6512 4-M5
S6510 8-3/8	S6520 8-3/8	6512 4-M5
S6510 8-3/8	S6520 8-3/8	6512 4-M5
S6510 8-3/8	S6520 8-3/8	6512 4-M5

## CODING EXAMPLE

<b>D</b>	<b>1</b>	<b>E</b>	<b>VA</b>	<b>-</b>	<b>B</b>	<b>P</b>	<b>-</b>	<b>BS</b>
----------	----------	----------	-----------	----------	----------	----------	----------	-----------

<b>D</b>	SERIES	
<b>1</b>	SIZE: 1 = 10,5 mm 4 = 25 mm	
<b>F</b>	ACTUATION: E = electric (only for D1) 3 = electric 15 mm (only for D4) C = electric with M8 connections (only for D1) P = pneumatic	
<b>VA</b>	COMPONENT: VA = Valve with threaded body	
<b>B</b>	TYPE OF SOLENOID VALVE: M (MZ) = 5/2 Monostable B (BZ) = 5/2 Bistable P (PZ) = 3/2 NC Q (QZ) = 3/2 NO C (CZ) = 2 x 3/2 NC A (AZ) = 2 x 3/2 NO G (GZ) = 2 x 3/2 (NC+NO) N (NZ) = 5/3 CP V (VZ) = 5/3 CC K (KZ) = 5/3 CO	(.Z) = version with external servo pilot, not for version P
<b>P</b>	TYPE OF MANUAL OVERRIDE: P = push button (not for D4) R = with push and turn device 0 = without manual override (for version P)	
<b>DS</b>	CONNECTIONS: T = Thread A (AS) = Ø4 (D1) fittings 6512 4-M7-M (silencer 2931 M7) B (BS) = Ø6 (D1) fittings 6512 6-M7-M (silencer 2931 M7) D (DS) = Ø10 (D4) fittings 6512 10-3/8 (silencer 2931 3/8) E (ES) = Ø12 (D4) fittings 6512 12-3/8 (silencer 2931 3/8) F (FS) = Ø14 (D4) fittings 6512 14-3/8 (silencer 2931 3/8)	(.S) version with silencer
For alternating current applications, use a connector with bridge rectifier, only for D4. (See the connectors at the end of this section)		



Main



Section

# UK Cylinder Service



## Reduce Lead Times for Pneumatic Cylinders

- Built the same or next day
- Includes many cylinder types

**Manifolds for Valves with outlets on the body**






- ✓ Ex Stock
- 🔧 UK Assembly
- 📞 Please Call Sales Office

Part Number	Availability	Number of Positions
Sub-base (with outlets on the body) Size 10.5		
DCA10-2	🕒	2
DCA10-3	🕒	3
DCA10-4	🕒	4
DCA10-5	🕒	5
DCA10-6	🕒	6
DCA10-7	🕒	7
DCA10-8	🕒	8
DCA10-9	🕒	9
DCA10-10	🕒	10
DCA10-11	🕒	11
DCA10-12	🕒	12
DCA10-13	🕒	13
DCA10-14	🕒	14
DCA10-15	🕒	15
DCA10-16	🕒	16
DCA10-17	🕒	17
DCA10-18	🕒	18
DCA10-19	🕒	19

Sub-base (with outlets on the body) Size 25		
DCA40-2	🕒	2
DCA40-3	🕒	3
DCA40-4	🕒	4
DCA40-5	🕒	5
DCA40-6	🕒	6
DCA40-7	🕒	7
DCA40-8	🕒	8
DCA40-9	🕒	9
DCA40-10	🕒	10
DCA40-11	🕒	11
DCA40-12	🕒	12
DCA40-13	🕒	13
DCA40-14	🕒	14
DCA40-15	🕒	15
DCA40-16	🕒	16
DCA40-17	🕒	17
DCA40-18	🕒	18
DCA40-19	🕒	19

**ACCESSORIES**

INLET FITTING	SILENCER	BLANKING PLUG
		
S6510 6-1/8	2901 1/8	S2610 1/8
S6510 6-1/8	2901 1/8	S2610 1/8
S6510 6-1/8	2901 1/8	S2610 1/8
S6510 6-1/8	2901 1/8	S2610 1/8
S6510 6-1/8	2901 1/8	S2610 1/8
S6510 6-1/8	2901 1/8	S2610 1/8
S6510 6-1/8	2901 1/8	S2610 1/8
S6510 6-1/8	2901 1/8	S2610 1/8
S6510 6-1/8	2901 1/8	S2610 1/8
S6510 6-1/8	2901 1/8	S2610 1/8
S6510 6-1/8	2901 1/8	S2610 1/8
S6510 6-1/8	2901 1/8	S2610 1/8
S6510 6-1/8	2901 1/8	S2610 1/8
S6510 6-1/8	2901 1/8	S2610 1/8
S6510 6-1/8	2901 1/8	S2610 1/8
S6510 6-1/2	2901 1/2	S2610 1/2
S6510 6-1/2	2901 1/2	S2610 1/2
S6510 6-1/2	2901 1/2	S2610 1/2
S6510 6-1/2	2901 1/2	S2610 1/2
S6510 6-1/2	2901 1/2	S2610 1/2
S6510 6-1/2	2901 1/2	S2610 1/2
S6510 6-1/2	2901 1/2	S2610 1/2
S6510 6-1/2	2901 1/2	S2610 1/2
S6510 6-1/2	2901 1/2	S2610 1/2
S6510 6-1/2	2901 1/2	S2610 1/2
S6510 6-1/2	2901 1/2	S2610 1/2
S6510 6-1/2	2901 1/2	S2610 1/2
S6510 6-1/2	2901 1/2	S2610 1/2
S6510 6-1/2	2901 1/2	S2610 1/2
S6510 6-1/2	2901 1/2	S2610 1/2
S6510 6-1/2	2901 1/2	S2610 1/2

**CODING EXAMPLE**

DC	A	1	0	-	12
<b>DC</b> SERIES: DC		<b>1</b> SIZE: 1 = SIZE 10.5 4 = SIZE 25			<b>12</b> N° OF POSITION: 2 3 4 ... 19
<b>A</b> MANIFOLD: A = For type VA valves		<b>0</b> BODY TYPE: 0 = body for sub-base assembly			



## CODING EXAMPLE MANIFOLD WITH VALVES AND FITTINGS

DC	A	1	E	P	-	MBMXCVB	-	3BX2AB	-	CSL	-	R
----	---	---	---	---	---	---------	---	--------	---	-----	---	---

<b>DC</b>	SERIES: DC											
<b>A</b>	MANIFOLD WITH VALVES: A = For type VA valve					<b>3BX2AB</b>		CONNECTIONS ON VALVE POSITIONS T = Thread A = Fittings Ø4 (D1) B = Fittings Ø6 (D1) C = Fittings Ø8 (D4) D = Fittings Ø10 (D4) E = Fittings Ø12 (D4) F = Fittings Ø14 (D4) L = Free position (code D1AVA-L) X = Additional supply and exhaust (code D1AVA-X) Y = Additional supply and exhaust with silencer (code D1AVA-Y)				
<b>1</b>	SIZE 1 = SIZE 10,5 4 = SIZE 25											
<b>E</b>	ACTUATION E = Electric P = Pneumatic C = Electric with M8 connector (D1) 3 = Electric with solenoid 15 mm (D4)											
<b>P</b>	TYPE OF MANUAL OVERRIDE P = push button (not for D4) R = with push and turn device 0 = without manual override (for version P)					<b>CSL</b>		MANIFOLD CONNECTIONS T = Thread C (CS) = Fittings Ø 8, 6512 8-1/8-M (Silnecer 2931 1/8) D (DS) = Fittings Ø 10, 6512 10-1/8-M (Silnecer 2931 1/8) E (ES) = Fittings Ø 12, S6510 12-1/2 (Silnecer 2931 1/2) F (FS) = Fittings Ø 14, S6510 14-1/2 (Silnecer 2931 1/2) G (GS) = Fittings Ø 16, S6510 16-1/2 (Silnecer 2931 1/2)  CONNECTION SIDE = both L = left (right closed) R = right (left closed) (.S) Version with silencer				
<b>MBMXCVB</b>	TYPE OF VALVE / SOLENOID VALVE M (MZ) = 5/2 Monostable B (BZ) = 5/2 Bistable C (CZ) = 2 x 3/2 NC A (AZ) = 2 x 3/2 NO G (GZ) = 2 x 3/2 (NC + NO) V (VZ) = 5/3 CC K (KZ) = 5/3 CO N (NZ) = 5/3 CP L = Free position X = Additional supply and exhaust Y = Additional supply and exhaust with silencer  (.Z) = Version with external servo pilot, not for version P											
						<b>R</b>		FIXING: = DIRECT R = PORT FOR DIN RAIL				



Main



Section

## Series D Accessories

- ✓ Ex Stock
- 🇬🇧 UK Assembly
- 📞 Please Call Sales Office

## Mounted Brackets for DIN Rail



Part Number	Availability
PCF-E520	🕒

Blanking plate for manifolds  
(Free position L)

Part Number	Availability	Size
D1AVA-L	🕒	10.5
D4AVA-L	🕒	25

## Module X for additional supply and exhaust for size 10.5



Part Number	Availability	Size
D1AVA-X	🕒	11

## Module Y for additional supply and exhaust with silencer for size 10.5



Part Number	Availability	Size
D1AVA-Y	🕒	11

## Module X for additional supply and exhaust for size 25



Part Number	Availability	Size
D4AVA-X	🕒	25.5

## Module Y for additional supply and exhaust with silencer for size 25

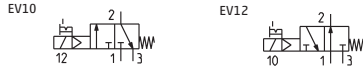


Part Number	Availability	Size
D4AVA-Y	🕒	25.5

# Series 3 and 4 Electropneumatically Operated Valves

Connections: Series 3 - 1/8, 1/4, 3/2 - way, 5/2 - way, 5/3 - way and 2 x 3/2 - way  
Series 4 - 1/8, 1/4 and 1/2, 3/2, 5/2 and 5/3 - way

## 3/2 - way single solenoid valve - 1/8 - N.C. and N.O.



### Technical Data

#### Media

Filtered air, without lubrication.

If lubricated air is used, it is

recommended to use oil ISO VG32.

Once applied the lubrication should never be interrupted

#### Operating Temperature

0°C to +60°C

(with dry air -20°C to +60°C)

Full Data Sheet and Dimensions at

<https://store.camozzi.co.uk>



Main



Section

- ✓ Ex Stock
- ✎ UK Assembly
- ☎ Please Call Sales Office

Part Number	Availability	Mounting	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)
338-015-02-*	✓	in-line	3/2 NC	EV10	700	2.5-10
338L-015-02-*	✓	on manifold	3/2 NC	EV10	700	2.5-10
348-015-02-*	✓	in-line	3/2 NO	EV12	700	2.5-10
348L-015-02-*	✓	on manifold	3/2 NO	EV12	700	2.5-10

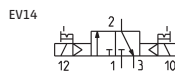
\*Coil sold separately, see page opposite for voltage options (U7 Solenoid Coils)

### ACCESSORIES

COILS	CONNECTOR WITH 3M CABLE	STRAIGHT CONNECTION	ELBOW FITTING
U7*	MB135000PA05300	S6510 6-1/8	S6520 6-1/8
U7*	MB135000PA05300	S6510 6-1/8	S6520 6-1/8
U7*	MB135000PA05300	S6510 6-1/8	S6520 6-1/8
U7*	MB135000PA05300	S6510 6-1/8	S6520 6-1/8

For more connector options, including LED versions please see page 134-137

## 3/2 - way double solenoid valve - 1/8 N.C



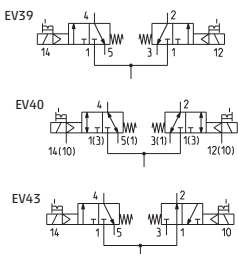
Part Number	Availability	Mounting	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)
338-011-02-*	✓	in-line	3/2 NC	EV14	700	1.5-10
338L-011-02-*	✓	on manifold	3/2 NC	EV14	700	1.5-10

\*Coil sold separately, see page opposite for voltage options (U7 Solenoid Coils)

COILS	CONNECTOR WITH 3M CABLE	STRAIGHT CONNECTION	ELBOW FITTING
U7*x2	MB135000PA05300x2	S6510 6-1/8	S6520 6-1/8
U7*x2	MB135000PA05300x2	S6510 6-1/8	S6520 6-1/8

For more connector options, including LED versions please see page 134-137

2 x 3/2 - way double solenoid valve - 1/8 - N.C. and N.O.

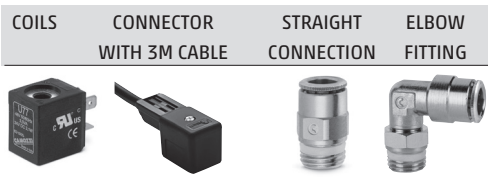


- ✓ Ex Stock
- ✎ UK Assembly
- ☎ Please Call Sales Office

Part Number	Availability	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Minimum Pilot Pressures (Bar)
338D-015-02-*	✓	3/2 NC	EV39	700	2.5-10	-
338D-E15-02-*	✓	3/2 NC	EV40	700	-0.9-10	2.5
398D-015-02-*	✓	1x3/2 NC + 1x3/2 NO	EV43	700	2.5-10	-
348D-015-02-*	✓	3/2 NO	EV41	700	2.5-10	2.5
348D-E15-02-*	✓	3/2 NO	EV44	700	-0.9-10	2.5
398D-E15-02-*	✓	1x3/2 NC + 1x3/2 NO	EV42	700	-0.9-10	2.5

\*Coil sold separately, see page below for voltage options (U7 Solenoid Coils)

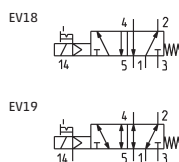
ACCESSORIES



COILS	CONNECTOR WITH 3M CABLE	STRAIGHT CONNECTION	ELBOW FITTING
U7*x2 MB135000PA05300x2		S6510 6-1/8	S6520 6-1/8
U7*x2 MB135000PA05300x2		S6510 6-1/8	S6520 6-1/8
U7*x2 MB135000PA05300x2		S6510 6-1/8	S6520 6-1/8
U7*x2 MB135000PA05300x2		S6510 6-1/8	S6520 6-1/8
U7*x2 MB135000PA05300x2		S6510 6-1/8	S6520 6-1/8

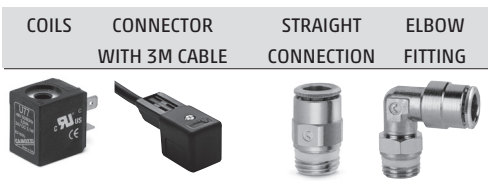
For more connector options, including LED versions please see page 134-137

5/2 - way single solenoid valve - 1/8



Part Number	Availability	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Minimum Pilot Pressures (Bar)
358-015-02-*	✓	5/2	EV18	700	2.5-10	-
358-E15-02-*	✓	5/2	EV19	700	-0.9-10	2.5

\*Coil sold separately, see page below for voltage options (U7 Solenoid Coils)



U7* MB135000PA05300	S6510 6-1/8	S6520 6-1/8
U7* MB135000PA05300	S6510 6-1/8	S6520 6-1/8

For more connector options, including LED versions please see page 134-137

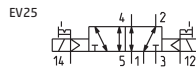
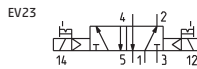
# U7\* Solenoid Coils

Solenoid Voltages U7 (Material = PET)			
U7H	24V	50/60 Hz	3.5VA
	12V	DC	3.1W
U7K	110V	AC 50/60Hz	4.3VA
	125V	AC 50/60Hz	5.5VA

Solenoid Voltages U7 (Material = PET)			
U7J	230V	50/60Hz	3.5VA
	240V	50/60Hz	4VA
U77	24V	DC	3W



**5/2 - way double solenoid valve - 1/8**



- ✓ Ex Stock
- 🔧 UK Assembly
- 📞 Please Call Sales Office

Part Number	Availability	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Minimum Pilot Pressures (Bar)
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358-011-02-*	✓	5/2	EV23	700	1.5-10	-
358-E11-02-*	✓	5/2	EV25	700	-0.9-10	1.5-10

\*Coil sold separately, see page opposite for voltage options (U7 Solenoid Coils)

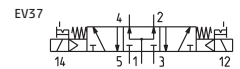
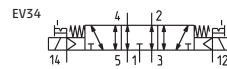
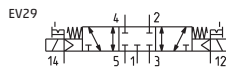
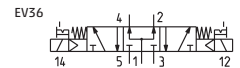
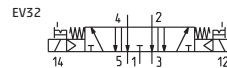
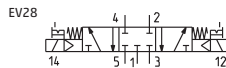
**ACCESSORIES**

COILS	CONNECTOR WITH 3M CABLE	STRAIGHT CONNECTION	ELBOW FITTING

U7*x2	MB135000PA05300x2	S6510 6-1/8	S6520 6-1/8
U7*x2	MB135000PA05300x2	S6510 6-1/8	S6520 6-1/8

For more connector options, including LED versions please see page 134-137

**5/3 - way double solenoid valve - 1/8 - C.C., C.O. and C.P.**



Part Number	Availability	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Minimum Pilot Pressures (Bar)
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368-011-02-*	✓	5/3 CC	EV28	700	2-10	-
368-E11-02-*	✓	5/3 CC	EV29	700	-0.9-10	2-10
378-011-02-*	✓	5/3 CO	EV32	700	2-10	-
378-E11-02-*	✓	5/3 CO	EV34	700	-0.9-10	2-10
388-011-02-*	✓	5/3 CP	EV36	700	2-10	-
388-E11-02-*	✓	5/3 CP	EV37	700	-0.9-10	2-10

\*Coil sold separately, see page opposite for voltage options (U7 Solenoid Coils)

**ACCESSORIES**

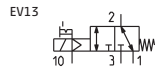
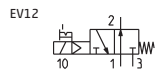
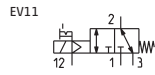
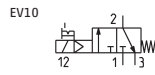
COILS	CONNECTOR WITH 3M CABLE	STRAIGHT CONNECTION	ELBOW FITTING

U7*x2	MB135000PA05300x2	S6510 6-1/8	S6520 6-1/8
U7*x2	MB135000PA05300x2	S6510 6-1/8	S6520 6-1/8
U7*x2	MB135000PA05300x2	S6510 6-1/8	S6520 6-1/8
U7*x2	MB135000PA05300x2	S6510 6-1/8	S6520 6-1/8
U7*x2	MB135000PA05300x2	S6510 6-1/8	S6520 6-1/8
U7*x2	MB135000PA05300x2	S6510 6-1/8	S6520 6-1/8

For more connector options, including LED versions please see page 134-137



**3/2 - way single solenoid valve - 1/4 - N.C. and N.O.**



- ✓ Ex Stock
- ✍ UK Assembly
- ☎ Please Call Sales Office

Part Number	Availability	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Minimum Pilot Pressures (Bar)
334-015-02-*	✓	3/2 NC	EV10	1300	2.5-10	-
334-E15-02-*	✓	3/2 NC	EV11	1300	-0.9-10	2.5-10
344-015-02-*	✓	3/2 NO	EV12	1300	2.5-10	-
344-E15-02-*	✓	3/2 NO	EV13	1300	-0.9-10	2.5-10

\*Coil sold separately, see below for voltage options (U7 Solenoid Coils)

**ACCESSORIES**

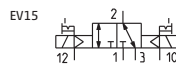
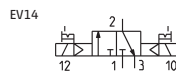
COILS	CONNECTOR WITH 3M CABLE	STRAIGHT CONNECTION	ELBOW FITTING
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U7*	MB135000PA05300	S6510 6-1/4	S6520 6-1/4
U7*	MB135000PA05300	S6510 6-1/4	S6520 6-1/4
U7*	MB135000PA05300	S6510 6-1/4	S6520 6-1/4
U7*	MB135000PA05300	S6510 6-1/4	S6520 6-1/4

For more connector options, including LED versions please see page 134-137

**3/2 - way double solenoid valve - 1/4 N.C.**



Part Number	Availability	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Minimum Pilot Pressures (Bar)
334-011-02-*	✓	3/2 NC	EV14	1300	2.5-10	-
334-E11-02-*	✓	3/2 NC	EV15	1300	-0.9-10	2.5-10

\*Coil sold separately, see below for voltage options (U7 Solenoid Coils)

**ACCESSORIES**

COILS	CONNECTOR WITH 3M CABLE	STRAIGHT CONNECTION	ELBOW FITTING
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U7*x2	MB135000PA05300x2	S6510 6-1/4	S6520 6-1/4
U7*x2	MB135000PA05300x2	S6510 6-1/4	S6520 6-1/4

For more connector options, including LED versions please see page 134-137

## U7\* Solenoid Coils

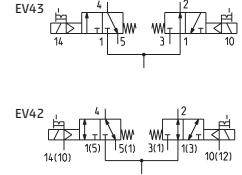
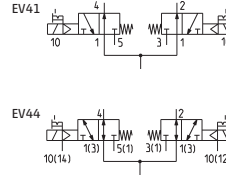
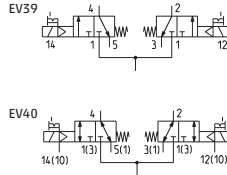
Solenoid Voltages U7 (Material = PET)			
U7H	24V	50/60 Hz	3.5VA
	12V	DC	3.1W
U7K	110V	AC 50/60Hz	4.3VA
	125V	AC 50/60Hz	5.5VA

Solenoid Voltages U7 (Material = PET)			
U7J	230V	50/60Hz	3.5VA
	240V	50/60Hz	4VA
U77	24V	DC	3W

For full range of solenoid coils please see page 133



**2 x 3/2 - way double solenoid valve - 1/4" - N.C. and N.O.**



- ✓ Ex Stock
- 🔧 UK Assembly
- 📞 Please Call Sales Office

Part Number	Availability	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Minimum Pilot Pressures (Bar)
334D-015-02-*	✓	3/2 NC	EV39	1200	2.5-10	-
334D-E15-02-*	✓	3/2 NC	EV40	1200	-0.9-10	2.5-10
344D-015-02-*	✓	3/2 NO	EV41	1050	2.5-10	-
344D-E15-02-*	✓	3/2 NO	EV44	1050	-0.9-10	2.5-10
394D-015-02-*	✓	1x3/2 NC + 1x3/2 NO	EV43	1050	2-10	-
394D-E15-02-*	✓	1x3/2 NC + 1x3/2 NO	EV42	1050	-0.9-10	2.5-10

\*Coil sold separately, see page opposite for voltage options (U7 Solenoid Coils)

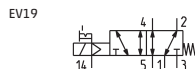
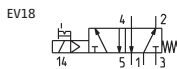
**ACCESSORIES**

COILS	CONNECTOR WITH 3M CABLE	STRAIGHT CONNECTION	ELBOW FITTING

U7*x2	MB135000PA05300x2	S6510 8-1/4	S6520 8-1/4
U7*x2	MB135000PA05300x2	S6510 8-1/4	S6520 8-1/4
U7*x2	MB135000PA05300x2	S6510 8-1/4	S6520 8-1/4
U7*x2	MB135000PA05300x2	S6510 8-1/4	S6520 8-1/4
U7*x2	MB135000PA05300x2	S6510 8-1/4	S6520 8-1/4
U7*x2	MB135000PA05300x2	S6510 8-1/4	S6520 8-1/4

For more connector options, including LED versions please see page 134-137

**5/2 - way single solenoid valve - 1/4"**



Part Number	Availability	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Minimum Pilot Pressures (Bar)
354-015-02-*	✓	5/2	EV18	1300	2.5-10	-
354-E15-02-*	✓	5/2	EV19	1300	-0.9-10	2.5-10

\*Coil sold separately, see page opposite for voltage options (U7 Solenoid Coils)

**ACCESSORIES**

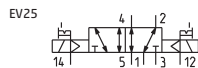
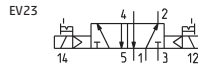
COILS	CONNECTOR WITH 3M CABLE	STRAIGHT CONNECTION	ELBOW FITTING

U7*	MB135000PA05300	S6510 8-1/4	S6520 8-1/4
U7*	MB135000PA05300	S6510 8-1/4	S6520 8-1/4

For more connector options, including LED versions please see page 134-137

The company reserves the right to vary models and dimensions without notice. Products designed for industrial applications. General terms and conditions for sale are available on [www.camozzi.co.uk](http://www.camozzi.co.uk)

**5/2 - way double solenoid valve - 1/4**



- ✓ Ex Stock
- ✎ UK Assembly
- ☎ Please Call Sales Office

Part Number	Availability	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Minimum Pilot Pressures (Bar)
-------------	--------------	----------	--------	--------------------	---------------------------	-------------------------------

354-011-02-*	✓	5/2	EV23	1300	2.5-10	-
354-E11-02-*	✓	5/2	EV25	1300	-0.9-10	2.5-10

\*Coil sold separately, see page below for voltage options (U7 Solenoid Coils)

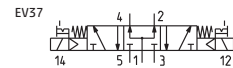
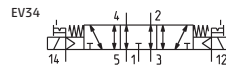
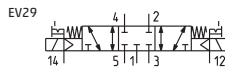
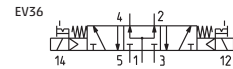
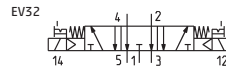
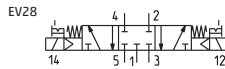
**ACCESSORIES**

COILS	CONNECTOR WITH 3M CABLE	STRAIGHT CONNECTION	ELBOW FITTING

U7*x2	MB135000PA05300x2	S6510 8-1/4	S6520 8-1/4
U7*x2	MB135000PA05300x2	S6510 8-1/4	S6520 8-1/4

For more connector options, including LED versions please see page 134-137

**5/3 - way double solenoid valve - 1/4 - C.C., C.O. and C.P.**



Part Number	Availability	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Minimum Pilot Pressures (Bar)
-------------	--------------	----------	--------	--------------------	---------------------------	-------------------------------

364-011-02-*	✓	5/3 CC	EV28	1200	2.5-10	-
364-E11-02-*	✓	5/3 CC	EV29	1200	-0.9-10	2.5-10
374-011-02-*	✓	5/3 CO	EV32	1200	2.5-10	-
374-E11-02-*	✓	5/3 CO	EV34	1200	-0.9-10	2.5-10
384-011-02-*	✓	5/3 CP	EV36	1200	2.5-10	-
384-E11-02-*	✓	5/3 CP	EV37	1200	-0.9-10	2.5-10

\*Coil sold separately, see page below for voltage options (U7 Solenoid Coils)

**ACCESSORIES**

COILS	CONNECTOR WITH 3M CABLE	STRAIGHT CONNECTION	ELBOW FITTING

U7*x2	MB135000PA05300x2	S6510 8-1/4	S6520 8-1/4
U7*x2	MB135000PA05300x2	S6510 8-1/4	S6520 8-1/4
U7*x2	MB135000PA05300x2	S6510 8-1/4	S6520 8-1/4
U7*x2	MB135000PA05300x2	S6510 8-1/4	S6520 8-1/4
U7*x2	MB135000PA05300x2	S6510 8-1/4	S6520 8-1/4
U7*x2	MB135000PA05300x2	S6510 8-1/4	S6520 8-1/4

For more connector options, including LED versions please see page 134-137

**U7\* Solenoid Coils**

Solenoid Voltages U7 (Material = PET)			
U7H	24V	50/60 Hz	3.5VA
	12V	DC	3.1W
U7K	110V	AC 50/60Hz	4.3VA
	125V	AC 50/60Hz	5.5VA

Solenoid Voltages U7 (Material = PET)			
U7J	230V	50/60Hz	3.5VA
	240V	50/60Hz	4VA
U77	24V	DC	3W



For full range of solenoid coils please see page 133

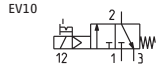
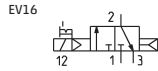


Main



Section

**3/2 - way single solenoid valve - 1/8 - N.C.**



- ✓ Ex Stock
- ✎ UK Assembly
- ☎ Please Call Sales Office

Part Number	Availability	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Minimum Pilot Pressures (Bar)
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438-015-22-*	✓	3/2 NC	EV10	650	2.5-10	-
438-016-22-*	✓	3/2 NC	EV16	650	2.5-10	-

\*Coil sold separately, see page 116 for voltage options (U7 Solenoid Coils)

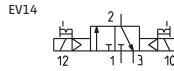
**ACCESSORIES**

COILS	CONNECTOR WITH 3M CABLE	STRAIGHT CONNECTION	ELBOW FITTING

U7*	MB135000PA05300	S6510 6-1/8	S6520 6-1/8
U7*	MB135000PA05300	S6510 6-1/8	S6520 6-1/8

For more connector options, including LED versions please see page 134-137

**3/2 - way double solenoid valve - 1/8 - N.C.**



Part Number	Availability	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Minimum Pilot Pressures (Bar)
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438-011-22-*	✓	3/2 NC	EV14	650	2-10	-
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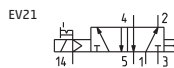
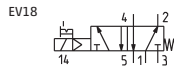
\*Coil sold separately, see page 116 for voltage options (U7 Solenoid Coils)

COILS	CONNECTOR WITH 3M CABLE	STRAIGHT CONNECTION	ELBOW FITTING

U7*x2	MB135000PA05300x2	S6510 6-1/8	S6520 6-1/8
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For more connector options, including LED versions please see page 134-137

**5/2 - way single solenoid valve - 1/8**



Part Number	Availability	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Minimum Pilot Pressures (Bar)
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458-015-22-*	✓	5/2	EV18	650	2.5-10	-
458-016-22-*	✓	5/2	EV21	650	2.5-10	-

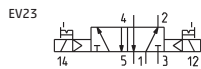
\*Coil sold separately, see page 116 for voltage options (U7 Solenoid Coils)

COILS	CONNECTOR WITH 3M CABLE	STRAIGHT CONNECTION	ELBOW FITTING

U7*	MB135000PA05300	S6510 6-1/8	S6520 6-1/8
U7*	MB135000PA05300	S6510 6-1/8	S6520 6-1/8

For more connector options, including LED versions please see page 134-137

**5/2 - way double solenoid valve - 1/8**



Part Number	Availability	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Minimum Pilot Pressures (Bar)
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458-011-22-*	✓	5/2	EV23	650	2-10	-
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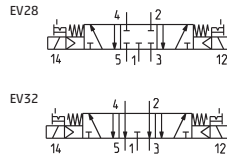
\*Coil sold separately, see page 116 for voltage options (U7 Solenoid Coils)

COILS	CONNECTOR WITH 3M CABLE	STRAIGHT CONNECTION	ELBOW FITTING

U7*x2	MB135000PA05300x2	S6510 6-1/8	S6520 6-1/8
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For more connector options, including LED versions please see page 134-137

**5/3 - way double solenoid valve - 1/8 - C.C.and C.O.**



- ✓ Ex Stock
- ✎ UK Assembly
- 📞 Please Call Sales Office

Part Number	Availability	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Minimum Pilot Pressures (Bar)
468-011-22-*	✓	5/3 CC	EV28	600	2-10	-
478-011-22-*	✓	5/3 CO	EV32	600	2-10	-

\*Coil sold separately, see page 116 for voltage options (U7 Solenoid Coils)

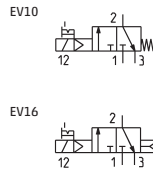
**ACCESSORIES**

COILS	CONNECTOR WITH 3M CABLE	STRAIGHT CONNECTION	ELBOW FITTING

U7*x2	MB135000PA05300x2	S6510 6-1/8	S6520 6-1/8
U7*x2	MB135000PA05300x2	S6510 6-1/8	S6520 6-1/8

For more connector options, including LED versions please see page 134-137

**3/2 - way single solenoid valve - 1/4 - N.C.**



Part Number	Availability	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Minimum Pilot Pressures (Bar)
434-015-22-*	✓	3/2 NC	EV10	1250	2-10	-
434-016-22-*	✓	3/2 NC	EV16	1250	2-10	-

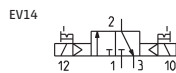
\*Coil sold separately, see page 116 for voltage options (U7 Solenoid Coils)

COILS	CONNECTOR WITH 3M CABLE	STRAIGHT CONNECTION	ELBOW FITTING

U7*	MB135000PA05300	S6510 8-1/4	S6520 8-1/4
U7*	MB135000PA05300	S6510 8-1/4	S6520 8-1/4

For more connector options, including LED versions please see page 134-137

**3/2 - way double solenoid valve - 1/4 - N.C.**



Part Number	Availability	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Minimum Pilot Pressures (Bar)
434-011-22-*	✓	3/2 NC	EV14	1250	2-10	-

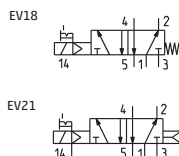
\*Coil sold separately, see page 116 for voltage options (U7 Solenoid Coils)

COILS	CONNECTOR WITH 3M CABLE	STRAIGHT CONNECTION	ELBOW FITTING

U7*x2	MB135000PA05300x2	S6510 8-1/4	S6520 8-1/4
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For more connector options, including LED versions please see page 134-137

**5/2 - way single solenoid valve - 1/4**



Part Number	Availability	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Minimum Pilot Pressures (Bar)
454-015-22-*	✓	5/2	EV18	1250	2.5-10	-
454-016-22-*	✓	5/2	EV21	1250	2.5-10	-

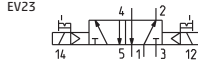
\*Coil sold separately, see page 116 for voltage options (U7 Solenoid Coils)

COILS	CONNECTOR WITH 3M CABLE	STRAIGHT CONNECTION	ELBOW FITTING

U7*	MB135000PA05300	S6510 8-1/4	S6520 8-1/4
U7*	MB135000PA05300	S6510 8-1/4	S6520 8-1/4

For more connector options, including LED versions please see page 134-137

**5/2 - way double solenoid valve - 1/4**



- ✓ Ex Stock
- ✎ UK Assembly
- ☎ Please Call Sales Office

Part Number	Availability	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Minimum Pilot Pressures (Bar)
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454-011-22-*	✓	5/2	EV23	1250	2-10	-
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\*Coil sold separately, see page 116 for voltage options (U7 Solenoid Coils)

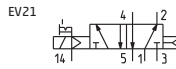
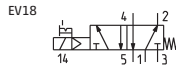
**ACCESSORIES**

COILS	CONNECTOR WITH 3M CABLE	STRAIGHT CONNECTION	ELBOW FITTING

**U7\*x2 MB135000PA05300x2 S6510 8-1/4 S6520 8-1/4**

For more connector options, including LED versions please see page 134-137

**5/2 - way double solenoid valve - 1/4**



Part Number	Availability	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Minimum Pilot Pressures (Bar)
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454-V15-22-*	✓	5/2	EV18	1250	2.5-10	-
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454-V16-22-*	✓	5/2	EV21	1250	2.5-10	-
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\*Coil sold separately, see page 116 for voltage options (U7 Solenoid Coils)

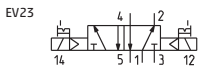
COILS	CONNECTOR WITH 3M CABLE	STRAIGHT CONNECTION	ELBOW FITTING

**U7\* MB135000PA05300 S6510 8-1/4 S6520 8-1/4**

**U7\* MB135000PA05300 S6510 8-1/4 S6520 8-1/4**

For more connector options, including LED versions please see page 134-137

**5/2 - way double vertical solenoid valve - 1/4**



Part Number	Availability	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Minimum Pilot Pressures (Bar)
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454-V11-22-*	✓	5/2	EV23	1250	2-10	-
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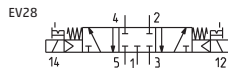
\*Coil sold separately, see page 116 for voltage options (U7 Solenoid Coils)

COILS	CONNECTOR WITH 3M CABLE	STRAIGHT CONNECTION	ELBOW FITTING

**U7\*x2 MB135000PA05300x2 S6510 8-1/4 S6520 8-1/4**

For more connector options, including LED versions please see page 134-137

**5/3 - way double solenoid valve - 1/4 - C.C. and C.O.**



Part Number	Availability	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Minimum Pilot Pressures (Bar)
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5/3 way double solenoid valve 1/4 CC and CO

464-011-22-*	✓	5/3 CC	EV28	1250	3-10	-
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474-011-22-*	✓	5/3 CO	EV32	1250	3-10	-
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\*Coil sold separately, see page 116 for voltage options (U7 Solenoid Coils)

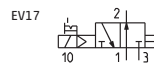
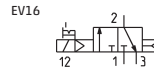
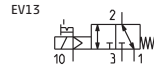
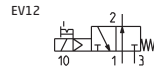
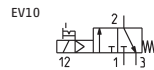
COILS	CONNECTOR WITH 3M CABLE	STRAIGHT CONNECTION	ELBOW FITTING

**U7\*x2 MB135000PA05300x2 S6510 8-1/4 S6520 8-1/4**

**U7\*x2 MB135000PA05300x2 S6510 8-1/4 S6520 8-1/4**

For more connector options, including LED versions please see page 134-137

## 3/2 - way solenoid valve - 3/8, monostable

**New**


- ✓ Ex Stock
- 🔧 UK Assembly
- ☎ Please Call Sales Office

Part Number	Availability	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Minimum Pilot Pressures (Bar)
433-015-22	✓	3/2 NC	EV10	1800	2.5-10	-
433-E15-22	✓	3/2	EV13	1800	-0.9-10	2.5
433-016-22	✓	3/2 NC	EV16	1800	2.5-10	-
443-015-22	✓	3/2 NO	EV12	1800	2.5-10	-
443-016-22	✓	3/2 NO	EV17	1800	2.5-10	-

### ACCESSORIES

COILS	CONNECTOR WITH 3M CABLE	STRAIGHT CONNECTION	ELBOW FITTING
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U7*	MB135000PA05300	S6510 6-3/8	S6520 6-3/8
U7*	MB135000PA05300	S6510 6-3/8	S6520 6-3/8
U7*	MB135000PA05300	S6510 6-3/8	S6520 6-3/8
U7*	MB135000PA05300	S6510 6-3/8	S6520 6-3/8

For more connector options, including LED versions please see page 134-137

VALVES AND SOLENOID VALVES

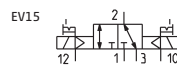
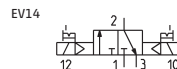


Main



Section

## 3/2 - way solenoid valve - 3/8, bistable

**New**


Part Number	Availability	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Minimum Pilot Pressures (Bar)
433-011-22	✓	3/2	EV14	1800	2-10	-
433-E11-22	✓	3/2	EV15	1800	-0.9-10	2

### ACCESSORIES

COILS	CONNECTOR WITH 3M CABLE	STRAIGHT CONNECTION	ELBOW FITTING
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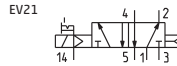
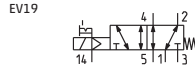
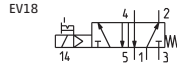


U7*x2	MB135000PA05300x2	S6510 6-3/8	S6520 6-3/8
U7*x2	MB135000PA05300x2	S6510 6-3/8	S6520 6-3/8

For more connector options, including LED versions please see page 134-137

**New**

**5/2 - way solenoid valve - 3/8, monostable**



- ✓ Ex Stock
- 🔧 UK Assembly
- 📞 Please Call Sales Office

Part Number	Availability	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Minimum Pilot Pressures (Bar)
453-015-22	✓	5/2	EV18	1800	2.5-10	-
453-E15-22	✓	5/2	EV19	1800	-0.9-10	2.5
453-016-22	✓	5/2	EV21	1800	2.5-10	-

**ACCESSORIES**

COILS	CONNECTOR WITH 3M CABLE	STRAIGHT CONNECTION	ELBOW FITTING
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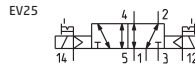
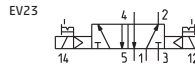


U7*	MB135000PA05300	S6510 6-3/8	S6520 6-3/8
U7*	MB135000PA05300	S6510 6-3/8	S6520 6-3/8
U7*	MB135000PA05300	S6510 6-3/8	S6520 6-3/8

For more connector options, including LED versions please see page 134-137

**New**

**5/2 - way solenoid valve - 3/8, bistable**



Part Number	Availability	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Minimum Pilot Pressures (Bar)
453-011-22	✓	5/2	EV23	1800	2-10	-
453-E11-22	✓	5/2	EV25	1800	-0.9-10	2

**ACCESSORIES**

COILS	CONNECTOR WITH 3M CABLE	STRAIGHT CONNECTION	ELBOW FITTING
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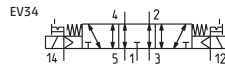
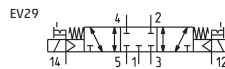
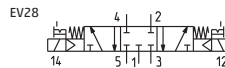


U7*x2	MB135000PA05300x2	S6510 6-3/8	S6520 6-3/8
U7*x2	MB135000PA05300x2	S6510 6-3/8	S6520 6-3/8

For more connector options, including LED versions please see page 134-137

**New**

**5/3 - way solenoid valve - 3/8**



Part Number	Availability	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Minimum Pilot Pressures (Bar)
463-011-22	✓	5/3 CC	EV28	1600	2.5-10	-
463-E11-22	✓	5/3 CC	EV29	1600	-0.9-10	2.5
473-011-22	✓	5/3 CO	EV32	1600	2.5-10	-
473-E11-22	✓	5/3 CO	EV34	1600	-0.9-10	2.5

**ACCESSORIES**

COILS	CONNECTOR WITH 3M CABLE	STRAIGHT CONNECTION	ELBOW FITTING
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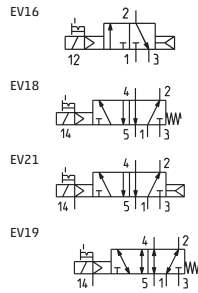


U7*x2	MB135000PA05300x2	S6510 6-3/8	S6520 6-3/8
U7*x2	MB135000PA05300x2	S6510 6-3/8	S6520 6-3/8

For more connector options, including LED versions please see page 134-137



### 3/2 and 5/2 - way double solenoid valve - 1/2 - monostable

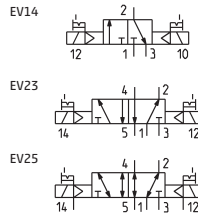


- ✓ Ex Stock
- ✎ UK Assembly
- ⦿ Please Call Sales Office

Part Number	Availability	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Minimum Pilot Pressures (Bar)
432C-015-22-*	⦿	3/2 NC	EV16	2500	2.5-10	-
452N-015-22-*	⦿	5/2	EV18	4000	2.5-10	-
452N-016-22-*	⦿	5/2	EV21	4000	2-10	-
452N-E15-22-*	⦿	5/2	EV19	4000	-0.9-10	2.5

\*Coil sold separately, see page below for voltage options (U7 Solenoid Coils)

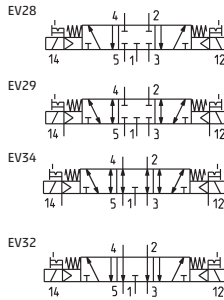
### 3/2 and 5/2 - way solenoid valve - 1/2, bistable



Part Number	Availability	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Minimum Pilot Pressures (Bar)
432C-011-22-*	⦿	3/2 NC	EV23			
452N-011-22-*	⦿	5/2	EV23	4000	2-10	-
452N-E11-22-*	⦿	5/2	EV25	4000	-0.9-10	2

\*Coil sold separately, see page below for voltage options (U7 Solenoid Coils)

### 5/3 - way solenoid valve - 1/2 - bistable



Part Number	Availability	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Minimum Pilot Pressures (Bar)
462N-011-22-*	⦿	5/3 CC	EV28	3300	2-10	-
462N-E11-22-*	⦿	5/3 CC	EV29	3300	-0.9-10	2
472N-011-22-*	⦿	5/3 CO	EV32	3300	2-10	-
472N-E11-22-*	⦿	5/3 CO	EV34	3300	-0.9-10	2

\*Coil sold separately, see page below for voltage options (U7 Solenoid Coils)

#### ACCESSORIES

COILS	CONNECTOR WITH 3M CABLE	STRAIGHT CONNECTION	ELBOW FITTING

U7*	MB135000PA05300	S6510 12-1/2	S6520 12-1/2
U7*	MB135000PA05300	S6510 12-1/2	S6520 12-1/2
U7*	MB135000PA05300	S6510 12-1/2	S6520 12-1/2
U7*	MB135000PA05300	S6510 12-1/2	S6520 12-1/2

For more connector options, including LED versions please see page 134-137

COILS	CONNECTORS WITH 3M CABLE	STRAIGHT CONNECTION	ELBOW FITTING

U7*x2	MB135000PA05300x2	S6510 12-1/2	S6520 12-1/2
U7*x2	MB135000PA05300x2	S6510 12-1/2	S6520 12-1/2
U7*x2	MB135000PA05300x2	S6510 12-1/2	S6520 12-1/2

For more connector options, including LED versions please see page 134-137

COILS	CONNECTORS WITH 3M CABLE	STRAIGHT CONNECTION	ELBOW FITTING

U7*x2	MB135000PA05300x2	S6510 12-1/2	S6520 12-1/2
U7*x2	MB135000PA05300x2	S6510 12-1/2	S6520 12-1/2
U7*x2	MB135000PA05300x2	S6510 12-1/2	S6520 12-1/2
U7*x2	MB135000PA05300x2	S6510 12-1/2	S6520 12-1/2

For more connector options, including LED versions please see page 134-137

## U7\* Solenoid Coils

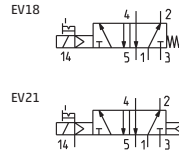
Solenoid Voltages U7 (Material = PET)			
U7H	24V	50/60 Hz	3.5VA
	12V	DC	3.1W
U7K	110V	AC 50/60Hz	4.3VA
	125V	AC 50/60Hz	5.5VA

Solenoid Voltages U7 (Material = PET)			
U7J	230V	50/60Hz	3.5VA
	240V	50/60Hz	4VA
U77	24V	DC	3W



For full range of solenoid coils please see page 133

**5/2 - way single solenoid valve - 1/2**



- ✓ Ex Stock
- ✎ UK Assembly
- ☎ Please Call Sales Office

Part Number	Availability	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Minimum Pilot Pressures (Bar)
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452C-015-50-A6*	✓	5/2	EV18	2500	2.5-10	-
452C-016-50-A6*	✓	5/2	EV21	2500	2.5-10	-

\*Coil included, please state voltage

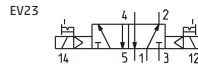
**ACCESSORIES**

CONNECTOR WITH 3M CABLE	STRAIGHT CONNECTION	ELBOW FITTING

MA134000PA05300	S6510 12-1/2	S6520 12-1/2
MA134000PA05300	S6510 12-1/2	S6520 12-1/2

For more connector options, including LED versions please see page 134-137

**5/2 - way double solenoid valve - 1/2**



Part Number	Availability	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Minimum Pilot Pressures (Bar)
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452C-011-50-A6*	✓	5/2	EV23	2500	2-10	-
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\*Coil included, please state voltage

CONNECTOR WITH 3M CABLE	STRAIGHT CONNECTION	ELBOW FITTING

MA134000PA05300 x2	S6510 12-1/2	S6520 12-1/2
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For more connector options, including LED versions please see page 134-137

**CODING EXAMPLE**

<b>3</b>	<b>3</b>	<b>8</b>	<b>D</b>	<b>-</b>	<b>015</b>	<b>-</b>	<b>22</b>	<b>-</b>	<b>U</b>	<b>7</b>	<b>7</b>
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<b>3</b> SERIES: 3 and 4	<b>D</b> D = double valve (2x3/2) (series 3) L = for manifold assembly (only for 3/2 1/8) (series 3)	<b>U</b> SOLENOID MATERIAL U = PET G = PA A6 = PPS (series 4 1/2 only) A7 = PPS (series 3 only) A8 = PPS (series 3 only) H8 = PA 6 V0
<b>3</b> N° OF WAYS/POSITIONS * 3 = 3/2 N.C. * 4 = 3/2 N.O. 5 = 5/2 6 = 5/3 C. closed 7 = 5/3 C. open 8 = 5/3 C. pressure (series 3 only) 9 = 1x 3/2NC + 1x-3/2NO (series 3 only)	<b>015</b> ACTUATION 011 = double solenoid (horizontal solenoids) V11 = double solenoid (vertical solenoids) (series 4 1/4 only) 015 = single solenoid, spring return (horizontal solenoids) V15 = single solenoid, spring return (vertical solenoid) (series 4 1/4 only) 016 = single solenoid, pneumatic spring return (horizontal solenoid) V16 = single solenoid, pneumatic spring return (vertical solenoid) (series 4 1/4 only) E11 = double solenoid external servo-command (series 3 only) E15 = single solenoid, external servo-command (series 3 only) 015 = single solenoid external servo-command 033 = pneumatic pneumatic 034 = pneumatic differential (series 4 only) 035 = pneumatic spring	<b>7</b> SOLENOID DIMENSIONS 6 = 32 x 32 only 1/2 7 = 22 x 22 8 = 30 x 30 9 = 22 x 58
<b>8</b> CONNECTIONS 8 = 1/8 4 = 1/4 2C = 1/2 (series 4 only)	<b>22</b> SOLENOID INTERFACE 02 = mech. sol. 22 x 22 - (series 3 only) 22 = mech. sol. 22 x 22 - (series 4 only) 50 = mech. sol. 32 x 32 - (series 4 1/2 only)	<b>7</b> SOLENOID VOLTAGE: See page 133

# Series 3 and 4 Pneumatically Operated Valves

Series 3: 1/8, 1/4, 3/2-way and 5/2-way

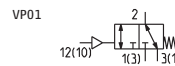
Series 4: 1/8, 1/4 and 1/2

3/2, 5/2 and 5/3-way

## 3/2-way valve, 1/8 or 1/4, monostable



- ✓ Ex Stock
- ✎ UK Assembly
- ☎ Please Call Sales Office



Part Number	Availability	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Connection	Minimum Pilot Pressures (Bar)
338-035	✓	3/2 NC	VP01	700	-0.9-10	1/8	2.5
338L-035**	✓	3/2 NC	VP01	700	-0.9-10	1/8	2.5
334-035*	✓	3/2 NC	VP01	1300	-0.9-10	1/4	3

Pilot supply port = 1/8 (\* = M5)

\*\*For Manifold Mounting

### Technical Data

#### Media

Filtered air, without lubrication. If lubricated air is used, it is recommended to use oil ISO VG32. Once applied the lubrication should never be interrupted

#### Operating Temperature

0 - +60°C (with dry air at -20°C)

Full Data Sheet and Dimensions at

<https://store.camozzi.co.uk>

### ACCESSORIES

STRAIGHT CONNECTION	ELBOW FITTING	SILENCER

S6510 6-1/8	S6520 6-1/8	2901 1/8
S6510 6-1/8	S6520 6-1/8	2901 1/8
S6510 8-1/4	S6520 8-1/4	2901 1/4-17

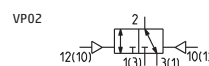


Main



Section

## 3/2-way valve, 1/8 or 1/4, bistable



Part Number	Availability	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Connection	Minimum Pilot Pressures (Bar)
338-033	✓	3/2 NC	VP02	700	-0.9-10	1/8	1.5
338L-033**	✓	3/2 NC	VP02	700	-0.9-10	1/8	1.5
334-033*	✓	3/2 NC	VP02	1300	-0.9-10	1/4	2.5

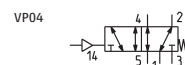
Pilot supply port = 1/8 (\* = M5)

\*\*For Manifold Mounting

STRAIGHT CONNECTION	ELBOW FITTING	SILENCER

S6510 6-1/8	S6520 6-1/8	2901 1/8
S6510 6-1/8	S6520 6-1/8	2901 1/8
S6510 8-1/4	S6520 8-1/4	2901 1/4-17

## 5/2-way valve, 1/8 or 1/4, monostable



Part Number	Availability	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Connection	Minimum Pilot Pressures (Bar)
358-035	✓	5/2	VP04	700	-0.9-10	1/8	2.5
354-035*	✓	5/2	VP04	1300	-0.9-10	1/4	3

Pilot supply port = 1/8 (\* = M5)

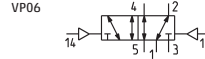
STRAIGHT CONNECTION	ELBOW FITTING	SILENCER

S6510 6-1/8	S6520 6-1/8	2901 1/8
S6510 8-1/4	S6520 8-1/4	2901 1/4-17

**5/2-way valve, 1/8 or 1/4, bistable**



- ✓ Ex Stock
- 🔧 UK Assembly
- ☎ Please Call Sales Office



Part Number	Availability	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Connections	Minimum Pilot Pressures (Bar)
358-033	✓	5/2	VP06	700	-0.9-10	1/8	1.5
354-033*	✓	5/2	VP06	1300	-0.9-10	1/4	2.5

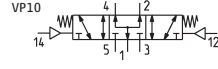
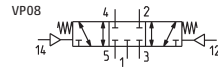
Pilot supply port = 1/8 (\* = M5)

**ACCESSORIES**

STRAIGHT CONNECTION	ELBOW FITTING	SILENCER

S6510 6-1/8	S6520 6-1/8	2901 1/8
S6510 8-1/4	S6520 8-1/4	2901 1/4-17

**5/3-way valve, 1/8 or 1/4**



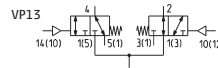
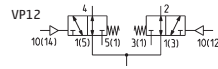
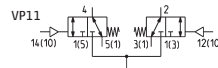
Part Number	Availability	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Connection	Minimum Pilot Pressures (Bar)
368-033	✓	5/3 CC	VP08	700	-0.9-10	1/8	2.5
364-033	✓	5/3 CC	VP08	1200	-0.9-10	1/4	2.5
378-033	✓	5/3 CO	VP09	700	-0.9-10	1/8	2.5
374-033	✓	5/3 CO	VP09	1050	-0.9-10	1/4	2.5
388-033	✓	5/3 CP	VP10	700	-0.9-10	1/8	2.5
384-033	✓	5/3 CP	VP10	1050	-0.9-10	1/4	2.5

Pilot supply port = 1/8

STRAIGHT CONNECTION	ELBOW FITTING	SILENCER

S6510 6-1/8	S6520 6-1/8	2901 1/8
S6510 8-1/4	S6520 8-1/4	2901 1/4-17
S6510 6-1/8	S6520 6-1/8	2901 1/8
S6510 8-1/4	S6520 8-1/4	2901 1/4-17
S6510 6-1/8	S6520 6-1/8	2901 1/8
S6510 6-1/4	S6520 6-1/4	2901 1/4-17

**2 x 3/2-way valve, 1/8 or 1/4**



Part Number	Availability	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Connections	Minimum Pilot Pressures (Bar)
338D-035	✓	2x 3/2 NC	VP11	700	-0.9-10	1/8	2.5
334D-035	✓	2x 3/2 NC	VP11	1050	-0.9-10	1/4	2.5
348D-035	✓	2x 3/2 NO	VP12	700	-0.9-10	1/8	2.5
344D-035	✓	2x 3/2 NO	VP12	1050	-0.9-10	1/4	2.5
398D-035	✓	1x3/2 NC + 1x3/2 NO	VP13	700	-0.9-10	1/8	2.5
394D-035	✓	1x3/2 NC + 1x3/2 NO	VP13	1050	-0.9-10	1/4	2.5

Pilot supply port = 1/8

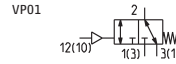
STRAIGHT CONNECTION	ELBOW FITTING	SILENCER

S6510 6-1/8	S6520 6-1/8	2901 1/8
S6510 8-1/4	S6520 8-1/4	2901 1/4-17
S6510 6-1/8	S6520 6-1/8	2901 1/8
S6510 6-1/4	S6520 8-1/4	2901 1/4-17
S6510 6-1/8	S6520 6-1/8	2901 1/8
S6510 8-1/4	S6520 8-1/4	2901 1/4-17

**3/2-way valve, 1/8 port, monostable**



- ✓ Ex Stock
- 🔧 UK Assembly
- 📞 Please Call Sales Office



Part Number	Availability	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Connections	Minimum Pilot Pressures (Bar)
438-35	✓	3/2 NC	VP01	700	-0.9-10	1/8	2.5

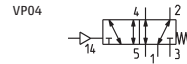
Pilot supply port = 1/8

**ACCESSORIES**



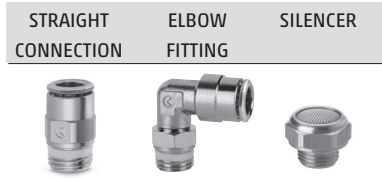
S6510 6-1/8	S6520 6-1/8	2901 1/8
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**5/2-way valve, 1/8 port, monostable**



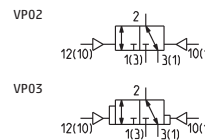
Part Number	Availability	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Connection	Minimum Pilot Pressures (Bar)
458-35	✓	5/2	VP04	700	-0.9-10	1/8	2.5

Pilot supply port = 1/8



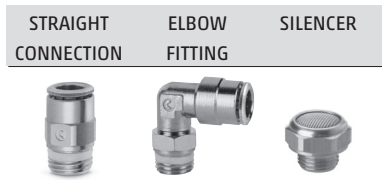
S6510 6-1/8	S6520 6-1/8	2901 1/8
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**3/2-way valve, 1/8 port, bistable**



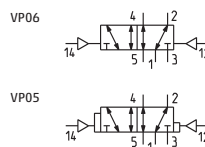
Part Number	Availability	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Connections	Minimum Pilot Pressures (Bar)
438-33	✓	3/2 NC	VP02	700	-0.9-10	1/8	2.5
438-34	✓	3/2 NC	VP03	700	-0.9-10	1/8	2

Pilot supply port = 1/8



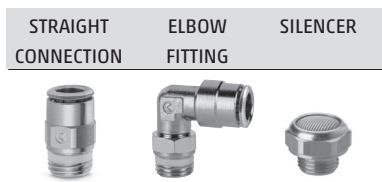
S6510 6-1/8	S6520 6-1/8	2901 1/8
S6510 6-1/8	S6520 6-1/8	2901 1/8

**5/2-way valve, 1/8 port, bistable**



Part Number	Availability	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Connections	Minimum Pilot Pressures (Bar)
458-33	✓	5/2	VP06	700	-0.9-10	1/8	2
458-34	✓	5/2	VP05	700	-0.9-10	1/8	2

Pilot supply port = 1/8

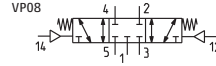


S6510 6-1/8	S6520 6-1/8	2901 1/8
S6510 6-1/8	S6520 6-1/8	2901 1/8

**5/3-way C.C. valve, 1/8, monostable, with central stable position**



- ✓ Ex Stock
- ✦ UK Assembly
- ☎ Please Call Sales Office



**ACCESSORIES**

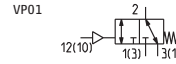
STRAIGHT CONNECTION	ELBOW FITTING	SILENCER

Part Number	Availability	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Connection	Minimum Pilot Pressures (Bar)
468-33	✓	5/3 CC	VP08	700	-0.9-10	1/8	2.5

S6510 8-1/8	S6520 8-1/8	2901 1/8
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Pilot supply port = 1/8

**3/2-way valve N/C, 1/4 port, monostable**



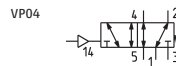
STRAIGHT CONNECTION	ELBOW FITTING	SILENCER

Part Number	Availability	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Connection	Minimum Pilot Pressures (Bar)
434-35	✓	3/2 NC	VP01	1250	-0.9-10	1/4	2.5

S6510 8-1/4	S6520 8-1/4	2901 1/4-17
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Pilot supply port = 1/8

**5/2-way valve, 1/4 port, monostable**



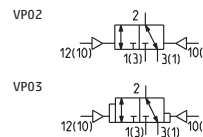
STRAIGHT CONNECTION	ELBOW FITTING	SILENCER

Part Number	Availability	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Connection	Minimum Pilot Pressures (Bar)
454-35	✓	5/2	VP04	1250	-0.9-10	1/4	2.5

S6510 8-1/4	S6520 8-1/4	2901 1/4-17
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Pilot supply port = 1/8

**3/2-way valve N/C, 1/4 port, bistable**



STRAIGHT CONNECTION	ELBOW FITTING	SILENCER

Part Number	Availability	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Connection	Minimum Pilot Pressures (Bar)
434-33	✓	3/2 NC	VP02	1250	-0.9-10	1/4	2
434-34	✓	3/2 NC	VP03	1250	-0.9-10	1/4	2

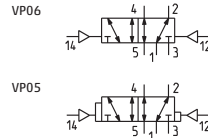
S6510 8-1/4	S6520 8-1/4	2901 1/4-17
S6510 8-1/4	S6520 8-1/4	2901 1/4-17

Pilot supply port = 1/8

**5/2-way valve, 1/4 port, bistable**



- ✓ Ex Stock
- ✚ UK Assembly
- ☎ Please Call Sales Office



**ACCESSORIES**

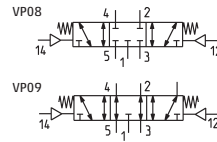


Part Number	Availability	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Connection	Minimum Pilot Pressures (Bar)
454-33	✓	5/2	VP06	1250	-0.9-10	1/4	2
454-34	✓	5/2	VP05	1250	-0.9-10	1/4	2

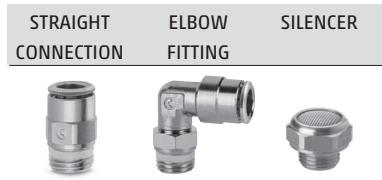
S6510 8-1/4	S6520 8-1/4	2901 1/4-17
S6510 8-1/4	S6520 8-1/4	2901 1/4-17

Pilot supply port = 1/8

**5/3-way CC CO valve, 1/4, monostable, central stable position**



Part Number	Availability	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Connection	Minimum Pilot Pressures (Bar)
464-33	✓	5/3 CC	VP08	1250	-0.9-10	1/4	2.5
474-33	✓	5/3 CO	VP09	1200	-0.9-10	1/4	2.5

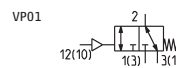


S6510 8-1/4	S6520 8-1/4	2901 1/4-17
S6510 8-1/4	S6520 8-1/4	2901 1/4-17

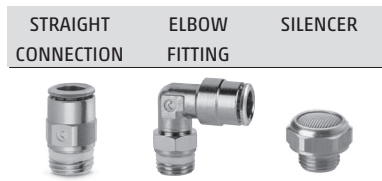
Pilot supply port = 1/8

**3/2-way valve, 3/8 port, monostable**

**New**



Part Number	Availability	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Connection	Minimum Pilot Pressures (Bar)
433-35	✓	3/2 NC	VP01	1800	-0.9-10	3/8	2.5

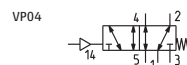


S6510 12-3/8	S6520 12-3/8	2901 3/8
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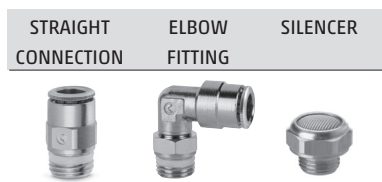
Pilot supply port = 1/8

**5/2-way valve, 3/8 port, monostable**

**New**



Part Number	Availability	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Connection	Minimum Pilot Pressures (Bar)
453-35	✓	5/2	VP04	1800	-0.9-10	3/8	2.5



S6510 12-3/8	S6520 12-3/8	2901 3/8
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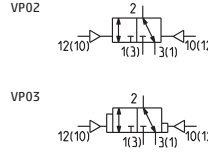
Pilot supply port = 1/8

**3/2-way valve N/C, 3/8 port, bistable**

**New**



- ✓ Ex Stock
- 🔧 UK Assembly
- ☎ Please Call Sales Office



**ACCESSORIES**



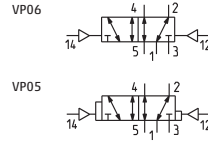
Part Number	Availability	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Connection	Minimum Pilot Pressures (Bar)
433-33	✓	3/2 NC	VP02	1800	-0.9-10	3/8	2
433-34	✓	3/2 NC	VP03	1800	-0.9-10	3/8	2

STRAIGHT CONNECTION	ELBOW FITTING	SILENCER
S6510 12-3/8	S6520 12-3/8	Z901 3/8

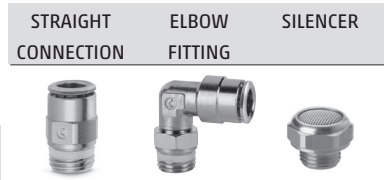
Pilot supply port = 1/8

**5/2-way valve, 3/8 port, bistable**

**New**



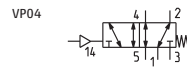
Part Number	Availability	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Connection	Minimum Pilot Pressures (Bar)
453-33	✓	5/2	VP06	1800	-0.9-10	3/8	2
453-34	✓	5/2	VP05	1800	-0.9-10	3/8	2



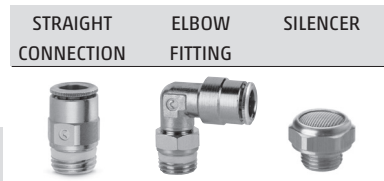
STRAIGHT CONNECTION	ELBOW FITTING	SILENCER
S6510 12-3/8	S6520 12-3/8	Z901 3/8

Pilot supply port = 1/8

**5/2-way valve, 1/2 port, monostable**



Part Number	Availability	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Connection	Minimum Pilot Pressures (Bar)
452C-35	✓	5/2	VP04	2500	-0.9-10	1/2	2.5

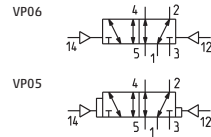


STRAIGHT CONNECTION	ELBOW FITTING	SILENCER
S6510 12-1/2	S6520 12-1/2	Z901 1/2

Pilot supply port = 1/8



**5/2-way valve, 1/2 port, bistable**



**ACCESSORIES**

STRAIGHT CONNECTION	ELBOW FITTING	SILENCER
---------------------	---------------	----------



Part Number	Availability	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Connection	Minimum Pilot Pressures (Bar)
452C-33	✓	5/2	VP06	2500	-0.9-10	1/2	2
452C-34	✓	5/2	VP05	2500	-0.9-10	1/2	2

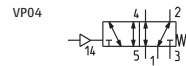
S6510 12-1/2	S6520 12-1/2	2901 1/2
S6510 12-1/2	S6520 12-1/2	2901 1/2

Pilot supply port = 1/8

**5/2-way valve, 1/2 port, monostable**



- ✓ Ex Stock
- 🔧 UK Assembly
- 📞 Please Call Sales Office



STRAIGHT CONNECTION	ELBOW FITTING	SILENCER
---------------------	---------------	----------

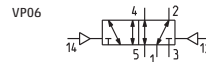


Part Number	Availability	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Connection	Minimum Pilot Pressures (Bar)
452N-35	📞	5/2	VP04	4000	-0.9-10	1/2	2.5

S6510 12-1/2	S6520 12-1/2	2901 1/2
--------------	--------------	----------

Pilot supply port = 1/8

**5/2-way valve, 1/2 port, bistable**



STRAIGHT CONNECTION	ELBOW FITTING	SILENCER
---------------------	---------------	----------



Part Number	Availability	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Connections	Minimum Pilot Pressures (Bar)
452N-33	📞	5/2	VP06	4000	-0.9-10	1/2	2

S6510 12-1/2	S6520 12-1/2	2901 1/2
--------------	--------------	----------

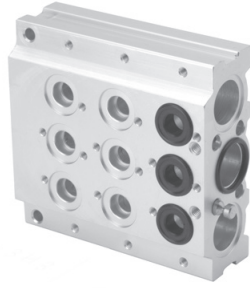
Pilot supply port = 1/8

**CODING EXAMPLE**

<b>3</b>	<b>5</b>	<b>8</b>	<b>-</b>	<b>035</b>
<b>3</b>	SERIES: 3, 4	<b>8</b>	CONNECTIONS 8 = 1/8 4 = 1/4 2C = 1/2	
<b>5</b>	N° OF WAYS/POSITIONS 3 = 3/2 5 = 5/2 6 = 5/3 C.C. 7 = 5/3 C.O.	<b>035</b>	ACTUATION/RETURN 033 = pneumatic / pneumatic (series 3) 33 = pneumatic / pneumatic (series 4) 34 = pneumatic / differential (series 4) 35 = pneumatic / spring (series 4) 035 = pneumatic / spring (series 3)	

**Series 3 Modular Manifolds - 1/8 and 1/4**





- ✓ Ex Stock
- ✎ UK Assembly
- ☎ Please Call Sales Office



Part Number	Availability	G	
Basic Module		3 Station	
<b>CNVL-3H3</b>	✓	to suit Series 3, 1/8	3/8
<b>CNVL-4H3</b>	✓	to suit Series 3, 1/4	1/2

The packaging contains: 3 O-rings, 2 Fixing Screws and 2 Junction Plugs per station.





**ACCESSORIES**

STRAIGHT CONNECTION	ELBOW FITTING	SILENCER	MALE PLUG
			
<b>S6510 10-3/8</b>	<b>S6520 10-3/8</b>	<b>2901 3/8</b>	<b>S2610-3/8</b>
<b>S6510 12-1/2</b>	<b>S6520 12-1/2</b>	<b>2901 1/2</b>	<b>S2610-1/2</b>



Part Number	Availability	G	
Basic Module		2 Station	
<b>CNVL-3H2</b>	✓	to suit Series 3, 1/8	3/8
<b>CNVL-4H2</b>	✓	to suit Series 3, 1/4	1/2

The packaging contains: 3 O-rings, 2 Fixing Screws and 2 Junction Plugs per station.

STRAIGHT CONNECTION	ELBOW FITTING	SILENCER	MALE PLUG
			
<b>S6510 10-3/8</b>	<b>S6520 10-3/8</b>	<b>2901 3/8</b>	<b>S2610-3/8</b>
<b>S6510 12-1/2</b>	<b>S6520 12-1/2</b>	<b>2901 1/2</b>	<b>S2610-1/2</b>



Part Number	Availability		
Expansion Module		3 Station	
<b>CNVL-3I3</b>	✓	to suit Series 3, 1/8	
<b>CNVL-4I3</b>	✓	to suit Series 3, 1/4	

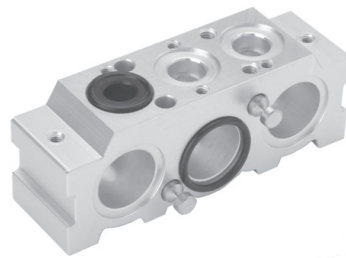
The packaging contains: 3 O-rings, 2 Fixing Screws and 2 Junction Plugs per station.



Part Number	Availability		
Expansion Module		2 Station	
<b>CNVL-3I2</b>	✓	to suit Series 3, 1/8	
<b>CNVL-4I2</b>	✓	to suit Series 3, 1/4	

The packaging contains: 3 O-rings, 2 Fixing Screws and 2 Junction Plugs per station.

## Series 3 Modular Manifolds - 1/8 and 1/4



- ✓ Ex Stock
- ✎ UK Assembly
- ☎ Please Call Sales Office

Part Number	Availability	
Expansion Module		1 Station
<b>CNVL-311</b>	✓	to suit Series 3, 1/8
<b>CNVL-411</b>	✓	to suit Series 3, 1/4

The packaging contains: 3 O-rings, 2 Fixing Screws and 2 Junction Plugs per station.



### ACCESSORIES

STRAIGHT  
CONNECTION

ELBOW  
FITTING

SILENCER



Part Number	Availability		G
Terminal Module			
<b>CNVL-3H</b>	✓	to suit Series 3, 1/8	3/8
<b>CNVL-4H</b>	✓	to suit Series 3, 1/4	1/2

The packaging contains: 2 Junction Plugs per station.

S6510 10-3/8

S6520 10-3/8

2901 3/8

S6510 12-1/2

S6520 12-1/2

2901 1/2



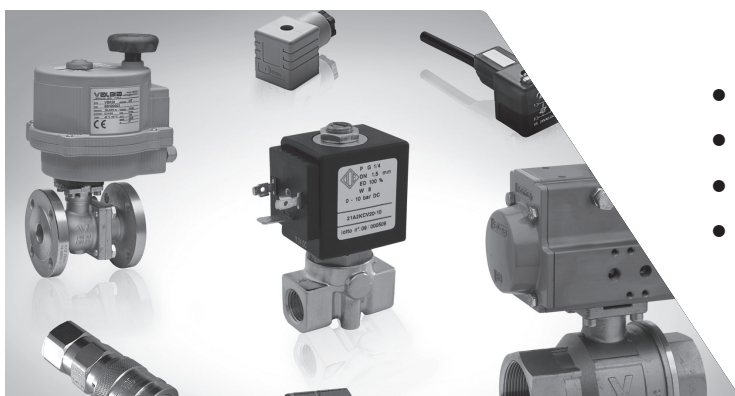
Main



Section

VALVES AND SOLENOID VALVES

# More Than Just Pneumatics

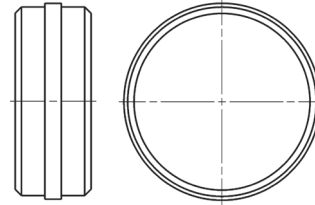
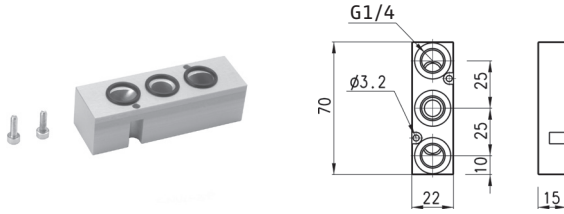


- Process Valves and Actuators
- Hydraulic Components
- Solenoid DIN Connectors
- Industrial Solenoid Valves

**Accessories**

- ✓ Ex Stock
- 🔧 UK Assembly
- 📞 Please Call Sales Office

VALVES AND SOLENOID VALVES



Intermediate plate for manifolds with outlets	Availability
---	--------------

<b>CNVL-3P</b>	✓
<b>CNVL-4P</b>	✓

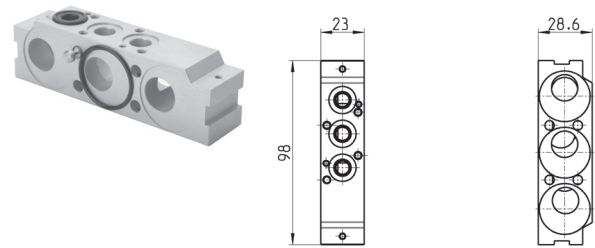
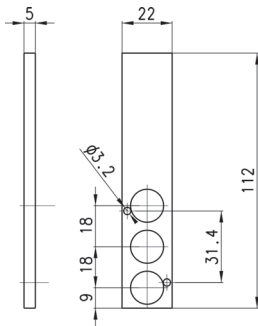
The packaging contains: 3 O-rings and 2 Fixing Screws.

Part Number	Availability
-------------	--------------

<b>Diaphragm</b>	
<b>CNVL-3H-TP</b>	✓
<b>CNVL-4H-TP</b>	✓

**Code for Plug-in Versions**

<b>T</b>	Supply (1) + exhaust (3 and 5)
<b>U</b>	Supply (1)
<b>J</b>	Exhausts (3 and 5)



Excluder	Availability
----------	--------------

<b>CNVL/1L Code L</b>	✓
-----------------------	---

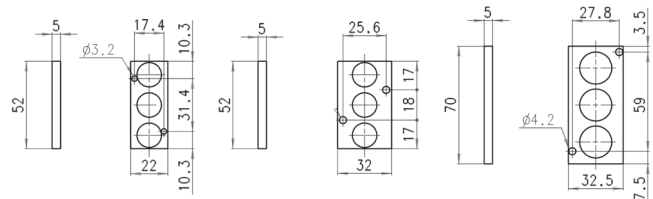
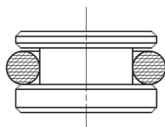
The packaging contains: 3 O-rings and 2 Fixing Screws.

Interface Module Manifolds between 1/4 and 1/8 (Series 3)	Availability
---	--------------

<b>CNVL-4H-3H</b>	✓
-------------------	---



Part Number: CNVL/1      Part Number: CNVL/2      Part Number: CNVL/3



Blanking Plug for CNVL... Manifolds. For use with 3/2 - way valves	Availability
--	--------------

<b>TCNVL/3 for 1/8</b>	✓
<b>TCNVL/5 for 1/4</b>	✓

Blanking Plate for Manifolds with outlets	Availability
---	--------------

<b>CNVL/1 For Series 3 - 1/8</b>	✓
<b>CNVL/2 For Series 4 - 1/8</b>	✓
<b>CNVL/3 For Series 4 - 1/4</b>	✓
<b>CNVL/4 For Series 3 - 1/4</b>	✓

# Series 9 Electropneumatically and Pneumatically Operated Valves

Assembly with sub-base (ISO 5599/1 Standards)  
 Connection: 1/4 (size 1), 3/8 (size 2), 1/2 (size 3)  
 5/2 and 5/3 way CC CO

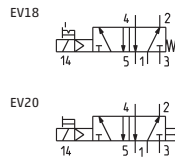


## 5/2-way solenoid valves, monostable - ISO 1, ISO 2, ISO 3



Technical Data  
**Media**  
 Filtered air, without lubrication.  
**Operating Temperature**  
 0°C to +60°C  
 (with dry air -20°C)  
 Full Data Sheet and Dimensions at  
<https://store.camozzi.co.uk>

- ✓ Ex Stock
- 🔧 UK Assembly
- 📞 Please Call Sales Office



### ACCESSORIES

SOLENOID COILS	CONNECTOR WITH 3M CABLE
----------------	-------------------------



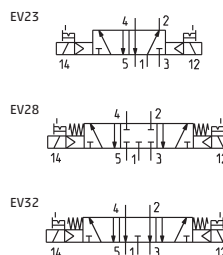
Part Number	Availability	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)
951-000-P15-23-*	✓	5/2	EV18	900	2.5-10
952-000-P15-23-*	✓	5/2	EV18	1610	2.5-10
953-000-P15-23-*	✓	5/2	EV18	4350	2.5-10
951-000-P16-23-*	✓	5/2	EV20	900	2.5-10
952-000-P16-23-*	✓	5/2	EV20	1610	2.5-10
953-000-P16-23-*	✓	5/2	EV20	4350	2.5-10

\*Coil sold separately, see page 133 for voltage options (U7 Solenoid Coils)

U7*	MB135000PA05300
U7*	MB135000PA05300
U7*	MB135000PA05300
U7*	MB135000PA05300
U7*	MB135000PA05300
U7*	MB135000PA05300

For more connector options, including LED versions please see page 134-137

## 5/2-way, 5/3-way (CO,CC) solenoid valves, bistable - ISO 1, ISO 2, ISO 3



### ACCESSORIES

SOLENOID COILS	CONNECTOR WITH 3M CABLE
----------------	-------------------------



Part Number	Availability	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)
951-000-P11-23*	✓	5/2	EV23	900	2.5-10
952-000-P11-23*	✓	5/2	EV23	1610	2.5-10
953-000-P11-23*	✓	5/2	EV23	4350	2.5-10
961-000-P11-23*	✓	5/3 CC	EV28	900	2.5-10
962-000-P11-23*	✓	5/3 CC	EV28	1610	2.5-10
963-000-P11-23*	✓	5/3 CC	EV28	4350	2.5-10
971-000-P11-23*	✓	5/3 CO	EV32	900	2.5-10
972-000-P11-23*	✓	5/3 CO	EV32	1610	2.5-10
973-000-P11-23*	✓	5/3 CO	EV32	4350	2.5-10

\*Coil sold separately, see page 133 for voltage options (U7 Solenoid Coils)

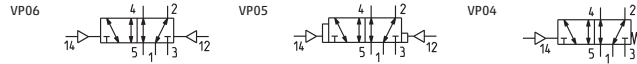
U7* x2	MB135000PA05300 x2
U7* x2	MB135000PA05300 x2
U7* x2	MB135000PA05300 x2
U7* x2	MB135000PA05300 x2
U7* x2	MB135000PA05300 x2
U7* x2	MB135000PA05300 x2
U7* x2	MB135000PA05300 x2
U7* x2	MB135000PA05300 x2
U7* x2	MB135000PA05300 x2
U7* x2	MB135000PA05300 x2

For more connector options, including LED versions please see page 134-137

**5/2-way valves, monostable, bistable - ISO 1, ISO 2, ISO 3**

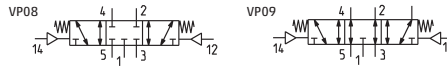


- ✓ Ex Stock
- ✓ UK Assembly
- ☎ Please Call Sales Office



Part Number	Availability	Function	Symbol	Flow Rate (NI/min)	Working Pressures (Bar)	Minimum Pilot Pressures (Bar)	ISO Size
951-000-33	✓	5/2	VP06	900	-0.9-10	2	1
952-000-33	✓	5/2	VP06	1610	-0.9-10	2	2
953-000-33	✓	5/2	VP06	4350	-0.9-10	2	3
951-000-34	✓	5/2	VP05	900	-0.9-10	2	1
952-000-34	✓	5/2	VP05	1610	-0.9-10	2	2
953-000-34	✓	5/2	VP05	4350	-0.9-10	2	3
951-000-35	✓	5/2	VP04	900	-0.9-10	2.5	1
952-000-35	✓	5/2	VP04	1610	-0.9-10	2.5	2
953-000-35	✓	5/2	VP04	4350	-0.9-10	2.5	3

**5/3-way valve (CC,CO) monostable, with stable central position - ISO 1, 2, 3**



Part Number	Availability	Function	Symbol	Flow Rate (NI/min)	Working Pressures (Bar)	Minimum Pilot Pressures (Bar)	ISO Size
961-000-33	✓	5/3 CC	VP08	900	-0.9-10	2-5	1
962-000-33	✓	5/3 CC	VP08	1610	-0.9-10	2-5	2
963-000-33	✓	5/3 CC	VP08	4350	-0.9-10	2-5	3
971-000-33	✓	5/3 CO	VP09	900	-0.9-10	2-5	1
972-000-33	✓	5/3 CO	VP09	1610	-0.9-10	2-5	2
973-000-33	✓	5/3 CO	VP09	4350	-0.9-10	2-5	3

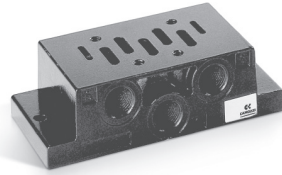
**CODING EXAMPLE**

**9** | **5** | **1** | **-** | **000** | **-** | **P16** | **-** | **P16** | **-** | **23** | **-** | **U7** | **7**

<b>9</b>	SERIES: 9	<b>P16</b>	ACTUATION: 33 = pneumatic, pneumatic return 34 = pneumatic, differential pneumatic return 35 = pneumatic, mechanical spring return P11 = double solenoid (horizontal solenoids) P15 = single solenoid, spring return (horizontal solenoids) P16 = solenoid, pneumatic spring return (horizontal solenoids)	<b>U7</b>	SOLENOID MATERIAL / SOLENOID DIMENSIONS: A8 = PPS / 30 x 30 G7 = PA / 22 x 22 G8 = PA / 30 x 30 (24 V DC only) G9 = PA / 22 x 58 H8 = PA 6 V0 / 30 x 30 U7 = PET / 22 x 22
<b>5</b>	NO OF WAYS/POSITIONS: 5 = 5/2 6 = 5/3 CC 7 = 5/3 CO				
<b>1</b>	SIZE: 1 = Size 1 2 = Size 2 3 = Size 3			<b>7</b>	SOLENOID VOLTAGE: See solenoids page 133
<b>000</b>	BODY DESIGN: 000 = valve body	<b>23</b>	SOLENOID INTERFACE: 23 = A531 - BC2 Cnorm norm		

\*Complete with two end-blocks Part Number 90\*-H\*\* or 90\*-HN\*.

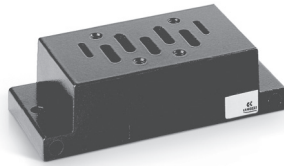
### Single sub-base side outlets (VDMA 24345)



- ✓ Ex Stock
- ✎ UK Assembly
- ☎ Please Call Sales Office

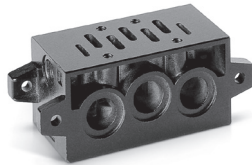
Part Number	Availability	Size
901-F1A	✓	1
902-F2A	✓	2
903-F3A	✓	3

### Single sub-base with rear outlets (VDMA 24345)



Part Number	Availability	Size
901-G1A	✓	1
902-G2A	✓	2
903-G3A	✓	3

### Manifold sub-base with com. exhausts and inlet (VDMA 24345)



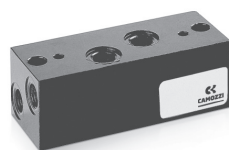
Part Number	Availability	Size
901-C1A	✓	1
902-C2A	✓	2
903-C3A	✓	3

### End block for manifold sub-base (VDMA 24345)



Part Number	Availability	Size
901-H1*	✓	1
902-H1*	✓	2
903-H1*	✓	3

### Interface with front outlets (VDMA 24345)



Part Number	Availability	Size
901-N1	✓	1
902-N2	✓	2
903-N3	✓	3

#### ACCESSORIES

STRAIGHT CONNECTION	ELBOW FITTING	SILENCER
S6510 8-1/4	S6520 8-1/4	2901 1/4-17
S6510 10-3/8	S6520 10-3/8	2901 3/8
S6510 12-1/2	S6520 12-1/2	2901 1/2

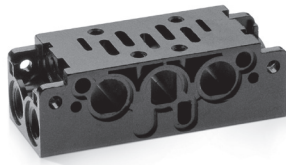
STRAIGHT CONNECTION	ELBOW FITTING	SILENCER
S6510 8-1/4	S6520 8-1/4	2901 1/4-17
S6510 10-3/8	S6520 10-3/8	2901 3/8
S6510 12-1/2	S6520 12-1/2	2901 1/2

STRAIGHT CONNECTION	ELBOW FITTING	SILENCER
S6510 8-1/4	S6520 8-1/4	2901 1/4-17
S6510 10-3/8	S6520 10-3/8	2901 3/8
S6510 12-1/2	S6520 12-1/2	2901 1/2

STRAIGHT CONNECTION	ELBOW FITTING	SILENCER
S6510 8-1/4	S6520 8-1/4	2901 1/4-17
S6510 10-3/8	S6520 10-3/8	2901 3/8
S6510 12-1/2	S6520 12-1/2	2901 1/2

STRAIGHT CONNECTION	ELBOW FITTING	SILENCER
S6510 8-1/4	S6520 8-1/4	2901 1/4-17
S6510 10-3/8	S6520 10-3/8	2901 3/8
S6510 12-1/2	S6520 12-1/2	2901 1/2




**Manifold bases with comm. inlet and exhaust ports and front outlet**



- ✓ Ex Stock
- 🔧 UK Assembly
- 📞 Please Call Sales Office

Part Number	Availability	Size
901-N1A	✓	1



**ACCESSORIES**

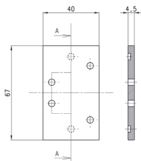
INLET FITTING	CONNECTOR	STRAIGHT CONNECTION
		
S6510 8-1/4	S6520 8-1/4	Z901 1/4-17

**End blocks for manifold bases with front outlets**



Part Number	Availability	Size
901-HN1	✓	1

INLET FITTING	CONNECTOR	STRAIGHT CONNECTION
		
S6510 10-3/8	S6520 10-3/8	



Cover Plate for Unused Positions
901-TP



Mounting
901-C1A-TP
902-C2A-TP



Separation Joint
901-N1A-T



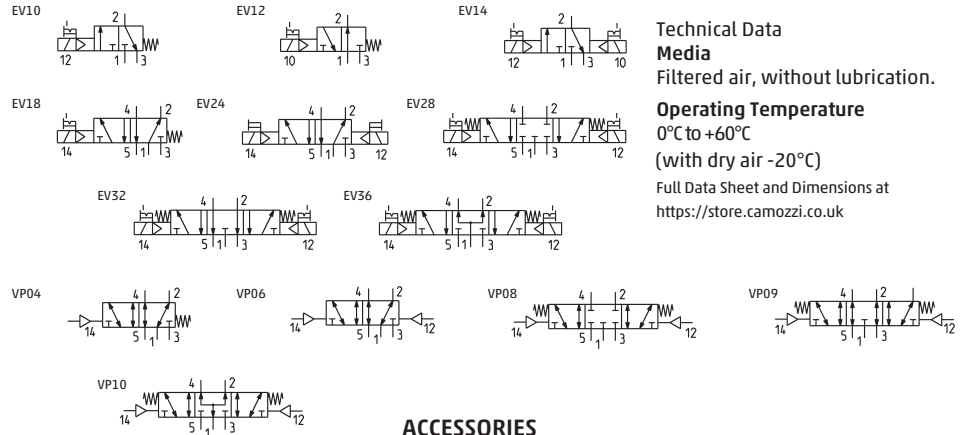
Separation Joint
901-N1A/TP



# Series NA NAMUR Valves

Connection: 1/4

Electropneumatically and pneumatically operated 3/2, 5/2, 5/3 way with interface according to NAMUR standard



## Technical Data

### Media

Filtered air, without lubrication.

### Operating Temperature

0°C to +60°C

(with dry air -20°C)

Full Data Sheet and Dimensions at

<https://store.camozzi.co.uk>

- ✓ Ex Stock
- 🇬🇧 UK Assembly
- 📞 Please Call Sales Office

Part Number	Availability	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Minimum Pilot Pressures (Bar)
NA34N-15-02-*	✓	3/2	EV10	1000	2-10	-
NA44N-15-02-*	✓	3/2 NO	EV12	1000	2-10	-
NA54N-15-02-*	✓	5/2	EV18	1000	2-10	-
NA34N-11-02-*	✓	3/2 NC	EV24	1000	1-10	-
NA54N-11-02-*	✓	5/2	EV24	1000	1-10	-
NA64N-11-02-*	✓	5/3 CC	EV28	1000	1.5-10	-
NA74N-11-02-*	✓	5/3 CO	EV32	1000	1.5-10	-
NA84N-11-02-*	✓	5/3 CP	EV36	1000	1.5-10	-
NA54N-33	✓	5/2	VP06	1000	-0.9-10	2.5
NA54N-35	✓	5/2	VP04	1000	-0.9-10	2.5
NA64N-33	✓	5/3 CC	VP08	1000	-0.9-10	2.5
NA74N-33	✓	5/3 CO	VP09	1000	-0.9-10	2.5
NA84N-33	✓	5/3 CP	VP10	1000	-0.9-10	2.5

\*Coil sold separately, see page 133 for voltage options (U7 Solenoid Coils)

## ACCESSORIES

COILS	CONNECTOR WITH 3M CABLE	SILENCER	STRAIGHT CONNECTION	ELBOW FITTING
-------	-------------------------	----------	---------------------	---------------



U7*	MB135000PA05300	2901 1/4-17	S6510 6-1/4	S6520 6-1/4
U7*	MB135000PA05300	2901 1/4-17	S6510 6-1/4	S6520 6-1/4
U7*	MB135000PA05300	2901 1/4-17	S6510 6-1/4	S6520 6-1/4
U7*x2	MB135000PA05300x2	2901 1/4-17	S6510 6-1/4	S6520 6-1/4
U7*x2	MB135000PA05300x2	2901 1/4-17	S6510 6-1/4	S6520 6-1/4
U7*x2	MB135000PA05300x2	2901 1/4-17	S6510 6-1/4	S6520 6-1/4
U7*x2	MB135000PA05300x2	2901 1/4-17	S6510 6-1/4	S6520 6-1/4
-	-	2901 1/4-17	S6510 6-1/4	S6520 6-1/4
-	-	2901 1/4-17	S6510 6-1/4	S6520 6-1/4
-	-	2901 1/4-17	S6510 6-1/4	S6520 6-1/4
-	-	2901 1/4-17	S6510 6-1/4	S6520 6-1/4

For more connector options, including LED versions please see page 134-137

## CODING EXAMPLE

NA	5	4N	15	02	U	7	7
<b>NA</b> SERIES: NAMUR				<b>U</b> SOLENOID MATERIAL U = PET H = Self-extinguishing nylon Explosion-proof (30 x 30)* G = PA * on request			
<b>5</b> N° N° WAY/POSITIONS 3 = 3/2 4 = 3/2 N.A. 5 = 5/2 6 = 5/3 C.C. 7 = 5/3 C.O. 8 = 5/3 pressure centres PC	<b>15</b> ACTUATION 11 = double solenoid 15 = single solenoid spring return 33 = pneumatic / pneumatic 35 = pneumatic / spring			<b>7</b> SOLENOID DIMENSIONS 7 = 22 x 22 8 = 30 x 30 9 = 22 x 22 with memory			
<b>4N</b> CONNECTIONS 4 = 1/4 supply NAMUR Standards	<b>02</b> SOLENOID INTERFACE 02 = mech. sol. 22 x 22			<b>7</b> SOLENOID VOLTAGE: See page 133			

# U7\* - U7\*EX - G7\* - A8\* - G93 - B\* - H8 and GP\* Solenoid Coils

Solenoids for electropneumatically operated valves Series A-3-4-9-NA  
Version A and B  
Connection according to DIN 43650 and DIN 40050 standards

## Solenoids Mod. U7... / U7\*EX

- ✓ Ex Stock
- ✦ UK Assembly
- ⊙ Please Call Sales Office



## Solenoids Mod. G7...



Solenoid Voltages U7 (Material = PET)				
	Availability	Solenoid Voltage		Power Absorption
U7H	✓	24V	50/60 Hz	3.5VA
	✓	12V	DC	3.1W
U7K	✓	110V	50/60Hz	3.8VA
	✓	125V	50/60Hz	5.5VA
U7J	✓	230V	50/60Hz	3.5VA
	✓	240V	50/60Hz	4VA
U79	✓	48V	DC	3.1W
U710	✓	110V	DC	3.2W
U77	✓	24V	DC	3.1W
	✓	48V	50/60Hz	3.5VA
U7F	✓	380V	50/60Hz	7VA
U72	✓	12V	DC	5W
U73	✓	24V	DC	5W

For use with all Camozzi valves with the exception of Series 4 (1/2"), and Series 6.

Solenoid Voltages G7 (Material = PA)				
	Availability	Solenoid Voltage		Power Absorption
G7H	⊙	24V	50/60 Hz	3.5VA
	⊙	12V	DC	3.1W
G7K	⊙	110V	AC 50/60Hz	4.3VA
	⊙	125V	AC 50/60Hz	5.5VA
G7J	⊙	230V	50/60Hz	3.5VA
	⊙	240V	50/60Hz	4VA
G79	⊙	48V	DC	3.1W
G710	⊙	110V	DC	3.2W
G77	⊙	24V	DC	3.1W
	⊙	48V	50/60Hz	3.5VA
G72	⊙	12V	DC	5W
G73	⊙	24V	DC	5W

For use with all Camozzi valves with the exception of Series 4 (1/2"), and Series 6.

## Solenoids Mod. A8...



Solenoid Voltages A8 (Bipolar plus earth)			
	Availability	Solenoid Voltage	Power Absorption
A8B	⊙	24V - 50/60 Hz	5VA
A8D	⊙	110V - 50/60 Hz	5VA
A8E	⊙	220V - 50/60Hz	5VA
A83	⊙	24V - DC	4W

For use with all Camozzi valves with the exception of Series 4 (1/2") and Series 6.

## Solenoids Mod. G93 (with memory)



Solenoid Voltages G90 (with memory for pulsed operation)		
	Availability	Solenoid Voltage
G93	⊙	24V

For Use with all Camozzi valves with the exception of Series 4 (1/2") and Series 6.

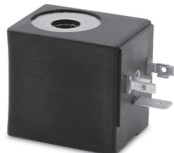
## Solenoids Mod. B7...



Solenoid Voltages B7 (Bipolar plus earth)			
	Availability	Solenoid Voltage	Power Absorption
B7B	⊙	24 V - 50/60 Hz	9 VA
B7D	⊙	110 V - 50/60 Hz	9 VA
B7E	⊙	230 V - 50/60 Hz	9 VA
B72	⊙	12 V - DC	10 W
B73	⊙	24 V - DC	10 W

For use with all Camozzi valves with the exception of Series 4 (1/2") and Series 6.

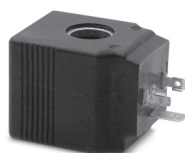
## Solenoids Mod. B8...



Solenoid Voltages B8 (Bipolar plus earth)			
	Availability	Solenoid Voltage	Power Absorption
B8B/B8BK	⊙	24 V - 50 Hz	15 VA
B8D/B8DK	⊙	110 V - 50/60 Hz	15 VA
B8E/B8EK	⊙	230 V - 50/60 Hz	15 VA
B82/B82K	⊙	12 V - DC	19 W
B83/B83K	⊙	24 V - DC	19 W

For use with all Camozzi valves with the exception of Series 4 (1/2") and Series 6.

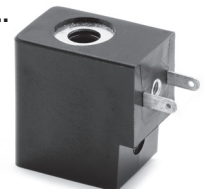
## Solenoids Mod. B9...



Solenoid Voltages B9 (Bipolar plus earth)			
	Availability	Solenoid Voltage	Power Absorption
B9B	⊙	24 V - 50 Hz	29 VA
B9D	⊙	110 V - 50/60 Hz	29 VA
B9E	⊙	230 V - 50 Hz	29 VA
B93	⊙	24 V - DC	30 W

For use with all Camozzi valves with the exception of Series 4 (1/2") and Series 6.

## Solenoids Mod. GP...



Solenoid Voltages GP (Bipolar plus earth)			
	Availability	Solenoid Voltage	Power Absorption
GPB	⊙	12 V DC	3W
GP7	⊙	24 V DC	3W

For use with all Camozzi valves with the exception of Series 4 (1/2") and Series 6.

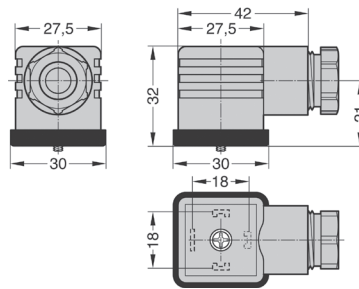
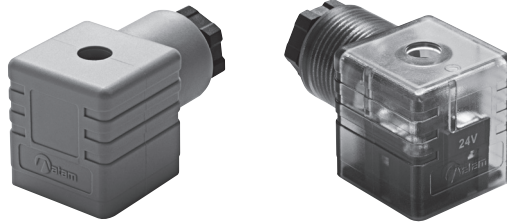
Explosion proof coils available on request

# Solenoid DIN Connectors

With cable gland entry and conforming to EN175301-803 (Formerly DIN43650)  
The Camozzi range of DIN connectors with cable gland entry offers flexibility and are suitable for a wide variety of applications.

## Form A (18mm pin spacing)

Also available with flat gasket.



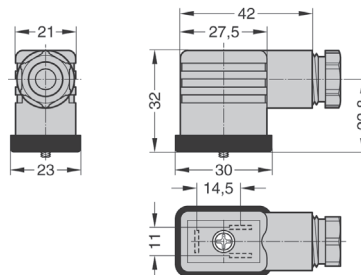
- ✓ Ex Stock
- ✎ UK Assembly
- ☎ Please Call Sales Office

Form A (18mm pin spacing)		Type	Cable
Part Number	Availability	(LED Voltage AC/DC)	Entry
KA132000B9	✓	Black Connector	PG9
KA132000A9	✓	Grey Connector	PG9
KA042000B9	✓	Black Connector (3+E)	PG9
KA042000A9	✓	Grey Connector (3+E)	PG9
KA132T54T9	✓	Transparent (24V LED)	PG9
KA132V55T9	✓	Transparent (115V LED)	PG9
KA132V56T9	✓	Transparent (230V LED)	PG9

Use with Camozzi Series 4 valves - 1/2, Series 6 and A80 coils

## Industrial Form B (11mm pin spacing)

Also available with flat gasket.



- ✓ Ex Stock
- ✎ UK Assembly
- ☎ Please Call Sales Office

Industrial Form B (11mm pin spacing)		Type	Cable
Part Number	Availability	(LED Voltage AC/DC)	Entry
KB132000B9	✓	Black Connector	PG9
KB132V54T9	✓	Transparent (24V LED)	PG9
KB132V55T9	✓	Transparent (115V LED)	PG9
KB132V56T9	✓	Transparent (230V LED)	PG9

Use with Camozzi Series A, Series AP, Series 3, Series 4 ISO valves and NAMUR valves

### Technical Data

**Type**  
Connector with cable gland entry: standard, mini and micro  
**Operating Temperature**  
-40°C to +90°C.

### Materials

Connectors: Polyamide (glass fibre reinforced)  
Profile gasket: NBR standard (Form A and B)  
Flat gasket: NBR standard (Form C)  
Screw: Form A and B - M3 x 32mm  
Industrial Form C - M3 x 28mm  
Form C - M2.5 x 28mm

### Insulation Group

VDE 0110 1/89 - Class C

### Voltage

Up to 250V AC or DC unless otherwise stated

Other voltages available on request

### Current

10A (nominal) 16A (max) - Form A and B

6A (nominal) 10A (max) - Form C

### Contact Resistance

≤4m Ω

### Protection Rating

IP65 (when correctly assembled with fixing screw and gasket supplied)

### Cable Gland Size

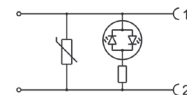
PG7 cable diameter 4 - 6mm

PG9 cable diameter 6 - 8mm

### LED Circuit Function

Where an LED is required, the standard control circuit contains an amber bipolar LED to confirm supply voltage, and VDR (varistor) which protects the supply and load from over voltage.

The circuit can be used for AC or DC supply at the stated voltage



### Options

LED in red or green

Additional control circuit functions available.

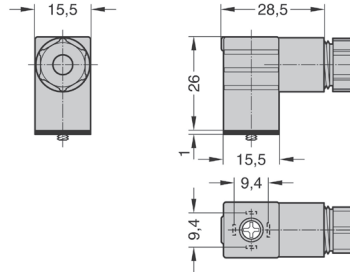
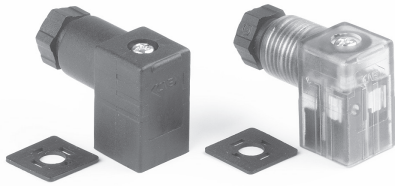
Gaskets in profile or flat Form.

For solenoid connectors with moulded cable, see pages 136-137  
For proximity switches, see page 45

### Special Requests

For assistance, contact our technical office or your local Camozzi distributor.

### Industrial Form C (9.4mm pin spacing)



- ✓ Ex Stock
- ✎ UK Assembly
- ⊗ Please Call Sales Office

Industrial Form C (9.4mm pin spacing)		Type	Cable
Part Number	Availability	(LED Voltage AC/DC)	Entry
KD136000B7	✓	Black Connector	PG7
KD136V54T7	✓	Transparent (24V LED)	PG7
KD136V55T7	✓	Transparent (115V LED)	PG7
KD136V56T7	✓	Transparent (230V LED)	PG7

Use with Camozzi Series E and P valves

#### Technical Data

##### Type

Connector with cable gland entry: standard, mini and micro

Operating Temperature  
-40°C to +90°C

##### Materials

Connectors: Polyamide (glass fibre reinforced)  
Profile gasket: NBR standard (Form A and B)  
Flat gasket: NBR standard (Form C)  
Screw: Form A and B - M3 x 32.5mm  
Industrial Form C - M3 x 27.5mm  
Form C - M2.5 x 27.5mm

##### Insulation Group

VDE 0110 1/89 - Class C

##### Voltage

Up to 250V AC or DC unless otherwise stated

Other voltages available on request

##### Current

10A (nominal) 16A (max) - Form A and B

6A (nominal) 10A (max) - Form C

##### Contact Resistance

≤ 4mΩ

##### Protection Rating

IP65 (when correctly assembled with fixing screw and gasket supplied)

##### Cable Gland Size

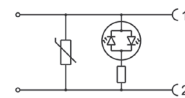
PG7 cable diameter 4 - 6mm

PG9 cable diameter 6 - 8mm

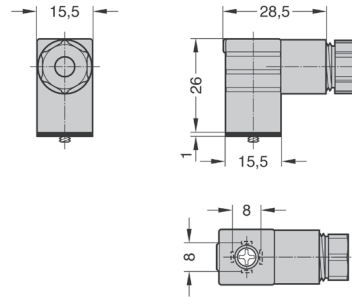
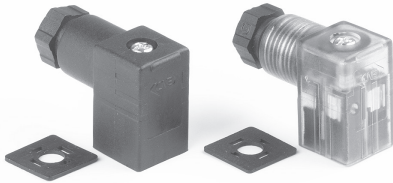
##### LED Circuit Function

Where an LED is required, the standard control circuit contains an amber bipolar LED to confirm supply voltage, and VDR (varistor) which protects the supply and load from over voltage.

The circuit can be used for AC or DC supply at the stated voltage



### Form C (8mm pin spacing)

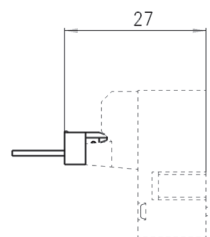
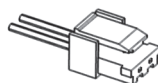
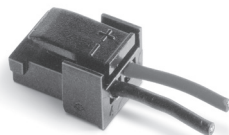


- ✓ Ex Stock
- ✎ UK Assembly
- ⊗ Please Call Sales Office

Form C (8mm pin spacing)		Type	Cable
Part Number	Availability	(LED Voltage AC/DC)	Entry
KC136000B7	✓	Black Connector	PG7
KC136V54T7	✓	Transparent (24V LED)	PG7
KC136V55T7	⊗	Transparent (115V LED)	PG7
KC136V56T7	⊗	Transparent (230V LED)	PG7

Use with Camozzi Series W valves

### Solenoid Connectors



- ✓ Ex Stock
- ✎ UK Assembly
- ⊗ Please Call Sales Office

Part Number	Availability	
121-803	✓	with 300 mm cable
121-806	✓	with 600 mm cable
121-810	✓	with 1000 mm cable

Use with Camozzi Series K and Series E (size 10.5mm) valves

#### Options

LED in red or green

Additional control circuit functions available.

Gaskets in profile or flat Form.

For solenoid connectors with moulded cable, see pages 136-137

For proximity switches, see page 45

#### Special Requests

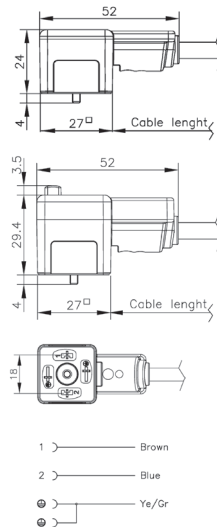
For assistance, contact our technical office or your local Camozzi distributor.

# Solenoid DIN Connectors - with Moulded Cable

Moulded cable assemblies EN175301-803 (Formerly DIN43650)

The Camozzi range of DIN moulded cable connectors offers a fast and efficient method of connection, resulting in reduced installation time and cost.

## Form A (18mm pin spacing) Double Earth

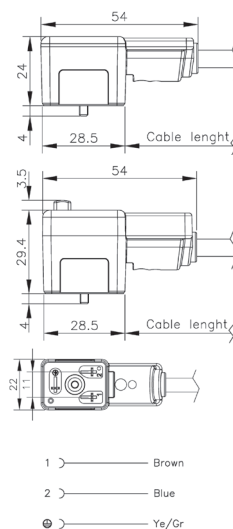


- ✓ Ex Stock
- ✎ UK Assembly
- 📞 Please Call Sales Office

Form A (18mm pin spacing) Double Earth		Type	Cable Length
Part Number	Availability	(LED Voltage AC/DC)	
MA134000PA05100	✓	Cable Connector only	1M
MA134000PA05300	✓	Cable Connector only	3M
MA634V54PA05100	📞	Cable Connector (24V LED)	1M
MA634V54PA05300	✓	Cable Connector (24V LED)	3M
MA634V55PA05100	📞	Cable Connector (115V LED)	1M
MA634V55PA05300	📞	Cable Connector (115V LED)	3M
MA634V56PA05100	📞	Cable Connector (230V LED)	1M
MA634V56PA05300	📞	Cable Connector (230V LED)	3M

Use with Camozzi Series 4 valves - 1/2, series 6 and A80 coils

## Industrial Form B (11mm Pin Spacing) 12 O'Clock Earth



- ✓ Ex Stock
- ✎ UK Assembly
- 📞 Please Call Sales Office

Industrial Form B (11mm Pin Spacing) 12 O'Clock Earth		Type	Cable Length
Part Number	Availability	(LED Voltage AC/DC)	
MB135000PA05100	✓	Cable Connector only	1M
MB135000PA05300	✓	Cable Connector only	3M
MB635V54PA05100	✓	Cable Connector (24V LED)	1M
MB635V54PA05300	✓	Cable Connector (24V LED)	3M
MB635V55PA05100	📞	Cable Connector (115V LED)	1M
MB635V55PA05300	📞	Cable Connector (115V LED)	3M
MB635V56PA05100	📞	Cable Connector (230V LED)	1M
MB635V56PA05300	📞	Cable Connector (230V LED)	3M

Use with Camozzi Series A, series AP, series 3, series 4 and ISO valves - 1/2, series 6 and A80 coils

### Technical Data

#### Type

Moulded cable connectors: Standard, mini and micro

#### Operating Temperature

-40°C to +90°C

#### Materials

Connectors: TPU

Cable: PVC standard

Integrated gasket: TPU

Screw: Form A and B (with LED) - M3 x 28.5mm. Form A and B (non LED) - M3 x 25mm

Industrial Form C M3 x 23mm

Form C M2.5 x 23mm

#### Insulation Group

VDE 0110 1/89 - Class C

#### Voltage

Up to 250V AC or DC unless otherwise stated Other voltages available on request

#### Current

5A - Form A and B

3A - Form C

#### Contact Resistance

≤4mΩ

#### Protection Rating

IP67

#### Standard Cable

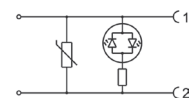
3 x 0.75mm<sup>2</sup> conductors PVC H05 VVF (Form A and B)

3 x 0.50mm<sup>2</sup> conductors PVC H03 VVF (Form C)

#### LED Circuit Function

Where an LED is required, the standard control circuit contains an amber bipolar LED to confirm supply voltage, and VDR (varistor) which protects the supply and load from over voltage.

The circuit can be used for AC or DC supply at the stated voltage.



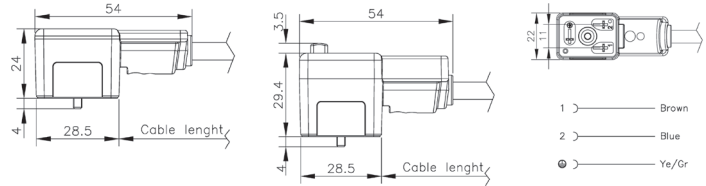
#### Options

Additional cable types and lengths. LED in red or green. Additional control circuit functions available. For solenoid connectors with cable gland entry, pages 134-135. For proximity switches, see page 45

#### Special Requests

For assistance, contact our technical office or your local Camozzi distributor.

**Industrial Form B (11mm pin spacing) 6 O'Clock Earth**



- ✓ Ex Stock
- 🇬🇧 UK Assembly
- ☎ Please Call Sales Office

Industrial Form B (11mm pin spacing) 6 O'Clock Earth		Type	Cable Length
Part Number	Availability	(LED Voltage AC/DC)	
MB136000PA05100	☎	Cable Connector only	1M
MB136000PA05300	✓	Cable Connector only	3M
MB636V54PA05100	☎	Cable Connector (24V LED)	1M
MB636V54PA05300	☎	Cable Connector (24V LED)	3M
MB636V55PA05100	☎	Cable Connector (115V LED)	1M
MB636V55PA05300	☎	Cable Connector (115V LED)	3M
MB636V56PA05100	☎	Cable Connector (230V LED)	1M
MB636V56PA05300	☎	Cable Connector (230V LED)	3M

Use with Camozzi Series A, series AP, Series 3, Series 4 and ISO valves and NAMUR Valves

**Technical Data**

**Type**  
Moulded cable connectors: Standard, mini and micro

**Operating Temperature**  
-40°C to +90°C.

**Materials**

Connectors: TPU  
Cable: PVC standard  
Integrated gasket: TPU  
Screw: Form A and B (with LED) - M3 x 28.5mm. Form A and B (non LED) - M3 x 25mm

Industrial Form C M3 x 23mm  
Form C M2.5 x 23mm

**Insulation Group**

VDE 0110 1/89 - Class C

**Voltage**

Up to 250V AC or DC unless otherwise stated  
Other voltages available on request

**Current**

5A - Form A and B  
3A - Form C

**Contact Resistance**

≤4mΩ

**Protection Rating**

IP67

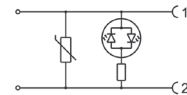
**Standard Cable**

3 x 0.75mm<sup>2</sup> conductors PVC H05 VVF (Form A and B)  
3 x 0.50mm<sup>2</sup> conductors PVC H03 VVF (Form C)

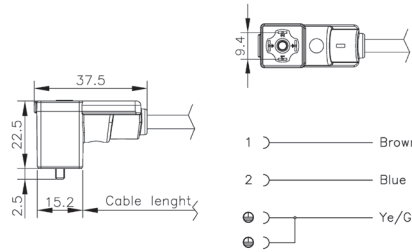
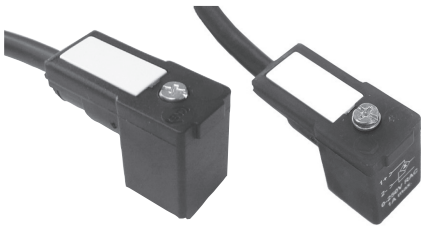
**LED Circuit Function**

Where an LED is required, the standard control circuit contains an amber bipolar LED to confirm supply voltage, and VDR (varistor) which protects the supply and load from over voltage.

The circuit can be used for AC or DC supply at the stated voltage.



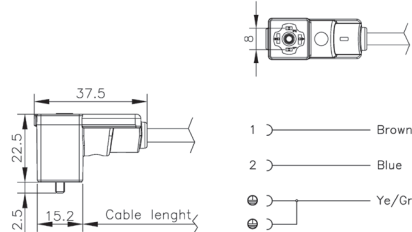
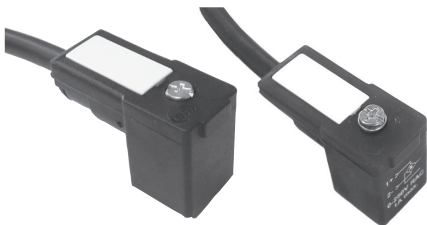
**Industrial Form C (9.4mm pin spacing) Double Earth**



Industrial Form C (9.4mm pin spacing) Double Earth		Type	Cable Length
Part Number	Availability	(LED Voltage AC/DC)	
MD134000PA01100	☎	Cable Connector only	1M
MD134000PA01300	✓	Cable Connector only	3M
MD634V54TA01100	✓	Cable Connector (24V LED)	1M
MD634V54TA01300	✓	Cable Connector (24V LED)	3M
MD634V55TA01100	☎	Cable Connector (115V LED)	1M
MD634V55TA01300	☎	Cable Connector (115V LED)	3M
MD634V56TA01100	☎	Cable Connector (230V LED)	1M
MD634V56TA01300	☎	Cable Connector (230V LED)	3M

Use with Camozzi Series E, and Series P valves

**Industrial Form C (8mm pin spacing) Double Earth**



Industrial Form C (8mm pin spacing) Double Earth		Type	Cable Length
Part Number	Availability	(LED Voltage AC/DC)	
MC134000PA01100	☎	Cable Connector only	1M
MC134000PA01300	✓	Cable Connector only	3M
MC634V54TA01100	☎	Cable Connector (24V LED)	1M
MC634V54TA01300	☎	Cable Connector (24V LED)	3M
MC634V55TA01100	☎	Cable Connector (115V LED)	1M
MC634V55TA01300	☎	Cable Connector (115V LED)	3M
MC634V56TA01100	☎	Cable Connector (230V LED)	1M
MC634V56TA01300	☎	Cable Connector (230V LED)	3M

Use with Camozzi Series W valves

**Options**

Additional cable types and lengths. LED in red or green. Additional control circuit functions available. For solenoid connectors with cable gland entry, pages 134-135. For proximity switches, see page 45

**Special Requests**

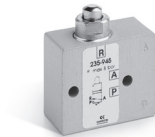
For assistance, contact our technical office or your local Camozzi distributor.

# Series 2 Mechanically Operated Minivalves

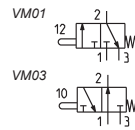
## 3/2 NC & NO

### Connections: M5, ø4mm cartridge

#### Minivalves with plunger, 3/2 NC & NO



- ✓ Ex Stock
- ✎ UK Assembly
- ☎ Please Call Sales Office

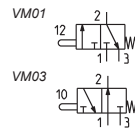
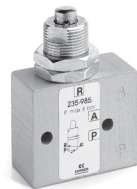


#### ACCESSORIES

	STRAIGHT CONNECTION	ELBOW FITTING
	6512 4-M5	6522 4-M5
	-	-
	6512 4-M5	6522 4-M5
	-	-

Part Number	Availability	Connection	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Actuating Force*
Plunger							
235-945	✓	M5	3/2 NC	VM01	60	2-8	6N
234-945	✓	4mm	3/2 NC	VM01	60	2-8	6N
245-945	✓	M5	3/2 NO	VM03	60	2-8	6N
244-945	✓	4mm	3/2 NO	VM03	60	2-8	6N

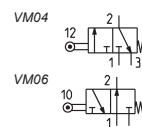
#### Minivalves with plunger, panel mounting, 3/2 NC & NO



	STRAIGHT CONNECTION	ELBOW FITTING
	6512 4-M5	6522 4-M5
	-	-
	6512 4-M5	6522 4-M5
	-	-

Part Number	Availability	Connection	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Actuating Force*
Panel Mounted Plunger							
235-985	✓	M5	3/2 NC	VM01	60	2-8	6N
234-985	✓	4mm	3/2 NC	VM01	60	2-8	6N
245-985	✓	M5	3/2 NO	VM03	60	2-8	6N
244-985	✓	4mm	3/2 NO	VM03	60	2-8	6N

#### Minivalves with lever/roller, 3/2 NC & NO



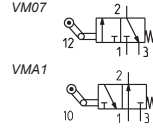
	STRAIGHT CONNECTION	ELBOW FITTING
	6512 4-M5	6522 4-M5
	-	-
	6512 4-M5	6522 4-M5
	-	-

Part Number	Availability	Connection	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Actuating Force*
Roller Lever							
235-955	✓	M5	3/2 NC	VM04	100	0-10	6N
234-955	✓	4mm	3/2 NC	VM04	100	0-10	6N
245-955	✓	M5	3/2 NO	VM06	100	0-10	6N
244-955	✓	4mm	3/2 NO	VM06	100	0-10	6N

**Minivalves, unidirectional lever, 3/2 NC & NO**



- ✓ Ex Stock
- 🔧 UK Assembly
- ☎ Please Call Sales Office



**ACCESSORIES**

STRAIGHT CONNECTION	ELBOW FITTING
<b>6512 4-M5</b>	<b>6522 4-M5</b>
-	-
<b>6512 4-M5</b>	<b>6522 4-M5</b>
-	-

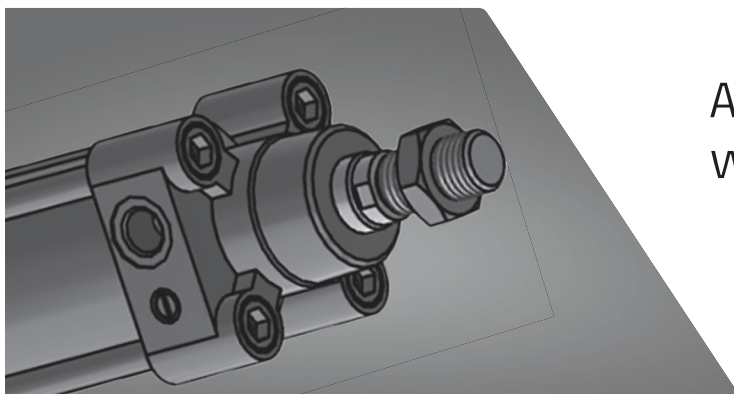
Part Number	Availability	Connection	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Actuating Force*
<b>One-Way Trip</b>							
<b>235-965</b>	✓	<b>M5</b>	<b>3/2 NC</b>	<b>VM07</b>	<b>60</b>	<b>2-10</b>	<b>6N</b>
<b>234-965</b>	✓	<b>4mm</b>	<b>3/2 NC</b>	<b>VM07</b>	<b>60</b>	<b>2-10</b>	<b>6N</b>
<b>245-965</b>	✓	<b>M5</b>	<b>3/2 NO</b>	<b>VMA1</b>	<b>60</b>	<b>2-10</b>	<b>6N</b>
<b>244-965</b>	✓	<b>4mm</b>	<b>3/2 NO</b>	<b>VMA1</b>	<b>60</b>	<b>2-10</b>	<b>6N</b>

**CODING EXAMPLE**

<b>2</b>	<b>3</b>	<b>4</b>	<b>-</b>	<b>94</b>	<b>5</b>
<b>2</b>	SERIES: 2				
<b>3</b>	FUNCTION: 3 = 3/2-way NC 4 = 3/2-way NO on request		<b>94</b>	ACTUATION: 94 = plunger 95 = roller/lever 96 = unidirectional lever 98 = plunger, panel mounting	
<b>4</b>	CONNECTIONS: 4 = Ø4mm cartridge 5 = M5		<b>5</b>	RESETTING: 5 = Spring return	



# CAD Drawings



Access CAD models at:  
[www.camozzi.co.uk](http://www.camozzi.co.uk)



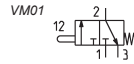
# Series 1 and 3 Mechanically Operated Valves

Series 1, 3/2-way and 5/2-way Connections: 1/8 and 1/4

Series 3, 3/2-way and 5/2-way Connections: 1/8

## Valve 338-945, 3/2 NC

- ✓ Ex Stock
- 🇬🇧 UK Assembly
- ☎ Please Call Sales Office



Part Number	Availability	Connection	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Actuating Force*
338-945	✓	1/8	3/2 NC	VM01	700	-0.9-10	32N

\*Actuating force at 6 Bar

### ACCESSORIES

STRAIGHT CONNECTION	ELBOW FITTING	SILENCER
S6510 6-1/8	S6520 6-1/8	Z901 1/8

## Valve 358-945, 5/2

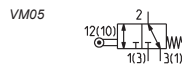


Part Number	Availability	Connection	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Actuating Force*
358-945	✓	1/8	5/2	VM10	700	-0.9-10	35N

\*Actuating force at 6 Bar

STRAIGHT CONNECTION	ELBOW FITTING	SILENCER
S6510 6-1/8	S6520 6-1/8	Z901 1/8

## Valve 338-955, 3/2 NC

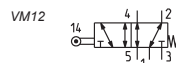


Part Number	Availability	Connection	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Actuating Force*
338-955	✓	1/8	3/2 NC	VM05	700	-0.9-10	15N

\*Actuating force at 6 Bar

STRAIGHT CONNECTION	ELBOW FITTING	SILENCER
S6510 6-1/8	S6520 6-1/8	Z901 1/8

## Valve 358-955, 5/2

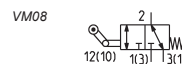


Part Number	Availability	Connection	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Actuating Force*
358-955	✓	1/8	5/2	VM12	700	-0.9-10	17N

\*Actuating force at 6 Bar

STRAIGHT CONNECTION	ELBOW FITTING	SILENCER
S6510 6-1/8	S6520 6-1/8	Z901 1/8

## Valve 338-965, 3/2 NC



Part Number	Availability	Connection	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Actuating Force*
338-965	✓	1/8	3/2 NC	VM08	700	-0.9-10	15N

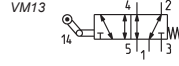
\*Actuating force at 6 Bar

STRAIGHT CONNECTION	ELBOW FITTING	SILENCER
S6510 6-1/8	S6520 6-1/8	Z901 1/8

**Valve 358-965, 5/2**



- ✓ Ex Stock
- 🔧 UK Assembly
- ☎ Please Call Sales Office



Part Number	Availability	Connection	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Actuating Force*
358-965	✓	1/8	5/2	VM13	700	-0.9-10	16N

\*Actuating force at 6 Bar

**ACCESSORIES**

STRAIGHT CONNECTION	ELBOW FITTING	SILENCER
S6510 6-1/8	S6520 6-1/8	2901 1/8

**Valve 138-945, 3/2 NC**

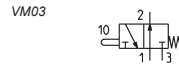


Part Number	Availability	Connection	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Actuating Force*
138-945	✓	1/8	3/2 NC	VM01	500	0-10	70N

\*Actuating force at 6 Bar

STRAIGHT CONNECTION	ELBOW FITTING	SILENCER
S6510 6-1/8	S6520 6-1/8	2901 1/8

**Valve 148-945, 3/2 NO**

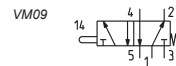


Part Number	Availability	Connection	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Actuating Force*
148-945	✓	1/8	3/2 NO	VM03	500	0-10	70N

\*Actuating force at 6 Bar

STRAIGHT CONNECTION	ELBOW FITTING	SILENCER
S6510 6-1/8	S6520 6-1/8	2901 1/8

**Valve Mod. 158-945, 5/2**

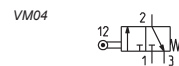


Part Number	Availability	Connection	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Actuating Force*
158-945	✓	1/8	5/2	VM09	500	0-10	120N

\*Actuating force at 6 Bar

STRAIGHT CONNECTION	ELBOW FITTING	SILENCER
S6510 6-1/8	S6520 6-1/8	2901 1/8

**Valve Mod. 138-955, 3/2 NC**



Part Number	Availability	Connection	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Actuating Force*
138-955	✓	1/8	3/2 NC	VM04	500	0-10	36N

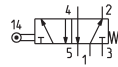
\*Actuating force at 6 Bar

STRAIGHT CONNECTION	ELBOW FITTING	SILENCER
S6510 6-1/8	S6520 6-1/8	2901 1/8

**Valve 158-955, 5/2**



VM11



- ✓ Ex Stock
- ✎ UK Assembly
- 📞 Please Call Sales Office

Part Number	Availability	Connection	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Actuating Force*
158-955	✓	1/8	5/2	VM11	500	0-10	92N

\*Actuating force at 6 Bar

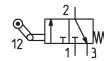
**ACCESSORIES**

STRAIGHT CONNECTION	ELBOW FITTING	SILENCER
S6510 6-1/8	S6520 6-1/8	2901 1/8

**Valve 138-965, 3/2 NC**



VM07



Part Number	Availability	Connection	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Actuating Force*
138-965	✓	1/8	3/2 NC	VM07	500	0-10	41N

\*Actuating force at 6 Bar

STRAIGHT CONNECTION	ELBOW FITTING	SILENCER
S6510 6-1/8	S6520 6-1/8	2901 1/8

**Valve 134-945, 3/2 NC**



VM01



Part Number	Availability	Connection	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Actuating Force*
134-945	✓	1/4	3/2 NC	VM01	1250	0-10	64N

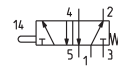
\*Actuating force at 6 Bar

STRAIGHT CONNECTION	ELBOW FITTING	SILENCER
S6510 8-1/4	S6520 8-1/4	2901 1/4-17

**Valve 154-945, 5/2**



VM09



Part Number	Availability	Connection	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Actuating Force*
154-945	✓	1/4	5/2	VM09	1250	0-10	147N

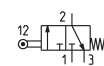
\*Actuating force at 6 Bar

STRAIGHT CONNECTION	ELBOW FITTING	SILENCER
S6510 8-1/4	S6520 8-1/4	2901 1/4-17

**Valve 134-955, 3/2 NC**



VM04



Part Number	Availability	Connection	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Actuating Force*
134-955	✓	1/4	3/2 NC	VM04	1250	0-10	41N

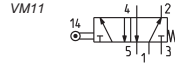
\*Actuating force at 6 Bar

STRAIGHT CONNECTION	ELBOW FITTING	SILENCER
S6510 8-1/4	S6520 8-1/4	2901 1/4-17




**Valve 154-955, 5/2**



- ✓ Ex Stock
- ✈ UK Assembly
- ☎ Please Call Sales Office



**ACCESSORIES**

STRAIGHT CONNECTION	ELBOW FITTING	SILENCER
		
<b>S6510 8-1/4</b>	<b>S6520 8-1/4</b>	<b>2901 1/4-17</b>

Part Number	Availability	Connection	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Actuating Force*
<b>154-955</b>	✓	1/4	5/2	VM11	1250	0-10	110N

\*Actuating force at 6 Bar

**CODING EXAMPLE**

<b>3</b>	<b>3</b>	<b>8</b>	<b>-</b>	<b>94</b>	<b>5</b>
<b>3</b>	SERIES: 1, 3				
<b>3</b>	FUNCTION: 3 = 3/2 way N.C. 4 = 3/2 way N.O. (only Series 1) 5 = 5/2 way		<b>94</b>	ACTUATION: 94 = plunger 95 = roller/lever 96 = unidirectional roller/lever	
<b>8</b>	CONNECTIONS: 8 = 1/8 4 = 1/4 (only Series 1)		<b>5</b>	RESETTING: 5 = spring return	



# UK Online Store



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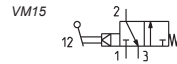
# Series 3 and 4 Mechanically Operated Sensor Valves

3/2 and 5/2

Connections: 1/8, 1/4

## Valve Mod. 338-D15-9A5, 3/2 NC

- ✓ Ex Stock
- ✚ UK Assembly
- ⊙ Please Call Sales Office



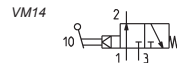
Part Number	Availability	Connection	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Actuating Force*
338-D15-9A5	✓	1/8	3/2 NC	VM15	700	4-10	2N

\*Actuating force at 6 Bar

### ACCESSORIES

Straight Connection	Elbow Fitting	Silencer
S6510 6-1/8	S6520 6-1/8	Z901 1/8

## Valve Mod. 348-D15-9A5, 3/2 NO

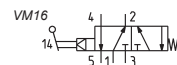


Part Number	Availability	Connection	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Actuating Force*
348-D15-9A5	✓	1/8	3/2 NO	VM14	700	4-10	2N

\*Actuating force at 6 Bar

Straight Connection	Elbow Fitting	Silencer
S6510 6-1/8	S6520 6-1/8	Z901 1/8

## Valve Mod. 358-D15-9A5, 5/2

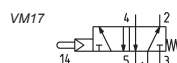


Part Number	Availability	Connection	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Actuating Force*
358-D15-9A5	✓	1/8	5/2	VM16	700	4-10	2N

\*Actuating force at 6 Bar

Straight Connection	Elbow Fitting	Silencer
S6510 6-1/8	S6520 6-1/8	Z901 1/8

## Valve Mod. 458-015-194, 5/2



Part Number	Availability	Connection	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Actuating Force*
458-015-194	✓	1/8	5/2	VM17	650	2.5-8	6N

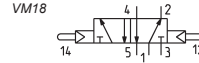
\*Actuating force at 6 Bar

Straight Connection	Elbow Fitting	Silencer
S6510 6-1/8	S6520 6-1/8	Z901 1/8

**Valve Mod. 458-011-294, 5/2**



- ✓ Ex Stock
- 🔧 UK Assembly
- ☎ Please Call Sales Office



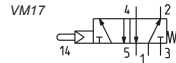
Part Number	Availability	Connection	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Actuating Force*
458-011-294	✓	1/8	5/2	VM18	650	2-8	6N

\*Actuating force at 6 Bar

**ACCESSORIES**

Straight Connection	Elbow Fitting	Silencer
S6510 6-1/8	S6520 6-1/8	2901 1/8

**Valve Mod. 454-015-194, 5/2**

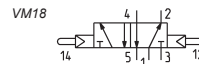


Part Number	Availability	Connection	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Actuating Force*
454-015-194	✓	1/4	5/2	VM17	1250	2.5-8	6N

\*Actuating force at 6 Bar

Straight Connection	Elbow Fitting	Silencer
S6510 8-1/4	S6520 8-1/4	2901 1/4-17

**Valve Mod. 454-011-294, 5/2**

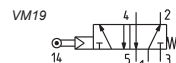


Part Number	Availability	Connection	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Actuating Force*
454-011-294	✓	1/4	5/2	VM18	1250	2-8	6N

\*Actuating force at 6 Bar

Straight Connection	Elbow Fitting	Silencer
S6510 8-1/4	S6520 8-1/4	2901 1/4-17

**Valve Mod. 458-015-195, 5/2**



Part Number	Availability	Connection	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Actuating Force*
458-015-195	✓	1/8	5/2	VM19	650	2.5-8	4N

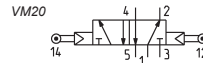
\*Actuating force at 6 Bar

Straight Connection	Elbow Fitting	Silencer
S6510 6-1/8	S6520 6-1/8	2901 1/8

**Valve Mod. 458-011-295, 5/2**



- ✓ Ex Stock
- 🔧 UK Assembly
- ☎ Please Call Sales Office



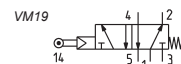
**ACCESSORIES**

Straight Connection	Elbow Fitting	Silencer
S6510 6-1/8	S6520 6-1/8	2901 1/8

Part Number	Availability	Connection	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Actuating Force*
458-011-295	✓	1/8	5/2	VM20	650	2-8	4N

\*Actuating force at 6 Bar

**Valve Mod. 454-015-195, 5/2**

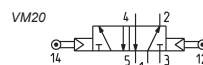


Straight Connection	Elbow Fitting	Silencer
S6510 8-1/4	S6520 8-1/4	2901 1/4-17

Part Number	Availability	Connection	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Actuating Force*
454-015-195	✓	1/4	5/2	VM19	1250	2.5-8	4N

\*Actuating force at 6 Bar

**Valve Mod. 454-011-295, 5/2**



Straight Connection	Elbow Fitting	Silencer
S6510 8-1/4	S6520 8-1/4	2901 1/4-17

Part Number	Availability	Connection	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Actuating Force*
454-011-295	✓	1/4	5/2	VM19	1250	2-8	4N

\*Actuating force at 6 Bar

**CODING EXAMPLE**

<b>3</b>	<b>3</b>	<b>8</b>	<b>-</b>	<b>D15</b>	<b>-</b>	<b>9A5</b>
<b>3</b>	SERIES: 3, 4			<b>D15</b>	D15 = pressure drop/spring 015 = pressure/spring 011 = pressure/pressure	
<b>3</b>	FUNCTION: 3 = 3/2 way N.C. 4 = 3/2 way N.O. 5 = 5/2 way C.A			<b>9A5</b>	RESETTING: 9A5 = lever sensor, spring return 194 = plunger sensor, spring return 294 = plunger sensor, bistable 195 = roller/lever, spring return 295 = roller/lever, bistable	
<b>8</b>	CONNECTIONS: 8 = 1/8 4 = 1/4					

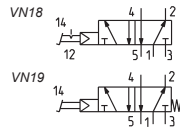
## Series 2 and 3 Pneumatic and Electrical - Foot Operated Pedal

1/4, 5/2 way (pneumatic).  
with NC/NO contacts (electrical).

### Pneumatic foot operated pedal Series 3, 5/2



- ✓ Ex Stock
- 🇬🇧 UK Assembly
- 📞 Please Call Sales Office



#### ACCESSORIES

STRAIGHT CONNECTION	ELBOW FITTING	SILENCER
---------------------	---------------	----------



Part Number	Availability	Connection	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Actuating Force*
354N-925	✓	1/4	5/2	VM18-VN19	650	2.5-8	17N

S6510 8-1/4 S6520 8-1/4 2901 1/4-17

\*Actuating force at 6 Bar

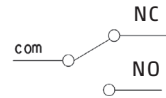


Main



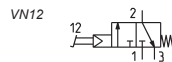
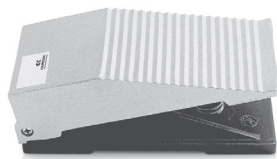
Section

### Electrical foot operated pedal Series 3



Part Number	Availability	Connection	Function
3E2-925	✓	-	NC/NO contacts

### Pneumatic foot operated pedal Series 2, 3/2 NC



STRAIGHT CONNECTION	ELBOW FITTING
---------------------	---------------



Part Number	Availability	Connection	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)
235-925	✓	M5	3/2	VN12	60	2-8
234-925	✓	4mm	3/2	VN12	60	2-8

6512 4-M5	6522 4-M5
-	-



# Series 2 Manually Operated Console Minivalves

3/2 and 5/3

Connections: M5, Ø4mm cartridge

- ✓ Ex Stock
- ✎ UK Assembly
- ☎ Please Call Sales Office

## Push Button



Push Button  
200-895 ✓ Ø22

## Palm Switch Spring Return



Palm Switch Spring Return  
200-975 ✓ Ø22

## Palm Switch Twist Unlock



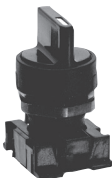
Palm Switch Twist Unlock  
200-972 ✓ Ø22

## Joystick Spring Return



Joystick Spring Return  
200-905 ✓ Ø22

## 2-Position Selector



2-Position Selector  
200-990 ✓ Ø22

## 3-Position Selector



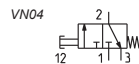
3-Position Selector  
200-870 ✓ Ø22

## Key Switch



Key Switch  
200-904 ✓ Ø22



## Mini Valves 23...-895, 3/2 NC



Part Number	Availability	Connection	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Actuating Force*
235-895	✓	M5	3/2 NC	VN04	60	2-8	7N
234-895	✓	4mm	3/2 NC	VN04	60	2-8	7N

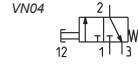
\*Actuating force at 6 Bar

## ACCESSORIES

STRAIGHT CONNECTION	ELBOW FITTING
	
6512 4-M5	6522 4-M5
-	-

**Minivalves Mod. 23...-975, 3/2 NC**



- ✓ Ex Stock
- ✎ UK Assembly
- ☎ Please Call Sales Office



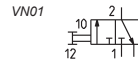
Part Number	Availability	Connection	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Actuating Force*
235-975	✓	M5	3/2 NC	VN04	60	2-8	7N
234-975	✓	4mm	3/2 NC	VN04	60	2-8	7N

\*Actuating force at 6 Bar

**ACCESSORIES**



STRAIGHT CONNECTION	ELBOW FITTING
	
<b>6512 4-M5</b>	<b>6522 4-M5</b>
-	-

**Minivalves Mod. 23...-972, 3/2 NC**



Part Number	Availability	Connection	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Actuating Force*
235-972	✓	M5	3/2 NC	VN01	60	2-8	7N
234-972	✓	4mm	3/2 NC	VN01	60	2-8	7N



\*Actuating force at 6 Bar

STRAIGHT CONNECTION	ELBOW FITTING
	
<b>6512 4-M5</b>	<b>6522 4-M5</b>
-	-

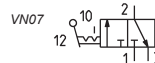
**Minivalves Mod. 23...-905, 3/2 NC**





Part Number	Availability	Connection	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Actuating Force*
235-905	✓	M5	3/2 NC	VN09	60	2-8	-
234-905	✓	4mm	3/2 NC	VN09	60	2-8	-

STRAIGHT CONNECTION	ELBOW FITTING
	
<b>6512 4-M5</b>	<b>6522 4-M5</b>
-	-

**Minivalves Mod. 23...-990, 3/2 NC**



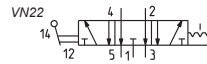
Part Number	Availability	Connection	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Actuating Force*
235-990	✓	M5	3/2 NC	VN07	60	2-8	-
234-990	✓	4mm	3/2 NC	VN07	60	2-8	-

STRAIGHT CONNECTION	ELBOW FITTING
	
<b>6512 4-M5</b>	<b>6522 4-M5</b>
-	-

### Minivalves 28...-870, 5/3 CO



- ✓ Ex Stock
- ✎ UK Assembly
- 📞 Please Call Sales Office

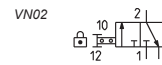


Part Number	Availability	Connection	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Actuating Force*
285-870	✓	M5	5/3 CO	VN22	60	2-8	-
284-870	✓	4mm	5/3 CO	VN22	60	2-8	-

#### ACCESSORIES

STRAIGHT CONNECTION	ELBOW FITTING
6512 4-M5	6522 4-M5
-	-

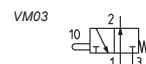
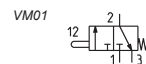
### Minivalves Mod. 23...-904, 3/2 NC



Part Number	Availability	Connection	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Actuating Force*
235-904	✓	M5	3/2 NC	VN22	60	2-8	-
234-904	✓	4mm	3/2 NC	VN22	60	2-8	-

STRAIGHT CONNECTION	ELBOW FITTING
6512 4-M5	6522 4-M5
-	-

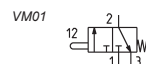
### Minivalves, 3/2 NC & NO



Part Number	Availability	Connection	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Actuating Force*
235-000	✓	M5	3/2 NC	VM01	60	2-8	-
234-000	✓	4mm	3/2 NC	VM01	60	2-8	-
245-000	✓	M5	3/2 NO	VM03	60	2-8	-
244-000	✓	4mm	3/2 NO	VM03	60	2-8	-

STRAIGHT CONNECTION	ELBOW FITTING
6512 4-M5	6522 4-M5
-	-
6512 4-M5	6522 4-M5
-	-

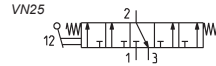
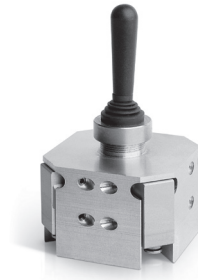
### Minivalves 28...-000, 5/3 CO



Part Number	Availability	Connection	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Actuating Force*
285-000	✓	M5	5/3 CO	VM01	60	2-8	-
284-000	✓	4mm	5/3 CO	VM01	60	2-8	-

STRAIGHT CONNECTION	ELBOW FITTING
6512 4-M5	6522 4-M5
-	-

**Joystick valves Mod. 234-9054, 3/2 NC**



- ✓ Ex Stock
- 🇬🇧 UK Assembly
- ☎ Please Call Sales Office

Part Number	Availability	Connection	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Actuating Force*
234-9054	✓	4mm	3/2 NC	VN25	60	2-8	-

**End Cover**

**Adapter**



Bracket		
210-000	✓	Single
220-000	✓	Double

Panel Hole Adaptor	
200-2230	✓

**CODING EXAMPLE**

2	3	4	-	97	5
<b>2</b>	SERIES: 2				
<b>3</b>	FUNCTION: 3 = 3/2 way NC 4 = 3/2 way NO 8 = 5/3 way CO		<b>97</b>	MODE OF OPERATION*: 87 = 3 - position selector 89 = push button 97 = palm-switch 90 = joystick 99 = 2 - position selector 92 = pedal 904 = key 2 positions	
<b>4</b>	CONNECTIONS: 4 = Ø4mm cartridge 5 = M5		<b>5</b>	RESETTING: 5 = spring return 0 = stable 2 = latching-twist to release 54 = joy stick	

## Series 1, 3, 4 and VMS Manually Operated Valves

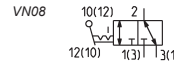
Series 1, 3 and 4, 3/2, 5/2 and 5/3

Connections: 1/8 - 1/4

VMS Series, 3/2

Connections: 1/8 - 1/4 - 3/8 - 1/2, 3/4

### Valve Mod. 338-990, 3/2 NC



- ✓ Ex Stock
- ✎ UK Assembly
- 📞 Please Call Sales Office

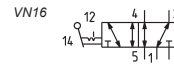
Part Number	Availability	Connection	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Actuating Force*
338-990	✓	1/8	3/2 NC	VN08	700	-0.9-10	18N

\*Actuating force at 6 Bar

#### ACCESSORIES

STRAIGHT CONNECTION	ELBOW FITTING	SILENCER
S6510 6-1/8	S6520 6-1/8	2901 1/8

### Valve Mod. 358-990, 5/2

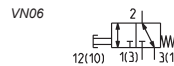


Part Number	Availability	Connection	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Actuating Force*
358-990	✓	1/8	5/2	VN16	700	-0.9-10	18N

\*Actuating force at 6 Bar

STRAIGHT CONNECTION	ELBOW FITTING	SILENCER
S6510 6-1/8	S6520 6-1/8	2901 1/8

### Valves Mod. 338-89..., 3/2 NC

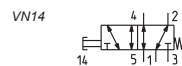


Part Number	Availability	Connection	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Actuating Force*	Colour
338-895	✓	1/8	3/2 NC	VN06	700	-0.9-10	35N	Black
338-896	✓	1/8	3/2 NC	VN06	700	-0.9-10	35N	Green
338-897	✓	1/8	3/2 NC	VN06	700	-0.9-10	35N	Red

\*Actuating force at 6 Bar

STRAIGHT CONNECTION	ELBOW FITTING	SILENCER
S6510 6-1/8	S6520 6-1/8	2901 1/8

### Valves Mod. 358-89..., 5/2



Part Number	Availability	Connection	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Actuating Force*	Colour
358-895	✓	1/8	5/2	VN14	700	-0.9-10	35N	Black
358-896	✓	1/8	5/2	VN14	700	-0.9-10	35N	Green
358-897	✓	1/8	5/2	VN14	700	-0.9-10	35N	Red

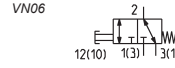
\*Actuating force at 6 Bar

STRAIGHT CONNECTION	ELBOW FITTING	SILENCER
S6510 6-1/8	S6520 6-1/8	2901 1/8

**Valves Mod. 338-97..., 3/2 NC**



- ✓ Ex Stock
- 🔧 UK Assembly
- 📞 Please Call Sales Office



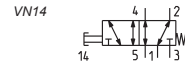
Part Number	Availability	Connection	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Actuating Force*	Colour
338-975	✓	1/8	3/2 NC	VN06	700	-0.9-10	35N	Black
338-976	✓	1/8	3/2 NC	VN06	700	-0.9-10	35N	Green
338-977	✓	1/8	3/2 NC	VN06	700	-0.9-10	35N	Red

\*Actuating force at 6 Bar

**ACCESSORIES**

STRAIGHT CONNECTION	ELBOW FITTING	SILENCER
S6510 6-1/8	S6520 6-1/8	2901 1/8
S6510 6-1/8	S6520 6-1/8	2901 1/8
S6510 6-1/8	S6520 6-1/8	2901 1/8

**Valves Mod. 358-97..., 5/2**

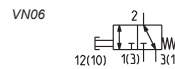
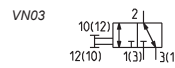


Part Number	Availability	Connection	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Actuating Force*	Colour
358-975	✓	1/8	5/2	VN14	700	-0.9-10	35N	Black
358-976	✓	1/8	5/2	VN14	700	-0.9-10	35N	Green
358-977	✓	1/8	5/2	VN14	700	-0.9-10	35N	Red

\*Actuating force at 6 Bar

STRAIGHT CONNECTION	ELBOW FITTING	SILENCER
S6510 6-1/8	S6520 6-1/8	2901 1/8
S6510 6-1/8	S6520 6-1/8	2901 1/8
S6510 6-1/8	S6520 6-1/8	2901 1/8

**Valves Mod. 338-91..., 3/2 NC**

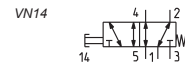
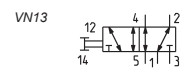


Part Number	Availability	Connection	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Actuating Force*
338-910	✓	1/8	3/2 NC	VN03	700	-0.9-10	6N
338-915	✓	1/8	3/2 NC	VN06	700	-0.9-10	35N

\*Actuating force at 6 Bar

STRAIGHT CONNECTION	ELBOW FITTING	SILENCER
S6510 6-1/8	S6520 6-1/8	2901 1/8
S6510 6-1/8	S6520 6-1/8	2901 1/8

**Valves Mod. 358-91..., 5/2**



Part Number	Availability	Connection	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Actuating Force*
358-910	✓	1/8	5/2	VN13	700	-0.9-10	6N
358-915	✓	1/8	5/2	VN14	700	-0.9-10	35N

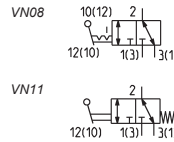
\*Actuating force at 6 Bar

STRAIGHT CONNECTION	ELBOW FITTING	SILENCER
S6510 6-1/8	S6520 6-1/8	2901 1/8
S6510 6-1/8	S6520 6-1/8	2901 1/8

### Valves Mod. 338-90..., 3/2 NC



- ✓ Ex Stock
- ✎ UK Assembly
- 📞 Please Call Sales Office



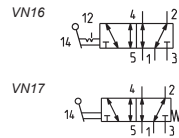
#### ACCESSORIES

STRAIGHT CONNECTION	ELBOW FITTING	SILENCER
S6510 6-1/8	S6520 6-1/8	2901 1/8
S6510 6-1/8	S6520 6-1/8	2901 1/8

Part Number	Availability	Connection	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Actuating Force*
338-900	✓	1/8	3/2 NC	VN08	700	-0.9-10	6N
338-905	✓	1/8	3/2 NC	VN11	700	-0.9-10	35N

\*Actuating force at 6 Bar

### Valves Mod. 358-90..., 5/2

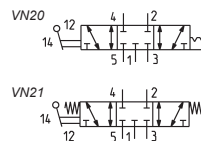


STRAIGHT CONNECTION	ELBOW FITTING	SILENCER
S6510 6-1/8	S6520 6-1/8	2901 1/8
S6510 6-1/8	S6520 6-1/8	2901 1/8

Part Number	Availability	Connection	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Actuating Force*
358-900	✓	1/8	5/2	VN16	700	-0.9-10	5N
358-905	✓	1/8	5/2	VN17	700	-0.9-10	22N

\*Actuating force at 6 Bar

### Valve Mod. 368-90..., 5/3 CC

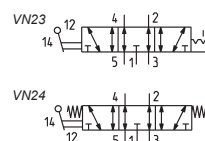


STRAIGHT CONNECTION	ELBOW FITTING	SILENCER
S6510 6-1/8	S6520 6-1/8	2901 1/8
S6510 6-1/8	S6520 6-1/8	2901 1/8

Part Number	Availability	Connection	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Actuating Force*
368-900	✓	1/8	5/3 CC	VN20	500	-0.9-10	5N
368-905	✓	1/8	5/3 CC	VN21	500	-0.9-10	20N

\*Actuating force at 6 Bar

### Valve Mod. 378-90..., 5/3 CO

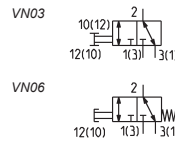


STRAIGHT CONNECTION	ELBOW FITTING	SILENCER
S6510 6-1/8	S6520 6-1/8	2901 1/8
S6510 6-1/8	S6520 6-1/8	2901 1/8

Part Number	Availability	Connection	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Actuating Force*
378-900	✓	1/8	5/3 CO	VN23	500	-0.9-10	5N
378-905	✓	1/8	5/3 CO	VN24	500	-0.9-10	20N

\*Actuating force at 6 Bar

**Valves Mod. 434-91..., 3/2 NC**



- ✓ Ex Stock
- ✎ UK Assembly
- 📞 Please Call Sales Office

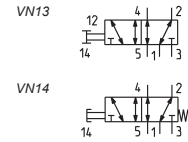
Part Number	Availability	Connection	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Actuating Force*
434-910	✓	1/4	3/2 NC	VN03	1250	-0.9-10	10N
434-915	✓	1/4	3/2 NC	VN06	1250	-0.9-10	37N

\*Actuating force at 6 Bar

**ACCESSORIES**

STRAIGHT CONNECTION	ELBOW FITTING	SILENCER
S6510 8-1/4	S6520 8-1/4	2901 1/4-17
S6510 8-1/4	S6520 8-1/4	2901 1/4-17

**Valves Mod. 454-91..., 5/2**



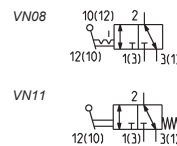
- Main
- Section

Part Number	Availability	Connection	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Actuating Force*
454-910	✓	1/4	5/2	VN13	1250	-0.9-10	10N
454-915	✓	1/4	5/2	VN14	1250	-0.9-10	37N

\*Actuating force at 6 Bar

STRAIGHT CONNECTION	ELBOW FITTING	SILENCER
S6510 8-1/4	S6520 8-1/4	2901 1/4-17
S6510 8-1/4	S6520 8-1/4	2901 1/4-17

**Valves Mod. 434-90..., 3/2 NC**

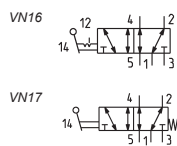


Part Number	Availability	Connection	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Actuating Force*
434-900	✓	1/4	3/2 NC	VN08	1250	-0.9-10	5N
434-905	✓	1/4	3/2 NC	VN11	1250	-0.9-10	37N

\*Actuating force at 6 Bar

STRAIGHT CONNECTION	ELBOW FITTING	SILENCER
S6510 8-1/4	S6520 8-1/4	2901 1/4-17
S6510 8-1/4	S6520 8-1/4	2901 1/4-17

**Valves Mod. 454-90..., 5/2**



Part Number	Availability	Connection	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Actuating Force*
454-900	✓	1/4	5/2	VN16	1250	-0.9-10	5N
454-905	✓	1/4	5/2	VN17	1250	-0.9-10	37N

\*Actuating force at 6 Bar

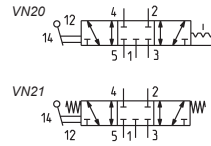
STRAIGHT CONNECTION	ELBOW FITTING	SILENCER
S6510 8-1/4	S6520 8-1/4	2901 1/4-17
S6510 8-1/4	S6520 8-1/4	2901 1/4-17



### Valve Mod. 464-90.., 5/3CC



- ✓ Ex Stock
- 🔧 UK Assembly
- ☎ Please Call Sales Office



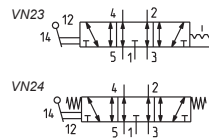
#### ACCESSORIES

STRAIGHT CONNECTION	ELBOW FITTING	SILENCER
S6510 8-1/4	S6520 8-1/4	2901 1/4-17
S6510 8-1/4	S6520 8-1/4	2901 1/4-17

Part Number	Availability	Connection	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Actuating Force*
464-900	✓	1/4	5/3 CC	VN20	1250	-0.9-10	5N
464-905	✓	1/4	5/3 CC	VN21	1250	-0.9-10	10N

\*Actuating force at 6 Bar

### Valve Mod. 474-90.., 5/3 CO



Straight Connection	Elbow Fitting	Silencer
S6510 8-1/4	S6520 8-1/4	2901 1/4-17
S6510 8-1/4	S6520 8-1/4	2901 1/4-17

Part Number	Availability	Connection	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Actuating Force*
474-900	✓	1/4 CO	5/3	VN23	1250	-0.9-10	5N
474-905	✓	1/4 CO	5/3	VN24	1250	-0.9-10	10N

\*Actuating force at 6 Bar

### Valve Mod. 13..-900, 3/2 NC

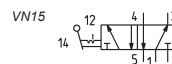
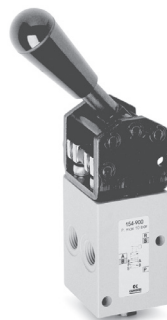


STRAIGHT CONNECTION	ELBOW FITTING	SILENCER
S6510 6-1/8	S6520 6-1/8	2901 1/8
S6510 8-1/4	S6520 8-1/4	2901 1/4-17

Part Number	Availability	Connection	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Actuating Force*
138-900	✓	1/8	3/2 NC	VN07	500	0-10	25N
134-900	✓	1/4	3/2 NC	VN07	1250	0-10	30N

\*Actuating force at 6 Bar

### Valve Mod. 15..-900, 5/2

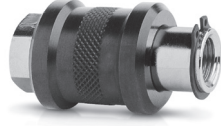


STRAIGHT CONNECTION	ELBOW FITTING	SILENCER
S6510 6-1/8	S6520 6-1/8	2901 1/8
S6510 8-1/4	S6520 8-1/4	2901 1/4-17

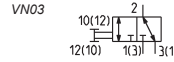
Part Number	Availability	Connection	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Actuating Force*
158-900	✓	1/8	5/2	VN15	500	0-10	45N
154-900	✓	1/4	5/2	VN15	1250	0-10	55N

\*Actuating force at 6 Bar

**Series VMS slide valves**



- ✓ Ex Stock
- 🔧 UK Assembly
- ☎ Please Call Sales Office



Part Number	Availability	Connection	Function	Symbol	Flow Rate (NI/min) P-A	Flow Rate (NI/min) A-R	Operating Pressures (Bar)
VMS-105-M5	✓	-	-	VNO3	140	145	0-8
VMS-118-1/8	✓	-	-	VNO3	600	740	0-8
VMS-114-1/4	✓	-	-	VNO3	1200	1780	0-8
VMS-138-3/8	✓	-	-	VNO3	2100	1830	0-8
VMS-112-1/2	✓	-	-	VNO3	3350	4030	0-8
VMS-134-3/4	✓	-	-	VNO3	5350	5000	0-8

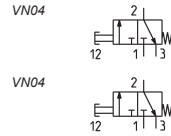
\*Actuating force at 6 Bar

**ACCESSORIES**

STRAIGHT CONNECTION	ELBOW FITTING
6512 4-M5	6522 4-M5
6512 4-1/8	6522 4-1/8
6512 6-1/4	6522 6-1/4
6512 8-3/8	6522 8-3/8
6512 12-1/2	6522 12-1/2
S6510 16-3/4	S6520 16-3/4



**Valve Mod. 13...-935, 3/2 NC**



Part Number	Availability	Connection	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Actuating Force*
138-935	✓	1/8	3/2 NC	VNO4	500	0-10	38N
134-935	✓	1/4	3/2 NC	VNO4	1250	0-10	40N

\*Actuating force at 6 Bar

STRAIGHT CONNECTION	ELBOW FITTING	SILENCER
S6510 6-1/8	S6520 6-1/8	2901 1/8
S6510 8-1/4	S6520 8-1/4	2901 1/4-17

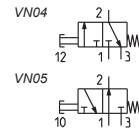
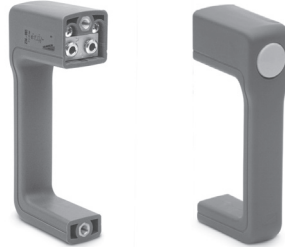
**CODING EXAMPLE**

3	5	8	-	900
<b>3</b> SERIES: 1, 3, 4		<b>8</b> CONNECTIONS: 8 = 1/8 4 = 1/4		
	<b>5</b> FUNCTION: 3 = 3/2 way NC 5 = 5/2 way 6 = 5/3 way C.C. 7 = 5/3 way C.O.			
		<b>900</b> ACTUATION: 895 = push button, monostable, black 896 = push button, monostable, green 897 = push button, monostable, red 900 = lever, bistable 905 = lever, monostable 910 = knob, bistable 915 = knob, monostable 935 = digital monostable		975 = palm-switch, monostable, black 976 = palm-switch, monostable, green 977 = palm-switch, monostable, red 990 = switch, bistable

## Series 2 Mini-Handle Valves

Handle with incorporated micro valve 3/2 NC  
Handle with incorporated micro switch

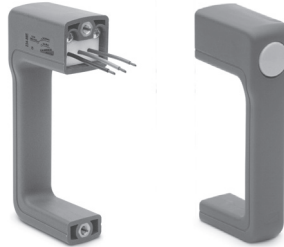
### Handle 3/2 NC and NO



- ✓ Ex Stock
- 🔧 UK Assembly
- 📞 Please Call Sales Office

Part Number	Availability	Connection	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Actuating Force*
234-885	✓	-	3/2 NC	VN04	60	2-8	13N (at 6 bar)
244-885	📞	-	3/2 NC	VN05	60	2-8	13N (at 6 bar)

### Handle, 3/2 NC



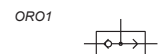
Part Number	Availability	Connection	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Actuating Force*
234-88E	📞	-	3/2 NC	VN04	60	2-8	13N (at 6 bar)

For electrical Characteristics please see full catalogue.

## Series 2L Basic Logic Valves

(OR - AND - YES - NOT - MEMORY)  
Ø4mm cartridge

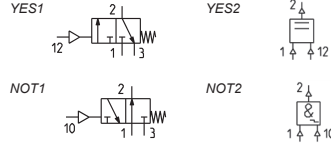
### Basic logic valves AND / OR



- ✓ Ex Stock
- 🔧 UK Assembly
- 📞 Please Call Sales Office

Part Number	Availability	Connection	Function	Symbol	Flow Rate (NI/min) (6 bar ΔP 1bar)	Operating Pressures (Bar)
2LR-SB4-B	✓	-	OR	ORO1	70	2-8
2LD-SB4-B	✓	-	AND	AND1	70	2-8

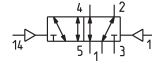
**Basic logic valves YES / NOT**



- ✓ Ex Stock
- 🇬🇧 UK Assembly
- ☎ Please Call Sales Office

Part Number	Availability	Function	Pneumatic Symbol	Logic Symbol	Flow Rate (NI/min) (6 bar ΔP 1bar)	Operating Pressures (Bar)
2LS-SB4-B	✓	YES	YES1	YES2	70	2-8
2LT-SB4-B	✓	NOT	NOT1	NOT2	70	2-8

**Basic logic valves "Memory"**



Part Number	Availability	Function	Pneumatic Symbol	Logic Symbol	Flow Rate (NI/min) (6 bar ΔP 1bar)	Operating Pressures (Bar)
2LM-SB4-B	✓	Memory	MEM1	MEM2	70	2-8

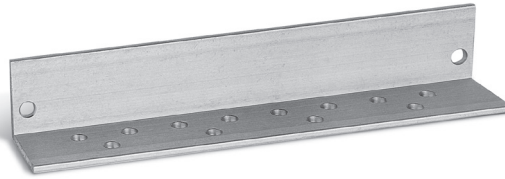


Main



Section

Part Number	Availability
2LQ-8A	✓



**Series 2L Pneumatically Operated Amplifier Valve**

3/2 monostable  
Connections: 1/8 - Pilot M5

**Pneumatically operated 3/2 NC amplifier valve - 1/8 ports**



- ✓ Ex Stock
- 🇬🇧 UK Assembly
- ☎ Please Call Sales Office

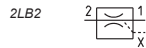
Part Number	Availability	Connection	Function	Symbol	Flow Rate (NI/min) (6 bar ΔP 1bar)	Operating Pressures (Bar)
2LA-AM	✓	-	3/2 NC	AMP1	120	2-8

## Series 2L Sender and Receiver Elements

### Sender Series 2L - M5 ports

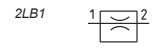


- ✓ Ex Stock
- ✎ UK Assembly
- ☎ Please Call Sales Office



Part Number	Availability	Function	Symbol	Min Pressure (Bar)	Operating Pressures (Bar)
2LB-SR	✓	Receiver	2LB2	0.3	0.6

### Receiver sensor Series 2L - M5 ports



Part Number	Availability	Function	Symbol	Min Pressure (Bar)	Operating Pressures (Bar)
2LB-SE	✓	Sender	2LB1	0.3	2

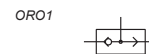
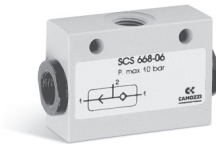
## Series SCS, VNR, VSC, VSO and VMR Automatic Valves

Unidirectional valves VNR  
Quick exhaust valves VSC - VSO  
Shuttle valve SCS  
Connections: M5, 1/8, 1/4, 1/2

Ø4mm cartridge

### Circuit selector Mod. SCS

- ✓ Ex Stock
- ✎ UK Assembly
- ☎ Please Call Sales Office



Part Number	Availability	Connection	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Min. Actuation Pressure (Bar)
SCS-668-06	✓	1/8	OR01	OR01	800	0.2-10	0.2

### ACCESSORIES

STRAIGHT CONNECTION



S6510 6-1/8

### Series VNR Unidirectional Valves (With Tube Connections)

New



- ✓ Ex Stock
- ✎ UK Assembly
- ☎ Please Call Sales Office

VNR1



Part Number	Availability	Symbol	Flow Rate at 6 Bar (NI/min)	Min. Operating Pressure (Bar)	Max. Working Pressure (Bar)
6580 4-VNR	✓	VNR1	85	0.5	10
6580 6-VNR	✓	VNR1	450	0.2	10
6580 8-VNR	✓	VNR1	900	0.2	10

### Series VNR unidirectional valves

- ✓ Ex Stock
- 🔧 UK Assembly
- ☎ Please Call Sales Office



VNR1



#### ACCESSORIES

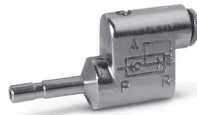
STRAIGHT CONNECTOR



Part Number	Availability	Connection	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Min. Actuation Pressure (Bar)
VNR-205-M5	✓	M5	-	VNR1	50	1-10	1
VNR-210-1/8	✓	1/8	-	VNR1	600	0.2-10	0.2
VNR-843-07	✓	1/4	-	VNR1	1400	0.2-10	0.2
VNR-238-3/8	✓	3/8	-	VNR1	3000	0.02-10	0.02
VNR-212-1/2	✓	1/2	-	VNR1	5800	0.02-10	0.02
VNR-234-3/4	✓	3/4	-	VNR1	8000	0.06-10	0.06

6512 4-M5
S6510 6-1/8
S6510 8-1/4
S6510 10-3/8
S6510 12-1/2
S6510 16-3/4

### Quick exhaust valves Mod. VSO 425-M5



VSC1



Part Number	Availability	Connection	Function	Symbol	Flow Rate (NI/min)	Min Pressure (Bar)	Min. Actuation Pressure (Bar)
Quick Exhaust Valve							
VSO-425-M5	✓	M5	-	VSC1	50	100	1

### Quick exhaust valves Mod. VSO 426-04



VSC1



Part Number	Availability	Connection	Function	Symbol	Flow Rate (NI/min)	Min Pressure (Bar)	Min. Actuation Pressure (Bar)
Quick Exhaust Valve							
VSO-426-04	✓	cartridge Ø4	-	VSC1	50	100	1

### Series VSC quick exhaust valves



VSC1



STRAIGHT CONNECTOR

SILENCER



Part Number	Availability	Connection	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Min. Actuation Pressure (Bar)
VSC 588-1/8	✓	1/8	-	VSC1	650	1000	0.5
VSC 544-1/4	✓	1/4	-	VSC1	1100	2300	0.3
VSC 522-1/2	✓	1/2	-	VSC1	4500	6700	0.2

S6510 6-1/8	2901 1/8
S6510 8-1/4	2901 1/4
S6510 12-1/2	2901 1/2

### Valve with maximum adjustable pressure Mod. VMR 1/8-B10



VMP1



STRAIGHT CONNECTOR



Part Number	Availability	Connection	Function	Symbol	Flow Rate (NI/min)	Operating Pressures (Bar)	Min. Actuation Pressure (Bar)
VMR-1/8-B10	✓	1/8	-	VMP1		1-8	

S6510 6-1/8
-------------

# Series VBU, VBO Blocking Valves

Unidirectional and bidirectional 1/8, 1/4, 3/8, 1/2  
Nominal diameters 5.5 - 8 - 11.

## Unidirectional blocking valve



### ACCESSORIES

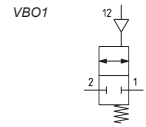
Straight Connection



- ✓ Ex Stock
- ✎ UK Assembly
- ☎ Please Call Sales Office

Part Number	Availability	Connection	Symbol
VBU 1/8	✓	1/8	VBU1
VBU 1/4	✓	1/4	VBU1
VBU 3/8	✓	3/8	VBU1
VBU 1/2	✓	1/2	VBU1

## Bidirectional blocking valve



### ACCESSORIES

Straight Connection



- ✓ Ex Stock
- ✎ UK Assembly
- ☎ Please Call Sales Office

Part Number	Availability	Connection	Symbol
VBO 1/8	✓	1/8	VBO1
VBO 1/4	✓	1/4	VBO1
VBO 3/8	✓	3/8	VBO1
VBO 1/2	✓	1/2	VBO1

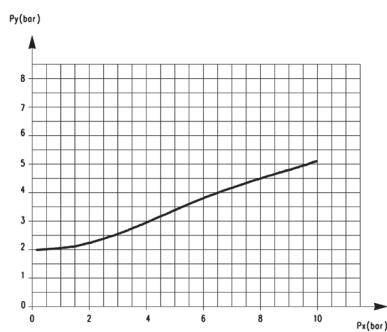
### CODING EXAMPLE

<b>VB</b>	<b>U</b>	-	<b>1/8</b>
<b>VB</b> SERIES: VB	<b>U</b> VERSIONS: U = unidirectional O = bidirectional		<b>1/8</b> CONNECTIONS: 1/8, 1/4, 3/8, 1/2

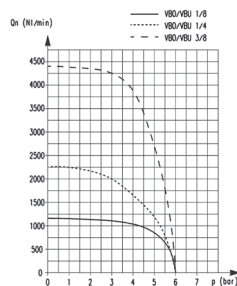
VALVES AND SOLENOID VALVES



## Unidirectional and Bidirectional Blocking Valves

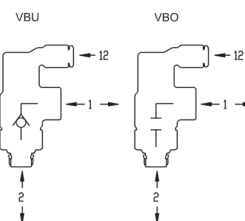
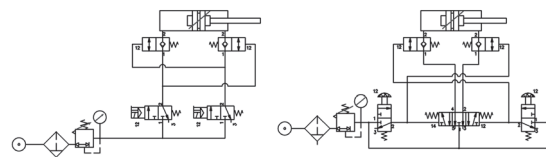
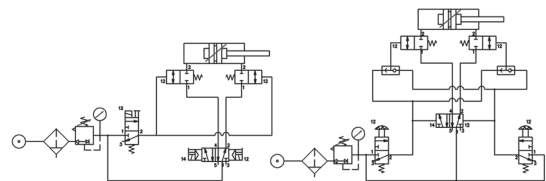


**PILOT PRESSURE:** This diagram shows the relation between working pressure (Px) and pilot pressure required in order to operate the valve (Py).  
The opening pressure of the unidirectional valve is 0,3 bar.



**FLOW RATE**  
Flow Q (NI/min.)  
N.B.: Q is determined with an inlet pressure of 6 bar.

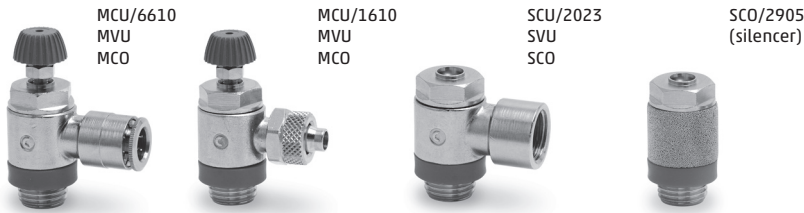
## Application Schemes



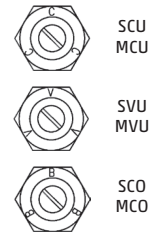
# Series SCU, MCU, SVU, MVU, SCO, MCO Flow Control Valves

Unidirectional and bidirectional  
banjo flow controllers  
Connections: M5, 1/8, 1/4, 3/8, 1/2

## AVAILABLE BANJO FLOW CONTROLLERS



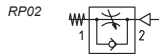
## TYPES



## Unidirectional flow controllers Series SCU



- ✓ Ex Stock
- ✓ UK Assembly
- ⊙ Please Call Sales Office



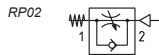
Part Number	Availability
Unidirectional Cylinder Mount	
SCU 602 - M5	✓
SCU 604 - 1/8	✓
SCU 606 - 1/4	✓
SCU 608 - 3/8	✓

Ring connector required see page 166

## ACCESSORIES

RING CONNECTOR PUSH IN	RING CONNECTOR PUSH ON	SILENCER
6610 4-M6	-	2905 M5
6610 6-1/8	1610 6/4-1/8	2905 1/8
6610 8-1/4	1610 8/6-1/4	2905 1/4
6610 10-3/8	1610 10/8-3/8	2905 3/8

## Unidirectional flow controllers Series MCU

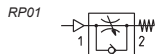


Part Number	Availability
Unidirectional Cylinder Mount	
MCU 702 - M5	✓
MCU 704 - 1/8	✓
MCU 706 - 1/4	✓
MCU 708 - 3/8	✓

Ring connector required see page 166

RING CONNECTOR PUSH IN	RING CONNECTOR PUSH ON	SILENCER
6610 4-M6	-	2905 M5
6610 6-1/8	1610 6/4-1/8	2905 1/8
6610 8-1/4	1610 8/6-1/4	2905 1/4
6610 10-3/8	1610 10/8-3/8	2905 3/8

## Unidirectional flow controllers Series SVU



Part Number	Availability
Unidirectional Valve Mount	
SVU 602 - M5	✓
SVU 604 - 1/8	✓
SVU 606 - 1/4	✓

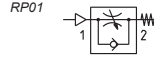
Ring connector required see page 166

RING CONNECTOR PUSH IN	RING CONNECTOR PUSH ON	SILENCER
6610 4-M6	-	2905 M5
6610 6-1/8	1610 6/4-1/8	2905 1/8
6610 8-1/4	1610 8/6-1/4	2905 1/4



## Unidirectional flow controllers Series MVU

- ✓ Ex Stock
- 🔧 UK Assembly
- 📞 Please Call Sales Office



Part Number	Availability
Unidirectional Valve Mount	
<b>MVU 702 - M5</b>	✓
<b>MVU 704 - 1/8</b>	✓
<b>MVU 706 - 1/4</b>	✓

Ring connector required see page 166

### ACCESSORIES

RING CONNECTOR PUSH IN	RING CONNECTOR PUSH ON	SILENCER
<b>6610 4-M6</b>	-	<b>2905 M5</b>
<b>6610 6-1/8</b>	<b>1610 6/4-1/8</b>	<b>2905 1/8</b>
<b>6610 8-1/4</b>	<b>1610 8/6-1/4</b>	<b>2905 1/4</b>

## Bidirectional flow controllers Series SCO

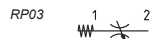


Part Number	Availability
Bidirectional Cylinder Mount	
<b>SCO 602 - M5</b>	✓
<b>SCO 604 - 1/8</b>	✓
<b>SCO 606 - 1/4</b>	✓

Ring connector required see page 166

RING CONNECTOR PUSH IN	RING CONNECTOR PUSH ON	SILENCER
<b>6610 4-M6</b>	-	<b>2905 M5</b>
<b>6610 6-1/8</b>	<b>1610 6/4-1/8</b>	<b>2905 1/8</b>
<b>6610 8-1/4</b>	<b>1610 8/6-1/4</b>	<b>2905 1/4</b>

## Bidirectional flow controllers Series MCO



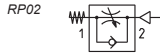
Part Number	Availability
Bidirectional Cylinder Mount	
<b>MCO 702 - M5</b>	✓
<b>MCO 704 - 1/8</b>	✓
<b>MCO 706 - 1/4</b>	✓

Ring connector required see page 166

RING CONNECTOR PUSH IN	RING CONNECTOR PUSH ON	SILENCER
<b>6610 4-M6</b>	-	<b>2905 M5</b>
<b>6610 6-1/8</b>	<b>1610 6/4-1/8</b>	<b>2905 1/8</b>
<b>6610 8-1/4</b>	<b>1610 8/6-1/4</b>	<b>2905 1/4</b>

**Unidirectional flow controllers Series SCU**

- ✓ Ex Stock
- 🇬🇧 UK Assembly
- 📞 Please Call Sales Office



Part Number	Availability
Unidirectional Cylinder Mount	
<b>SCU 610 - 1/2</b>	✓
Pre-assembled with ring connector	

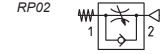
**ACCESSORIES**

STRAIGHT CONNECTOR



**S6510 12-1/2**

**Unidirectional flow controllers Series MCU**



Part Number	Availability
Unidirectional Cylinder Mount	
<b>MCU 710 - 1/2</b>	✓
Pre-assembled with ring connector	

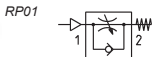
**ACCESSORIES**

STRAIGHT CONNECTOR



**S6510 12-1/2**

**Unidirectional flow controllers Series SVU**



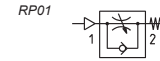
Part Number	Availability
Unidirectional Valve Mount	
<b>SVU 610 - 1/2</b>	✓
Pre-assembled with ring connector	

STRAIGHT CONNECTOR



**S6510 12-1/2**

**Unidirectional flow controllers Series MVU**



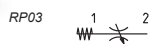
Part Number	Availability
Unidirectional Valve Mount	
<b>MVU 710 - 1/2</b>	✓
Pre-assembled with ring connector	

STRAIGHT CONNECTOR



**S6510 12-1/2**

**Bidirectional flow controllers Series SCO**



Part Number	Availability
Bidirectional Cylinder Mount	
<b>SCO 610 - 1/2</b>	✓
Pre-assembled with ring connector	

STRAIGHT CONNECTOR



**S6510 12-1/2**

**Bidirectional flow controllers Series MCO**



Part Number	Availability
Bidirectional Cylinder Mount	
<b>MCO 710 - 1/2</b>	✓
Pre-assembled with ring connector	

STRAIGHT CONNECTOR



**S6510 12-1/2**

## Series SCU, MCU, SVU, MVU, SCO, MCO Flow Control Valves

- ✓ Ex Stock
- 🇬🇧 UK Assembly
- ☎ Please Call Sales Office

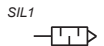
### Flow Control Valves with Silencer Series RSW

Part Number	Availability
RSW 1/8	✓
RSW 1/4	✓
RSW 3/8	✓
RSW 1/2	✓



### Silenced Exhaust Controllers Series SCO + 2905

Part Number	Availability
SCO 602-M5+2905 M5	✓
SCO 604-1/8+2905 1/8	✓
SCO 606-1/4+2905 1/4	✓



#### CODING EXAMPLE

M	CU	7	02	-	M5
<b>M</b>	ACTUATION: M = Manual S = Screwdriver				
<b>CU</b>	ASSEMBLY: CU = on cylinders unidirectional VU = on valves unidirectional CO = bidirectional		<b>02</b> NOMINAL DIAMETER: 02 = Ø 1.5 max 04 = Ø 2 max 06 = Ø 4 max 08 = Ø 7 max 10 = Ø 12 max		
<b>7</b>	VERSIONS: 6 = needle (screwdriver operated) 7 = needle (manual operated)		<b>M5</b> CONNECTIONS: M5, 1/8, 1/4, 3/8, 1/2		

### Single Banjo Connector



Single Banjo Connector	Availability
6610 4 - M5	✓
6610 4 - M6•	✓
6610 4 - 1/8	✓
6610 5 - M5	✓
6610 5 - M6•	✓
6610 5 - 1/8	✓
6610 6 - M5	✓
6610 6 - M6•	✓
6610 6 - 1/8	✓
6610 6 - 1/4	✓
6610 8 - 1/8	✓
6610 8 - 1/4	✓
6610 8 - 3/8	✓
6610 10 - 1/4	✓
6610 10 - 3/8	✓
6610 12 - 1/2	✓

### Single Banjo Ring Connector



Single Banjo Ring Connector	Availability
1610 5/3 - M5	✓
1610 5/3 - M6•	✓
1610 5/3 - 1/8	✓
1610 6/4 - M5	✓
1610 6/4 - M6•	✓
1610 6/4 - 1/8	✓
1610 6/4 - 1/4	✓
1610 6/4 - 3/8	✓
1610 8/6 - 1/8	✓
1610 8/6 - 1/4	✓
1610 8/6 - 3/8	✓
1610 10/8 - 1/8	✓
1610 10/8 - 1/4	✓
1610 10/8 - 3/8	✓
1610 10/8 - 1/2	✓
1610 12/10 - 3/8	✓
1610 12/10 - 1/2	✓
1610 15/12.5 - 1/2	✓

### Banjo Ring Connector



Banjo Ring Connector	Availability
2023 M5 - M5	✓
2023 M5 - M6•	✓
2023 1/8 - 1/8	✓
2023 1/4 - 1/4	✓
2023 3/8 - 3/8	✓

### Single Banjo Ring Connector



Single Banjo Ring Connector	Availability
1170 6 - 1/8	✓
1170 6 - 1/4	✓
1170 8 - 1/8	✓

### Silencing Bush Series 2905

Part Number	Availability
2905 1/8	✓
2905 1/4	✓
2905 3/8	✓



For use with SCO and MCO flow control valves

• Banjo ring connector required for M5 versions of SCU, MCO, SVU, MVU, SCO and MCO

# Flow control valves Series PSCU, PMCU, PSVU, PMVU, PSCO and PMCO

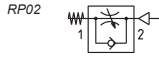
Unidirectional and bidirectional flow control valves  
Flow Regulators with banjo in technopolymer  
Connections: 1/8, 1/4, 3/8

- ✓ Ex Stock
- 🇬🇧 UK Assembly
- ☎ Please Call Sales Office

VALVES AND SOLENOID VALVES

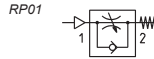
 Main  
 Section

## Unidirectional Flow Controllers Series PSCU



Part Number	Availability
PSCU 602-M5-4	✓
PSCU 602-M5-6	✓
PSCU 604-1/8-4	✓
PSCU 604-1/8-6	✓
PSCU 604-1/8-8	✓
PSCU 606-1/4-6	✓
PSCU 606-1/4-8	✓
PSCU 606-1/4-10	✓
PSCU 608-3/8-10	✓
PSCU 608-3/8-12	✓

## Unidirectional Flow Controllers Series PSVU



Part Number	Availability
PSVU 602-M5-4	✓
PSVU 602-M5-6	✓
PSVU 604-1/8-4	✓
PSVU 604-1/8-6	✓
PSVU 604-1/8-8	✓
PSVU 606-1/4-6	✓
PSVU 606-1/4-8	✓
PSVU 606-1/4-10	✓
PSVU 608-3/8-10	✓
PSVU 608-3/8-12	✓

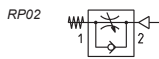
## Bidirectional Flow controllers Series PSCO



Part Number	Availability
PSCO 602-M5-4	✓
PSCO 602-M5-6	✓
PSCO 604-1/8-4	✓
PSCO 604-1/8-6	✓
PSCO 604-1/8-8	✓
PSCO 606-1/4-6	✓
PSCO 606-1/4-8	✓
PSCO 606-1/4-10	✓
PSCO 608-3/8-10	✓
PSCO 608-3/8-12	✓

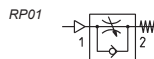


## Unidirectional Flow Controllers Series PMCU



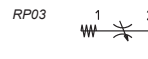
Part Number	Availability
PMCU 702-M5-4	✓
PMCU 702-M5-6	✓
PMCU 704-1/8-4	✓
PMCU 704-1/8-6	✓
PMCU 704-1/8-8	✓
PMCU 706-1/4-6	✓
PMCU 706-1/4-8	✓
PMCU 706-1/4-10	✓
PMCU 708-3/8-10	✓
PMCU 708-3/8-12	✓

## Unidirectional Flow Controllers Series PMVU



Part Number	Availability
PMVU 702-M5-4	✓
PMVU 702-M5-6	✓
PMVU 704-1/8-4	✓
PMVU 704-1/8-6	✓
PMVU 704-1/8-8	✓
PMVU 706-1/4-6	✓
PMVU 706-1/4-8	✓
PMVU 706-1/4-10	✓
PMVU 708-3/8-10	✓
PMVU 708-3/8-12	✓

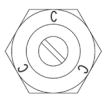
## Bidirectional Flow Controllers Series PMCO



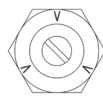
Part Number	Availability
PMCO 702-M5-4	✓
PMCO 702-M5-6	✓
PMCO 704-1/8-4	✓
PMCO 704-1/8-6	✓
PMCO 704-1/8-8	✓
PMCO 706-1/4-6	✓
PMCO 706-1/4-8	✓
PMCO 706-1/4-10	✓
PMCO 708-3/8-10	✓
PMCO 708-3/8-12	✓



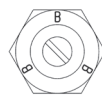
## TYPES



PSCU  
PMCU



PSVU  
PMVU



PSCO  
PMCO

PSCU-PMCU = assembly directly on the cylinders  
PSVU-PMVU = assembly directly on the valves  
PSCO-PMCO = assembly directly on the cylinders or valves

## CODING EXAMPLE

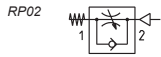
<b>P</b>	<b>M</b>	<b>CU</b>	<b>7</b>	<b>04</b>	<b>-</b>	<b>1/8</b>	<b>-</b>	<b>4</b>
----------	----------	-----------	----------	-----------	----------	------------	----------	----------

<b>P</b>	SERIES: P		
<b>M</b>	ACTUATION: M = Manual S = Screwdriver	<b>04</b>	NOMINAL DIAMETER: 04 = Ø 2mm max 06 = Ø 4mm max 08 = Ø 4mm max
<b>CU</b>	ASSEMBLY: CU = on cylinders unidirectional VU = on valves unidirectional CO = bidirectional	<b>1/8</b>	CONNECTIONS: 1/8 1/4 3/8
<b>7</b>	VERSIONS: 6 = needle (screwdriver operated) 7 = needle (manual operated)	<b>4</b>	TUBE: 4 = Ø 4mm 6 = Ø 6mm 8 = Ø 8mm 10 = Ø 10mm 12 = Ø 12mm

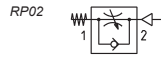
## Series GSCU, GMCU, GSVU, GMVU, GSCO and GMCO Flow Control Valves

Unidirectional and bidirectional M5, 1/8 and 1/4  
banjo flow controllers  
Nominal diameters 1.5 - 3.5 and 5

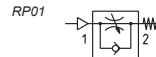
### Unidirectional Cylinder Mounted



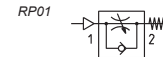
### Unidirectional Cylinder Mounted



### Unidirectional Valve Mounted



### Unidirectional Valve Mounted



Unidirectional Cylinder Mounted	
GSCU 813-M5-3	✓
GSCU 814-M5-4	✓
GSCU 803-1/8-6	✓
GSCU 804-1/8-8	✓
GSCU 805-1/4-8	✓
GSCU 806-1/4-10	✓
Pre-assembled with ring connector	

Unidirectional Cylinder Mounted	
GMCU 913-M5-3	✓
GMCU 914-M5-4	✓
GMCU 903-1/8-6	✓
GMCU 904-1/8-8	✓
GMCU 905-1/4-8	✓
GMCU 906-1/4-10	✓
Pre-assembled with ring connector	

Unidirectional Valve Mounted	
GSVU 813-M5-3	✓
GSVU 814-M5-4	✓
GSVU 803-1/8-6	✓
GSVU 804-1/8-8	✓
GSVU 805-1/4-8	✓
GSVU 806-1/4-10	✓
Pre-assembled with ring connector	

Unidirectional Valve Mounted	
GMVU 913-M5-3	✓
GMVU 914-M5-4	✓
GMVU 903-1/8-6	✓
GMVU 904-1/8-8	✓
GMVU 905-1/4-8	✓
GMVU 906-1/4-10	✓
Pre-assembled with ring connector	

### Bidirectional

Bidirectional	
GSCO 813-M5-3	✓
GSCO 814-M5-4	✓
GSCO 803-1/8-6	✓
GSCO 804-1/8-8	✓
GSCO 805-1/4-8	✓
GSCO 806-1/4-10	✓
Pre-assembled with ring connector	



### Bidirectional

Bidirectional	
GMCO 913-M5-3	✓
GMCO 914-M5-4	✓
GMCO 903-1/8-6	✓
GMCO 904-1/8-8	✓
GMCO 905-1/4-8	✓
GMCO 906-1/4-10	✓
Pre-assembled with ring connector	



### CODING EXAMPLE

GM	CU	9	03	-	1/8	-	6
<b>GM</b>	ACTUATION: GM = manual GS = screwdriver	<b>9</b>	VERSIONS: 8 = needle (screwdriver operated) 9 = needle (manually operated)		<b>1/8</b>		CONNECTIONS: M5, 1/8, 1/4
<b>CU</b>	ASSEMBLY: CU = on cylinders unidirectional VU = on valves unidirectional CO = bidirectional	<b>03</b>	NOMINAL DIAMETER: size    ∅ tube 13 = 1.5    3 14 = 1.5    4 03 = 3.5    6 04 = 3.5    8 05 = 5      8 06 = 5      10		<b>6</b>		∅ TUBE: 3, 4, 6, 8, 10

VALVES AND SOLENOID VALVES



Main

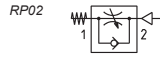


Section

## Series TMCU, TMVU and TMCU Flow Control Valves

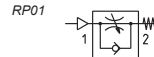
Unidirectional and bidirectional 1/8, 1/4, 3/8, 1/2  
Banjo flow controllers nominal diameters Ø 2 - 3.8 - 5.8 - 8 mm

### Series TMCU Valves



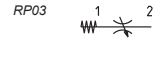
Unidirectional	A	B	Availability
TMCU 972-1/8-4	1/8	4	✓
TMCU 974-1/8-6	1/8	6	✓
TMCU 974-1/4-6	1/4	6	✓
TMCU 976-1/8-8	1/8	8	✓
TMCU 976-1/4-8	1/4	8	✓
TMCU 976-3/8-8	3/8	8	✓
TMCU 978-3/8-10	3/8	10	✓
TMCU 978-1/2-10	1/2	10	✓

### Series TMVU Valves



Unidirectional	A	B	Availability
TMVU 972-1/8-4	1/8	4	✓
TMVU 974-1/8-6	1/8	6	✓
TMVU 974-1/4-6	1/4	6	✓
TMVU 976-1/8-8	1/8	8	✓
TMVU 976-1/4-8	1/4	8	✓
TMVU 976-3/8-8	3/8	8	✓
TMVU 978-3/8-10	3/8	10	✓
TMVU 978-1/2-10	1/2	10	✓

### Series TMCU Valves



Bidirectional	A	B	Availability
TMCU 972-1/8-4	1/8	4	✓
TMCU 974-1/8-6	1/8	6	✓
TMCU 974-1/4-6	1/4	6	✓
TMCU 976-1/8-8	1/8	8	✓
TMCU 976-1/4-8	1/4	8	✓
TMCU 976-3/8-8	3/8	8	✓
TMCU 978-3/8-10	3/8	10	✓
TMCU 978-1/2-10	1/2	10	✓

#### CODING EXAMPLE

<b>TM</b>	<b>CU</b>	<b>9</b>	<b>74</b>	<b>-</b>	<b>1/8</b>	<b>-</b>	<b>6</b>
<b>TM</b>	ACTUATION: TM = manual	<b>9</b>	VERSIONS: 9 = needle (manually operated)	<b>1/8</b>	CONNECTIONS: 1/8, 1/4, 3/8, 1/2		
<b>CU</b>	ASSEMBLY: CU = on cylinders unidirectional VU = on valves unidirectional CO = bidirectional	<b>74</b>	NOMINAL DIAMETER: size Ø tube 72 = 2 4 74 = 3.8 6 76 = 5.8 8 78 = 8 10	<b>6</b>	Ø TUBE: 4, 6, 8, 10		

# UK Cylinder Service



## Reduce Lead Times for Pneumatic Cylinders

- Built the same or next day
- Includes many cylinder types

## Series RFU and RFO in Line Flow Control Valves

Panel or wall-mounted flow controllers

Unidirectional RFU and bidirectional RFO Connections: M5, 1/8, 1/4, 3/8 and 1/2

Nominal diameter: M5 = 1.5, 1/8 = 2 and 3mm, 1/4 = 4 and 6mm, 3/8 and 1/2 = 7mm

### Unidirectional flow control valves Series RFU



- ✓ Ex Stock
- 🔧 UK Assembly
- 📞 Please Call Sales Office

Part Number	Orifice (mm)	Availability	Connection
<b>Unidirectional</b>			
RFU 452-M5	1.5	✓	M5
RFU 482-1/8	2	✓	1/8
RFU 483-1/8	3	✓	1/8
RFU 444-1/4	4	✓	1/4
RFU 446-1/4	6	✓	1/4
RFU 467-3/8	7	✓	3/8
RFU 477-1/2	7	✓	1/2

STRAIGHT  
CONNECTOR



ELBOW  
FITTING



6512 4-M5

6522 4-M5

S6510 6-1/8

S6520 6-1/8

S6510 6-1/8

S6520 6-1/8

S6510 8-1/4

S6520 8-1/4

S6510 8-1/4

S6520 8-1/4

S6510 10-3/8

S6520 10-3/8

S6510 12-1/2

S6520 12-1/2

### Bidirectional flow control valves Series RFO



Part Number	Availability	Connection
<b>Bidirectional</b>		
RFO 352	✓	M5
RFO 382	✓	1/8
RFO 383	✓	1/8
RFO 344	✓	1/4
RFO 346	✓	1/4
RFO 367	✓	3/8
RFO 377	✓	1/2

STRAIGHT  
CONNECTOR



ELBOW  
FITTING



6512 4-M5

6522 4-M5

S6510 6-1/8

S6520 6-1/8

S6510 6-1/8

S6520 6-1/8

S6510 8-1/4

S6520 8-1/4

S6510 8-1/4

S6520 8-1/4

S6510 10-3/8

S6520 10-3/8

S6510 12-1/2

S6520 12-1/2

### CODING EXAMPLE

RF	U 4	8	2	1/8
<b>RF</b>	SERIES: RF		<b>2</b>	NOMINAL DIAMETER: 4 = Ø4 max (for 1/4 only) 6 = Ø6 max (for 1/4 only) 7 = Ø7 max (for 3/8, 1/2 only)
<b>U 4</b>	FUNCTION: U4 = unidirectional O3 = bidirectional		<b>1/8</b>	CONNECTIONS: M5, 1/8, 1/4, 3/8, 1/2
<b>8</b>	CONNECTIONS: 4 = 1/4, 5 = M5, 6 = 3/8, 7 = 1/2, 8 = 1/8			

# Series 28 Flow Control Valves

Connections: 1/8, 1/4, 3/8, 1/2

## Valve Mod. 2810



- ✓ Ex Stock
- 🔧 UK Assembly
- 📞 Please Call Sales Office



Part Number	Availability	Type
2810 1/8	✓	In Line
2810 1/4	✓	In Line
2810 3/8	✓	In Line
2810 1/2	✓	In Line

### Straight Connector



6463 6-1/8

6463 8-1/4

6463 10-1/4

-

## Valve Mod. 2820



Part Number	Availability	Type
2820 1/8	✓	In Line
2820 1/4	✓	In Line
2820 3/8	✓	In Line
2820 1/2	✓	In Line

### Straight Connector



S6510 6-1/8

S6510 8-1/4

S6510 10-3/8

S6510 12-1/2

### Straight Connector



6463 6-1/8

6463 8-1/4

6463 10-1/4

-

## Valve Mod. 2830



Part Number	Availability	Type
2830 1/8	✓	In Line
2830 1/4	✓	In Line
2830 3/8	✓	In Line
2830 1/2	✓	In Line

### Straight Connector



S6510 6-1/8

S6510 8-1/4

S6510 10-3/8

S6510 12-1/2

### Straight Connector



S6520 6-1/8

S6520 8-1/4

S6520 10-3/8

S6520 12-1/2

## Valve Mod. 2819



Part Number	Availability	Type
2819 1/8	✓	Panel Mounted
2819 1/4	✓	Panel Mounted

### Straight Connector



6463 6-1/8

6463 8-1/4



## Valve Mod. 2829

- ✓ Ex Stock
- ✎ UK Assembly
- ☎ Please Call Sales Office



Part Number	Availability	Type
2829 1/8	✓	Panel Mounted
2829 1/4	✓	Panel Mounted

Straight  
Connector



S6510 6-1/8

Straight  
Connector



6463 6-1/8

S6510 8-1/4

6463 8-1/4

## Valve Mod. 2839



Part Number	Availability	Type
2839 1/8	✓	Panel Mounted
2839 1/4	✓	Panel Mounted
2839 3/8	✓	Panel Mounted
2839 1/2	✓	Panel Mounted

Straight  
Connector



S6510 6-1/8

Straight  
Connector



S6520 6-1/8

S6510 8-1/4

S6520 8-1/4

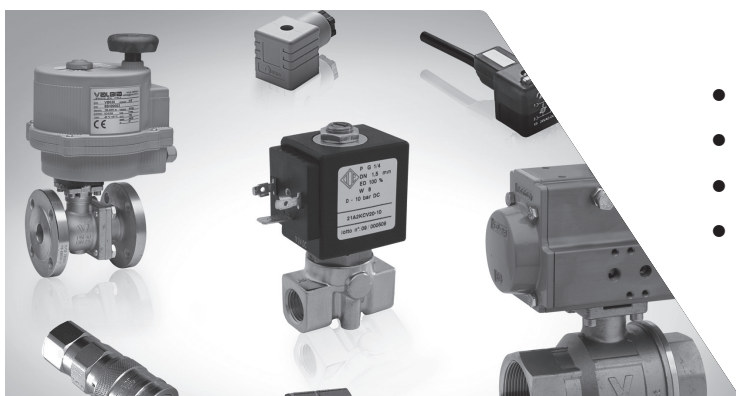
S6510 10-3/8

S6520 10-3/8

S6510 12-1/2

S6520 12-1/2

# More Than Just Pneumatics



- Process Valves and Actuators
- Hydraulic Components
- Solenoid DIN Connectors
- Industrial Solenoid Valves

**New**

## Series 29 Mini Ball Valves for Pneumatics and Industrial Fluids

Tube external diameters: 4, 6 and 8mm

Threads: BSP (1/8, 1/4, 3/8, 1/2)

- ✓ Ex Stock
- 🔧 UK Assembly
- 📞 Please Call Sales Office

VALVES AND SOLENOID VALVES

### Mini ball valves, MINI version - 2948



2/2 in-line with Push-in Collet	Availability
2948 4	✓
2948 6	✓
2948 8	✓

### Mini ball valves, MINI version - 2947



2/2 in-line with Push-in Collet, Male BSPT Threads	Availability
2947 1/8-4	✓
2947 1/8-6	✓
2947 1/8-8	✓
2947 1/4-4	✓
2947 1/4-6	✓
2947 1/4-8	✓

### Mini ball valves, MINI version - 2946



2/2 in-line with Push-in Collet, Female BSPP Threads	Availability
2946 1/8-4	✓
2946 1/8-6	✓
2946 1/8-8	✓
2946 1/4-4	✓
2946 1/4-6	✓
2946 1/4-8	✓

### Mini ball valves, MINI version - 2943



2/2 in-line, Female-Female BSPP Threads	Availability
2943 1/8	✓
2943 1/4	✓



Main



Section

### Mini ball valves, MINI version - 2944



2/2 in-line, Male BSPT-Female BSPP Threads	Availability
2944 1/8-1/8	✓
2944 1/4-1/4	✓

### Mini ball valves, MINI version - 2945



2/2 in-line, Male BSPT Threads	Availability
2945 1/8	✓
2945 1/4	✓

### Colored Interchangeable Clips Mod. C29



	Availability
C29-GREY	✓
C29-RED	✓
C29-BLUE	✓

### Mini ball valves, ECO version - 2953



2/2 in-line, Female-Female BSPP Threads	Availability
2953 1/4	✓
2953 3/8	✓
2953 1/2	✓

### Mini ball valves, ECO version - 2954



2/2 in-line, Male BSPP-Female BSPP Threads	Availability
2954 1/4-1/4	✓
2954 3/8-3/8	✓
2954 1/2-1/2	✓

### Mini ball valves, Butterfly version - 2963



2/2 in-line, Female-Female BSPP Threads	Availability
2963 1/4	✓
2963 3/8	✓
2963 1/2	✓

### Mini ball valves, Butterfly version - 2964



2/2 in-line, Male BSPP-Female BSPP Threads	Availability
2964 1/4-1/4	✓
2964 3/8-3/8	✓
2964 1/2-1/2	✓

### Mini ball valves, 3/2-way version - 2973



3/2 in-line, Male BSPP-Female BSPP Threads	Availability
2973 1/4	✓
2973 3/8	✓
2973 1/2	✓

### Mini ball valves, 3/2-way version - 2974



3/2 in-line, Male BSPP-Female BSPP Threads	Availability
2974 1/4-1/4	✓
2974 3/8-3/8	✓
2974 1/2-1/2	✓

## Series 2901, 2903, 2921, 2931, 2938, 2939, SP, RSW Adjustable Silencers

Connections: M5, 1/8, 1/4, 3/8, 1/2, 3/4, 1



Main



Section

### Silencers Series 2901



- ✓ Ex Stock
- 🔧 UK Assembly
- 📞 Please Call Sales Office

Part Number	Availability	Flow Rate Nl/min	Noise db (A)
2901 M5	✓	150	66
2901 1/8	✓	700	76
2901 1/4 - 17	✓	1000	78
2901 1/4 - 22	✓	1600	80
2901 3/8	✓	1500	76
2901 1/2	✓	3400	86
2901 3/4	✓	4100	87
2901 1	✓	7600	88

### Silencers Series 2903



Part Number	Availability	Flow Rate Nl/min	Noise db (A)
2903 1/8	✓	700	74

### Silencers Series 2921



Part Number	Availability	Flow Rate Nl/min	Noise db (A)
2921 1/8	✓	1550	78
2921 1/4	✓	2400	79
2921 3/8	✓	4800	84
2921 1/2	✓	6800	84
2921 3/4	✓	12700	78
2921 1	✓	>15000	80

**Silencers Series 2931**



Part Number	Availability	Flow Rate Nl/min	Noise db (A)
2931 M5	✓	450	69
2931 M7	✓	1130	76
2931 1/8	✓	1927	88
2931 1/4	✓	3200	86
2931 3/8	✓	4560	81
2931 1/2	✓	6800	87
2931 3/4	✓	12733	78
2931 1	✓	>15000	82

**Silencers Series 2938**



Part Number	Availability	Flow Rate Nl/min	Noise db (A)
2938 M5	✓	546	67
2938 1/8	✓	1441	75
2938 1/4	✓	2752	79
2938 3/8	✓	4735	73
2938 1/2	✓	8534	86

**Silencers Series 2939**



Part Number	Availability	Flow Rate Nl/min	Noise db (A)
2939 4	✓	335	80
2939 6	✓	632	79
2939 8	✓	1229	89
2939 10	✓	2650	87



Part Number	Availability
SP 1/8	✓
SP 1/4	✓
SP 3/8	✓
SP 1/2	✓








Part Number	Thread	Availability
SCO 604-1/8+2905	1/8	✓
SCO 606-1/4+2905	1/4	✓



Part Number	Availability	Flow Rate Nl/min
RSW 1/8	✓	410
RSW 1/4	✓	650
RSW 1/2	✓	1590

# Fieldbus and Multipole Systems

## 1 Valve Islands

	Page
 Series 3 <b>Plug-In Valve Islands, Multipole and Fieldbus</b>	177
 <b>New</b> Series D <b>Valve Islands, Multipole and Fieldbus</b>	178
 Series F <b>Valve islands, Multipole and Fieldbus</b>	185
 Series HN <b>Valve islands, Multipole and Fieldbus</b>	189
 <b>Connectors for Valve Islands</b>	195

# Series 3 Plug-In Valve Islands, Multipole and Fieldbus

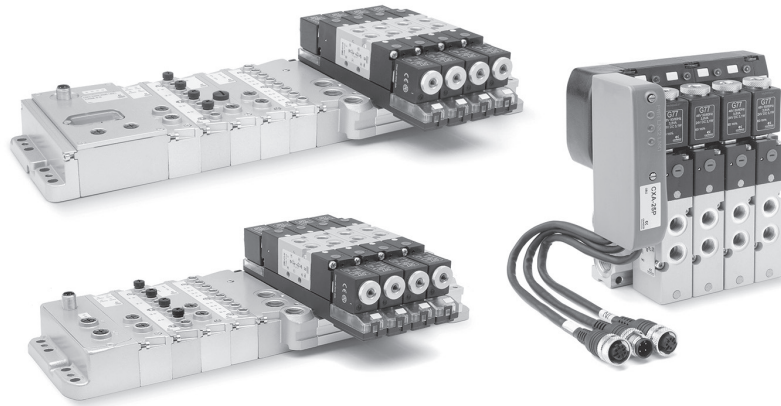
Plug-In system for Series 3 solenoid valves, G1/8 port.

Valve functions: 2x3/2, 5/2 and 5/3-way CO CC CP.

Multipole with a 25-pin Sub-D connector.

It can interface with all major serial communication protocols.

The Multipole version of Series 3 Plug-In valve island can be easily installed thanks to the front position of the Sub-D connector. The accessories of the new connection system to the Series CX serial nets enable to handle up a multipole valve island by means of a Sub-D connector or through a node integrated in the island. The modularity of the electric and pneumatic parts allows to install up to a maximum of 22 solenoids on 22 valve positions.



See full technical catalogue for additional information.

## GENERAL DATA

### PNEUMATIC SECTION

Valve construction	spool type with seals
Valve functions	5/2 - 5/3 CC - 5/3 CO - 5/3 CP - 2x3/2 NO - 2x3/2 NC - 1 3/2 NO + 1 3/2 NC
Materials	AL body, stainless steel spool, NBR seals, technopolymer
Mounting	through-out holes in the manifold
Ports	valve = G1/8 - manifold = G3/8
Installation	in any position
Operating temperature	from 0°C to 60°C (with dry air at -20°C)
Nominal flow rate	Qn 700 NL/min
Nominal diameter	7 mm
Fluid	Filtered air, class 7.4.4 according to ISO 8573-1-2010, without lubrication. If lubricated air is used, it is recommended to use ISO VG32 oil, and to never interrupt the lubrication.

### ELECTRICAL SECTION - MULTIPOLE VERSION

Max absorption	3 A
Type of connection	Multipole 25-pin male Sub-D
Supply voltage	24 V DC +/- 10%
Max number of solenoids	22 on 22 valve positions
Signalling	yellow LED
Duty cycle	ED 100%
Protection class	IP65

### ELECTRICAL SECTION - FIELDBUS VERSION

General characteristics	see the section about the Series CX multi-serial module (2.3.50)
Max absorption	digital outputs/analogic inputs and outputs 3A digital/analogic inputs 3 A
Voltage tolerances	logic supply 24 V DC +/- 10% power supply 24 V DC +/- 10%

**New**

# Series D Valve Islands, Multipole and Fieldbus

Multipole connection with 25 or 44 pins

Serial connection with the most common communication protocols

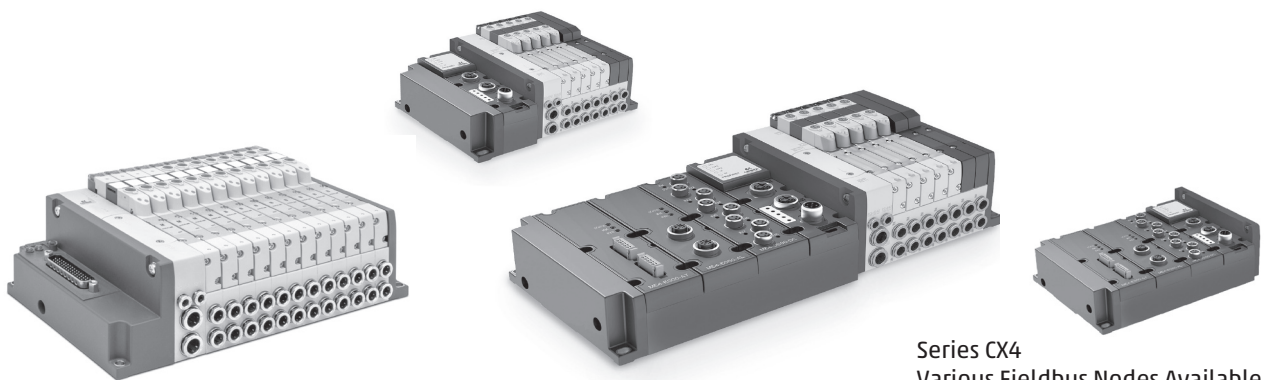
Valve function: 2x3/2, 5/2, 5/3 CC CO CP

Thanks to the large range of options available, the Series D valve island represent an excellent solution for different applications, particularly in automation systems.

Small dimensions, high flows, subbases with individual pneumatic and electric modules, an easy subbase connection system, integration of different sizes, constant diagnosis and monitoring of performance parameters make this series a particularly innovative product.

Manual, instruction sheet and configurator are available on the site <http://catalogue.camozzi.com> or by means of the QR code indicated on the product's label.

The Series D valve island is also equipped with CoilVision technology which can monitor and predict the wear and efficiency status of some parts of the solenoid valves. The detected data, alarms and health status can be viewed through different ways either by the blinking of the LEDs positioned on the module transmitted to a PLC or wireless IIoT Gateway and then on to the Cloud.

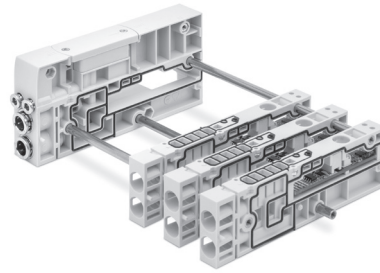
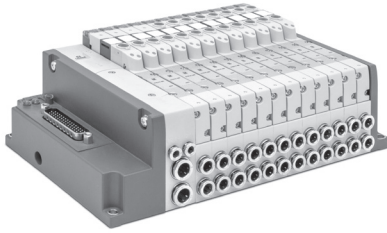


Series CX4  
Various Fieldbus Nodes Available  
(see full Technical Catalogue)

## GENERAL DATA

PNEUMATIC SECTION		
Valve construction	spool with seals	
Valve functions	5/2 monostable and bistable 5/3 CC - CP - CO 2 x 3/2 NC 2 x 3/2 NO 1 x 3/2 NC + 1 x 3/2 NO	
Materials	spool: AL spool seals: HNBR other seals: NBR	body: AL end caps: polymer subbase size 1: polymer subbase size 4: AL
Connections	Series D1: inlet 2 and 4, size 10.5 mm: tube Ø 4, tube Ø 6 supply 1: tube Ø 8 supply 12/14: tube Ø 4 exhaust 3 and 5: tube Ø 8 exhaust 82/84: tube Ø 4	Series D4: inlet 2 and 4, size 25 mm: 3/8 supply 1: 1/2 supply 12/14: 1/8 exhaust 3 and 5: 1/2 or intergrated silencer exhaust 82/84: 1/8
Temperature	0 ÷ 50°C	
Air characteristics	compressed, filtered and non-lubricated air in class 7.4.4 according to ISO 8573-1:2010. In case lubrication should be necessary, only use oils with a maximum viscosity of 32 Cst and the version with external servo-pilot supply. The air quality of the servo-pilot supply must be of class 7.4.4 according to ISO 8573-1:2010 (do not lubricate).	
Valve sizes	Series D1 = 10.5 mm	Series D4 = 25 mm
Operating pressure	-0.9 ÷ 10 bar	
Pilot pressure	2.5 ÷ 7 bar 4.5 ÷ 7 bar (with operating pressure exceeding 6 bar for the version 2x3/2)	
Flow rate	Series D1 = 250 Nl/min (10.5mm)	Series D4 = 2000 Nl/min (25mm)
Mounting position	any position	
Protection class	IP 65	
ELECTRICAL SECTION		
	Multipole Version	Fieldbus Version
Type of Sub-D connector	25 or 44 pins	
Max. absorption	0.8 A (with Sub-D connector 25 pins) 1 A (with Sub-D connector 44 pins)	2.5 A
Supply voltage	24 V DC +/- 10%	
Max. number of coils to operate	22 on 11 valve positions (with Sub-D connector 25 pins) 38 on 19 valve positions (with Sub-D connector 44 pins)	128 on 64 valve positions
Signalling LED	Multipole: green LED • presence of power red LED - anomaly Valve: yellow LED - presence of power blinking yellow LED - operating fault	

VERSIONS: MULTIPOLE VERSION



The multipole version can be connected quickly and safely through the connection cable with angled outlet of 25 or 44 pins to the electric Sub-D connector integrated in the island. The single modularity of the subbases allows to create islands with up to a maximum of 11 or 19 valve positions according to the type of connecting cable used.

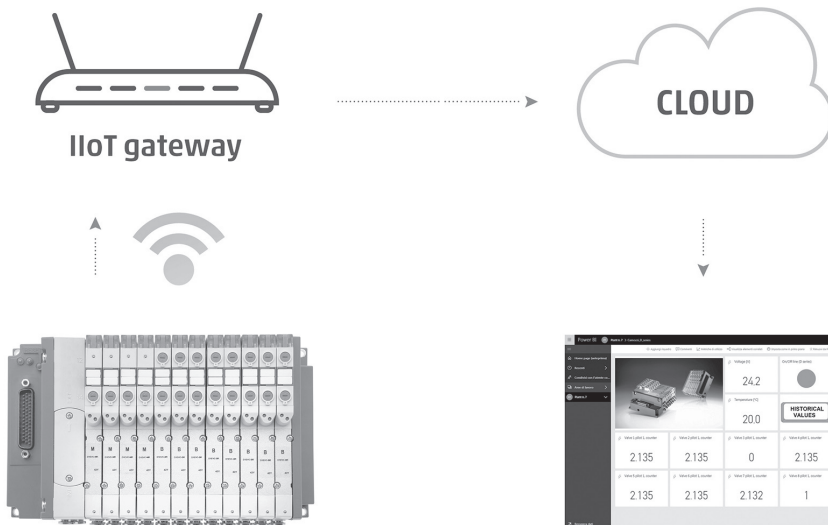
VERSIONS: FIELDBUS VERSION



The new CX4 fieldbus module integrated in the Series D valve island enables to interface with the most common fieldbus protocols. Besides managing the pneumatic part (the same as the Multipole version) different kinds of electric modules can be managed. With this configuration it is possible to enlarge the pneumatic part up

to a maximum of 64 valve positions with double command and the electric part up to 128 digital inputs, besides 16 analog inputs and 16 analog outputs. Besides the standard voltage and current versions, the analog modules are also available in 2-channel Bridge, RTD and TC versions.

COILVISION



This is a standard function in all our valve islands with Multipole and Serial connection. Its purpose is to monitor the proper function of each solenoid valve individually, particularly the solenoid. The electronics installed in the subbase allows to constantly monitor the efficiency of the driving coil of the solenoid valve. Possible variations with respect to the ideal operating conditions, like for example a higher power consumption, different response times or an increased temperature, are reported by means of a blinking yellow LED of the

interested solenoid. Besides the blinking of this LED, also a general red LED blinks located on the Sub-D module. These indications are combined with an alert message sent to the PLC. By selecting code W from the "Interface" menu, besides the described signals, it is possible to gather all operational data of the islands and send them through WLAN to the corporate net or onto the Cloud to be analysed.



**SERIES D1 CODING EXAMPLE - MULTIPOLE VERSION**

<b>DM</b>	<b>C</b>	<b>1</b>	<b>M</b>	<b>W</b>	<b>R</b>	<b>A</b>	-	<b>15R</b>	-	<b>4AQH4AX4B</b>	-	<b>3M2L3M2B2C</b>	-	<b>CS</b>	<b>R</b>
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<b>DM</b>	MODULAR ISLAND
<b>C</b>	VALVE C = VC Model
<b>1</b>	SIZE: 1 = 10.5 mm
<b>M</b>	ELECTRICAL CONNECTION: M = Multipole 25 pin PNP Q = Multipole 44 pin PNP
<b>W</b>	INTERFACE: O = without interface W = WLAN
<b>R</b>	MANUAL OVERRIDE: P = push button R = with push and turn device
<b>A</b>	SERVO-PILOT SUPPLY: A = internal B = external
<b>15R</b>	CONNECTOR: 0 = without connector CONNECTOR R WITH CABLE 03R = 3 mt 05R = 5 mt 10R = 10 mt 15R = 15 mt 20R = 20 mt 25R = 25 mt
<b>4AQH4AX4B</b>	SUBBASES: A = cartridge tube Ø4 B = cartridge tube Ø6  SUBBASE:* Q = diaphragm on channels 1, 3, 5 R = diaphragm on channel 1 S = diaphragm on channels 3 and 5  WITH DIAPHRAGM AND EXTERNAL SERVO-PILOT SUPPLY:* QT = diaphragm on channels 1, 3, 5; 12/14 external RT = diaphragm on channel 1; 12/14 external ST = diaphragm on channels 3, 5; 12/14 external  WITH DIAPHRAGM AND SILENCER:* QH = diaphragm on channels 1, 3, 5 RH = diaphragm on channel 1 SH = diaphragm on channels 3, 5  SUBBASE FOR ADDITIONAL FLOW :* X = supply (1) and exhausts (3, 5) XH = supply (1) and exhausts (3, 5) with silencer  INTERFACE SUBBASE FOR ADDITIONAL FLOW WITH EXTERNAL SERVO-PILOT SUPPLY:* XT = additional supply (1) and exhausts (3, 5)  * = These subbases are already provided with cartridges for tube Ø8
<b>3M2L3M2B2C</b>	VALVES: M = 5/2 monostable B = 5/2 bistable C = 2X3/2 NC A = 2 X 3/2 NO G = 2 X 3/2 (NC+NO) V = 5/3 CC K = 5/3 CO N = 5/3 CP L = free position
<b>CS</b>	TERMINALS AND PLATES: fittings on tube connection 1, 3, 5 C = cartridge Ø 8 CS = cartridge Ø 8 3,5 with silencers
<b>R</b>	FIXING TYPE: = direct R = DIN rail

FIELDBUS AND MULTIPOLE SYSTEMS



**SERIES D4 CODING EXAMPLE - MULTIPOLE VERSION**

<b>DM</b>	<b>C</b>	<b>4</b>	<b>M</b>	<b>W</b>	<b>R</b>	<b>A</b>	<b>-</b>	<b>03R</b>	<b>-</b>	<b>XHCDQ2DXHE</b>	<b>-</b>	<b>2MB2C</b>	<b>-</b>	<b>E</b>	<b>R</b>
-----------	----------	----------	----------	----------	----------	----------	----------	------------	----------	-------------------	----------	--------------	----------	----------	----------

<b>DM</b>	MODULAR ISLAND
<b>C</b>	VALVE C = VC Model
<b>4</b>	SIZE: 4 = 25 mm
<b>M</b>	ELECTRICAL CONNECTION: M = Multipole 25 pin PNP Q = Multipole 44 pin PNP
<b>W</b>	INTERFACE: O = without interface W = WLAN
<b>R</b>	MANUAL OVERRIDE: P = push button R = with push and turn device
<b>A</b>	SERVO-PILOT SUPPLY: A = internal B = external C = external with fitting (S6510 6-1/8) and threaded silencer (2931 1/8) D = internal with silencer
<b>03R</b>	CONNECTOR: 0 = without connector CONNECTOR R WITH CABLE 03R = 3 mt 05R = 5 mt 10R = 10 mt 15R = 15 mt 20R = 20 mt 25R = 25 mt
<b>XHCDQ2DXHE</b>	SUBBASES / SEALS: K = threaded subbase C = with fittings for tube Ø8 (S6510 8-3/8) D = with fittings for tube Ø10 (S6510 10-3/8) E = with fittings for tube Ø12 (S6510 12-3/8) F = with fittings for tube Ø14 (S6510 14-3/8)  SEALS: Q = diaphragm on channels 1, 3, 5 R = diaphragm on channel 1 S = diaphragm on channels 3 and 5  INITIAL SUBBASE/INTERMEDIATE:* X = supply (1) and exhausts (3, 5) XS = supply (1) and exhausts (3, 5) with threaded silencer (2931 1/2) XH = supply (1) and exhausts (3, 5) with silencer  * These subbases use the connection described in the Terminal Plates menu
<b>2MB2C</b>	VALVES: M = 5/2 monostable B = 5/2 bistable C = 2 X 3/2 NC A = 2 X 3/2 NO G = 2 X 3/2 (NC+NO) V = 5/3 CC K = 5/3 CO N = 5/3 CP L = free position
<b>E</b>	CONNECTIONS: fittings on tube connections 1, 3, 5  K = threaded 3/8 D = with fittings for tube Ø10 (S6510 10-1/2) E = with fittings for tube Ø12 (S6510 12-1/2) F = with fittings for tube Ø14 (S6510 14-1/2) G = with fittings for tube Ø16 (S6510 16-1/2)
<b>R</b>	FIXING TYPE: = direct R = DIN rail



Main



Section

**SERIES D1 CODING EXAMPLE - FIELD BUS VERSION**

<b>DM</b>	<b>C</b>	<b>1</b>	<b>01</b>	<b>W</b>	<b>R</b>	<b>A</b>	<b>-</b>	<b>2A2Q</b>	<b>-</b>	<b>2A2BQH4AX4B</b>	<b>-</b>	<b>3M2L3M2B2C</b>	<b>-</b>	<b>CS</b>	<b>R</b>
-----------	----------	----------	-----------	----------	----------	----------	----------	-------------	----------	--------------------	----------	-------------------	----------	-----------	----------

<b>DM</b>	MODULAR ISLAND
<b>C</b>	VALVE C = VC Model
<b>1</b>	SIZE: 1 = 10.5 mm
<b>01</b>	PROTOCOL: 01 = PROFIBUS      05 = Ethercat 03 = CANopen      06 = PROFINET 04 = Ethernet/IP   07 = IO-LINK
<b>W</b>	INTERFACE: O = without interface W = WLAN
<b>R</b>	MANUAL OVERRIDE: P = push button R = with push and turn device
<b>A</b>	SERVO-PILOT SUPPLY: A = internal B = external
<b>2A2Q</b>	INPUT AND OUTPUT MODULES: O = without A = 8 Digital inputs M8 B = 16 Digital inputs, terminal block connection C = 2 Analog inputs (config. 0-10V,±10V,0-20mA,4-20mA,±20mA) M12 D = 2 Analog inputs (config. 0-10V,±10V,0-20mA,4-20mA,±20mA), terminal block E = 2 Inputs, BRIDGE M12 F = 2 Inputs, BRIDGE, TERMINAL BLOCK CONNECTION  G = 2 Inputs, RTD M12 (PT100, PT200, PT500, PT1000) H = 2 Inputs, RTD TERMINAL BLOCK CONNECTION (PT100, PT200, PT500, PT1000) L = 2 Inputs, TC M12 (THERMOCOUPLES) M = 2 Inputs, TC TERMINAL BLOCK CONNECTION (THERMOCOUPLES) Q = 8 Digital outputs M8 R = 16 Digital outputs, terminal block connection
<b>2A2BOH4AX4B</b>	SUBBASES: A = cartridge tube Ø4 B = cartridge tube Ø6  SUBBASE* Q = diaphragm on channels 1, 3, 5 R = diaphragm on channel 1 S = diaphragm on channels 3 and 5  WITH DIAPHRAGM AND EXTERNAL SERVO-PILOT SUPPLY* QT = diaphragm on channels 1, 3 5; 12/14 external RT = diaphragm on channel 1; 12/14 external ST = diaphragm on channels 3, 5; 12/14 external  WITH DIAPHRAGM AND SILENCER* QH = diaphragm on channels 1, 3, 5 RH = diaphragm on channel 1 SH = diaphragm on channels 3, 5  SUBBASE FOR ADDITIONAL FLOW X = supply (1) and exhausts (3, 5)* XH = supply (1) and exhausts (3, 5) with silencer  INTERFACE SUBBASE FOR ADDITIONAL FLOW WITH EXTERNAL SERVO-PILOT SUPPLY XT = additional supply (1) and exhausts (3, 5) * = These subbases are already provided with cartridges for tube Ø8
<b>3M2L3M2B2C</b>	VALVES: M = 5/2 monostable      V = 5/3 CC B = 5/2 bistable          K = 5/3 CO C = 2X3/2 NC              N = 5/3 CP A = 2 X 3/2 NO            L = free position G = 2 X 3/2 (NC+NO)
<b>CS</b>	TERMINALS AND PLATES: fittings on tube connection 1, 3, 5 C = cartridge Ø 8 CS = cartridge Ø 8 3,5 with silencers
<b>R</b>	FIXING TYPE: = direct R = DIN rail

FIELD BUS AND MULTIPOLE SYSTEMS



Main

Section

**SERIES D4 CODING EXAMPLE - FIELDBUS VERSION**

<b>DM</b>	<b>C</b>	<b>4</b>	<b>01</b>	<b>W</b>	<b>R</b>	<b>A</b>	<b>-</b>	<b>2A2Q</b>	<b>-</b>	<b>XHCDQ2DXHE</b>	<b>-</b>	<b>2MB2C</b>	<b>-</b>	<b>E</b>	<b>R</b>
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<b>DM</b>	MODULAR ISLAND
<b>C</b>	VALVE C = VC Model
<b>4</b>	SIZE: 4 = 25 mm
<b>01</b>	PROTOCOL: 01 = PROFIBUS 03 = CANopen 04 = Ethernet/IP 05 = Ethercat 06 = PROFINET 07 = IO-LINK (cannot be configured with input and output modules)
<b>W</b>	INTERFACE: O = without interface W = WLAN
<b>R</b>	MANUAL OVERRIDE: P = push button R = with push and turn device
<b>A</b>	SERVO-PILOT SUPPLY: A = internal B = external C = external with fitting (S6510 6-1/8) and threaded silencer (2931 1/8) D = internal with silencer
<b>2A2Q</b>	INPUT AND OUTPUT MODULES: O = without A = 8 Digital inputs M8 B = 16 Digital inputs, terminal block connection (Push-in) C = 2 Analog inputs (config. 0-10V, ±10V, 0-20mA, 4-20mA, ±20mA) M12 D = 2 Analog inputs (config. 0-10V, ±10V, 0-20mA, 4-20mA, ±20mA), terminal block connection (Push-in) E = 2 Inputs, BRIDGE M12 F = 2 Inputs, BRIDGE, terminal block connection (Push-in) G = 2 Inputs, RTD M12 (PT100, PT200, PT500, PT1000) H = 2 Inputs, RTD terminal block connection (Push-in) (PT100, PT200, PT500, PT1000) L = 2 Inputs, TC M12 (THERMOCOUPLES) M = 2 Inputs, TC terminal block connection (Push-in) (THERMOCOUPLES) Q = 8 Digital outputs M8 R = 16 Digital outputs, terminal block connection (Push-in)
<b>XHCDQ2DXHE</b>	SUBBASES: K = threaded subbase C = with fittings for tube Ø8 (S6510 8-3/8) D = with fittings for tube Ø10 (S6510 10-3/8) E = with fittings for tube Ø12 (S6510 12-3/8) F = with fittings for tube Ø14 (S6510 14-3/8)  SEALS: Q = diaphragm on channels 1, 3, 5 R = diaphragm on channel 1 S = diaphragm on channels 3 and 5  INITIAL SUBBASE/INTERMEDIATE: * X = supply (1) and exhausts (3, 5) XS = supply (1) and exhausts (3, 5) with threaded silencer (2931 1/2) XH = supply (1) and exhausts (3, 5) with silencer  * These subbases use the connection described in the Terminal Plates menu
<b>2MB2C</b>	VALVES: M = 5/2 monostable B = 5/2 bistable C = 2 X 3/2 NC A = 2 X 3/2 NO G = 2 X 3/2 (NC+NO) V = 5/3 CC K = 5/3 CO N = 5/3 CP L = free position
<b>E</b>	TERMINAL PLATES CONNECTIONS: K = threaded G 3/8 D = with fittings for tube Ø10 (S6510 10-1/2) E = with fittings for tube Ø12 (S6510 12-1/2) F = with fittings for tube Ø14 (S6510 14-1/2) G = with fittings for tube Ø16 (S6510 16-1/2)
<b>R</b>	FIXING TYPE: = direct R = DIN rail



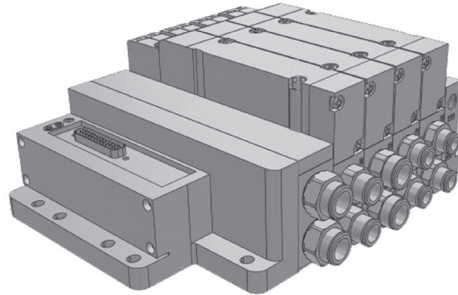
Main



Section

## CONFIGURATOR

The island configuration is of minimum three positions including the possible base for additional supply and/or exhaust. The maximum number of positions depends on the selected type of electrical connection.  
To correctly compose the commercial code and to download drawings, please use the configurator present at <http://catalogue.camozzi.com> in the sections "Configurators" or "Camozzi Partcommunity".

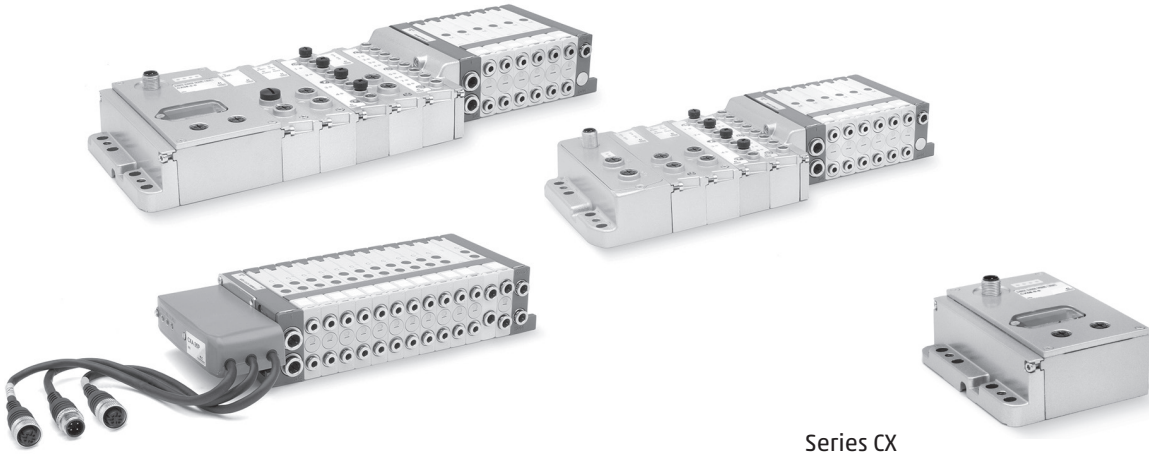


# Series F Valve Islands, Multipole and Fieldbus

Multipole integrated electrical connection (PNP)

Valve functions: 2x2/2, 2x3/2, 5/2, 5/3 CC

It can interface with all major serial communication protocols



Series CX  
Various Fieldbus Nodes Available  
(see full Technical Catalogue)

The Multipole version of Series F valve island can be easily integrated with the accessories of the new Series CX multiserial module, thus connecting to the different serial nets provided. It is also possible to manage a standard multipole island by means of a Sub-D adapter or through an integrated node in the island. The typical Series F single modularity allows the installation of up to 24 solenoids on 24 valve positions, even in the Fieldbus version. The use of technopolymer in this Series has allowed to realize a valve island which is characterized by small dimensions, high flow and reduced weight.

The reduced dimensions, its flexibility during the assembly as well as the wide range of valve functions make Series F a highly innovative product which is suitable for several application requirements. Manuals, instruction sheets and configuration files are available on the site <http://catalogue.camozzi.com> or by means of the QR code indicated on the label of the product.

## GENERAL DATA

PNEUMATIC SECTION	
Valve construction	spool with seals
Valve functions	5/2 monostable and bistable - 5/3 CC - 2x2/2 NO2x2/2 NC - 1x2/2 NC + 1x2/2 NO - 2x3/2 NO - 2x3/2 NC - 1x3/2 NC + 1x3/2 NO
Materials	aluminium spool, HNBR seals, other seals in NBR, brass cartridges, technopolymer body and end covers
Connections	Inlets 2 and 4, size 1 (12 mm) = tube Ø4; Ø6 Inlets 2 and 4, size 2 (14 mm) = tube Ø4; Ø6; Ø8 Supply 1, size 1 and 2 = tube Ø8; Ø10 Servo pilot 12/14, size 1 and 2 = tube Ø6 Exhausts 3/5, size 1 and 2 = tube Ø8; Ø10 Exhausts 82/84, size 1 and 2 = tube Ø6
Temperature	0 - 50°C
Air specifications	Filtered compressed air, non lubricated, class 6.4.4 according to ISO 8573-1:2010 standard. If lubrication is necessary, please use only oils with maximum viscosity of 32 Cst and the version with external servo-pilot supply. The servo-pilot supply air quality class must be 6.4.4 according to ISO 8573-1:2010 standard.
Valve sizes	12 mm - 14 mm
Working pressure	- 0.9 - 10 bar
Pilot pressure	3 - 7 bar - 4.5 - 7 bar (with working pressure exceeding 6 bar for the versions 2x2/2 and 2x3/2)
Flow rate	250 NI/min (12 mm) - 500 NI/min (14 mm)
Mounting position	any position
Duty cycle	ED 100%
Protection class (according to EN 60529)	IP40
ELECTRICAL SECTION - MULTIPOLE VERSION	
Supply voltage	24 V DC +/- 10%
Max number of solenoids	24
Max number of valve functions	24 (monostable)
Type of Sub-D connection	Sub-D 25 pin
Max absorption	0.8 A
ELECTRICAL SECTION - FIELDBUS VERSION	
General characteristics	see the section about the Series CX multi-serial module in the full catalogue
Max absorption	digital outputs / analogic outputs and inputs 3 A - digital/analogic inputs 3 A
Supply voltage	logic supply 24 V DC +/- 10% - power supply 24 V DC +/- 10%
Max number of operable coils	24 on 24 valve functions (monostable)

**CODING EXAMPLE - MULTIPOLE VERSION**

<b>F</b>	<b>P</b>	<b>Z</b>	<b>R</b>	<b>M</b>	<b>T</b>	<b>A</b>	<b>-</b>	<b>MB2CMUL2B</b>	<b>-</b>	<b>ZQR3SLQR</b>
<b>F</b>	SERIES: Series F					<b>MB2CMUL2B</b>  SOLENOID VALVES AND ADDITIONAL PLATES *: M = 5/2 monostable D = 5/2 monostable with bistable electric board B = 5/2 bistable C = 2x3/2 NC A = 2x3/2 NO G = 3/2 NC + 3/2 NO E = 2x2/2 NC F = 2x2/2 NO I = 2/2 NC + 2/2 NO V = 5/3 CCL = free position with passing electric board W = free position with bistable electric board Z = free position with monostable electric board X = supplementary supply and exhaust T = separated supply and exhaust U = separated supply, supplementary exhaust K = supplementary supply, separated exhaust				
<b>P</b>	TYPE: P = Pneumatic A = Accessories									
<b>Z</b>	Size: 1 = 12mm 2 = 14mm									
<b>R</b>	MANUAL OVERRIDE: P = Pressure Actuation Control R = Actuation Control with push & turn device									
<b>M</b>	ELECTRICAL CONNECTION: M = Multipole									
<b>T</b>	CARTRIDGES FOR LEFT TERMINAL: S = Tube Ø 8 T = Tube Ø 10  Note: the cartridges for the right terminal are for tube Ø 6.									
<b>A</b>	SERVO-PILOT SUPPLY: A = Internal B = External									
						<b>ZQR3SLQR</b>  CARTRIDGES FOR SOLENOID VALVES AND ADDITIONAL PLATES *: Q = tube Ø 4 R = tube Ø 6 S = tube Ø 8 (not for Size 1) L = free position (no cartridges) W = free position with bistable electric board (no cartridges) Z = free position with monostable electric board (no cartridges)				

\* In case of identical and consecutive codes, in the choices "SOLENOID VALVES AND ADDITIONAL PLATES" and "CARTRIDGES FOR SOLENOID VALVES AND ADDITIONAL PLATES", replace the letters with the number. With the choice "CARTRIDGES FOR SOLENOID VALVES AND ADDITIONAL PLATES" both of the following connections are defined: 2 and 4; 1 and 3/5. Examples: FP2RMTA-MBCCMULMMBB-QQRSSLRQR R FP2RMTA-MB2CMUL3M2B-ZQR2SL3RQ2R

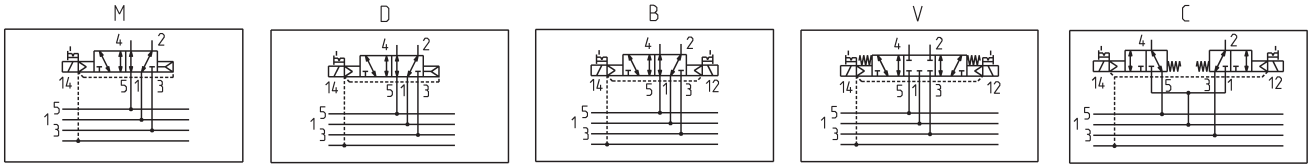
**CODING EXAMPLE - FIELDBUS VERSION**

<b>F</b>	<b>P</b>	<b>Z</b>	<b>R</b>	<b>01</b>	<b>T</b>	<b>A</b>	<b>-</b>	<b>ABCR</b>	<b>-</b>	<b>MB2CMUL2B</b>	<b>-</b>	<b>ZQR3SLQR</b>
<b>F</b>	SERIES: Series F					<b>ABCR</b> INPUT / OUTLET MODULES: 0 = no module A = 8 digital inputs M8 B = 4 digital inputs M8 C = 2 analog inputs 4-20 mA D = 2 analog inputs 0-10 V E = 1 analog input 4-20 mA + 1 input 0-10 V Q = 4 M12 duo digital outputs R = 2 analog outputs 4-20 mA T = 2 analog outputs 0-10 V U = 1 analog output 4-20 mA + 1 output 0-10 V V = 1 analog output 4-20 mA + 1 input 0-10 V Z = 1 analog output 4-20 mA + 1 input 4-20 mA K = 1 analog output 0-10 V + 1 input 0-10 V Y = 1 analog output 0-10 V + 1 input 4-20 mA S = Initial subnet module						
<b>P</b>	TYPE: P = Pneumatic A = Accessories											
<b>Z</b>	Size: 1 = 12mm 2 = 14mm											
<b>R</b>	MANUAL OVERRIDE: P = Pressure Actuation Control R = Actuation Control with push & turn device											
<b>01</b>	PROTOCOL: 01 = PROFIBUS-DP 02 = DeviceNet 03 = CANopen 04 = EtherNet/IP 05 = EtherCAT 06 = PROFINET 99 = Expansion Module											
<b>T</b>	CARTRIDGES FOR LEFT TERMINAL: S = Tube Ø 8 T = Tube Ø 10  Note: the cartridges for the right terminal are for tube Ø 6.											
<b>A</b>	SERVO-PILOT SUPPLY: A = Internal B = External											
						<b>MB2CMUL2B</b>  SOLENOID VALVES AND ADDITIONAL PLATES: M = 5/2 monostable D = 5/2 monostable with bistable electric board B = 5/2 bistable C = 2x3/2 NC A = 2x3/2 NO G = 3/2 NC + 3/2 NO E = 2x2/2 NC F = 2x2/2 NO I = 2/2 NC + 2/2 NO V = 5/3 CCL = free position with passing electric board W = free position with bistable electric board Z = free position with monostable electric board X = supplementary supply and exhaust T = separated supply and exhaust U = separated supply, supplementary exhaust K = supplementary supply, separated exhaust						
						<b>ZQR3SLQR</b>  CARTRIDGES FOR SOLENOID VALVES AND ADDITIONAL PLATES: Q = tube Ø 4 R = tube Ø 6 S = tube Ø 8 (not for Size 1) L = free position (no cartridges) W = free position with bistable electric board (no cartridges) Z = free position with monostable electric board (no cartridges)						

FIELDBUS AND MULTIPOLE SYSTEMS



AVAILABLE FUNCTIONS - SOLENOID VALVES SYMBOLS FOR FP..R - MANUAL OVERRIDE WITH PUSH&TURN DEVICE



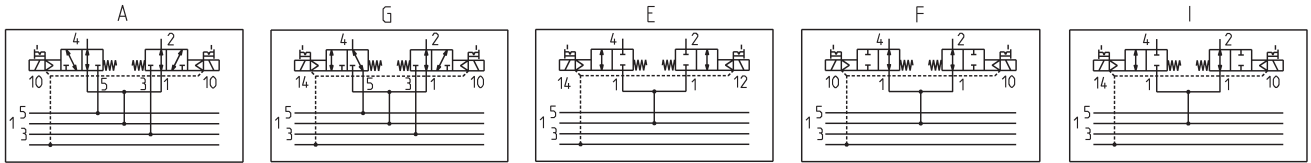
M = 5/2, monostable

D = 5/2, monostable with bistable board

B = 5/2, bistable

V = 5/3, Centres Closed

C = 2x3/2 NC



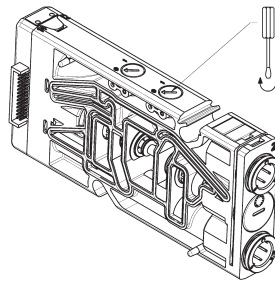
A = 2x3/2 NO

G = 1x3/2 NC + 1x3/2 NO

E = 2x2/2 NC

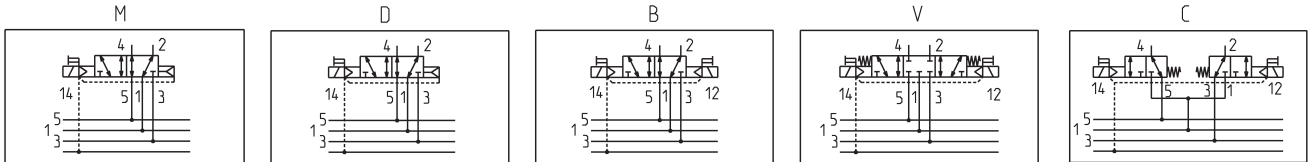
F = 2x2/2 NO

I = 1x2/2 NC + 1x2/2 NO



Manual override, version R :  
pressure actuation control with PUSH & TURN device.

AVAILABLE FUNCTIONS - SOLENOID VALVES SYMBOLS FOR FP..P - MANUAL OVERRIDE WITHOUT PUSH&TURN DEVICE



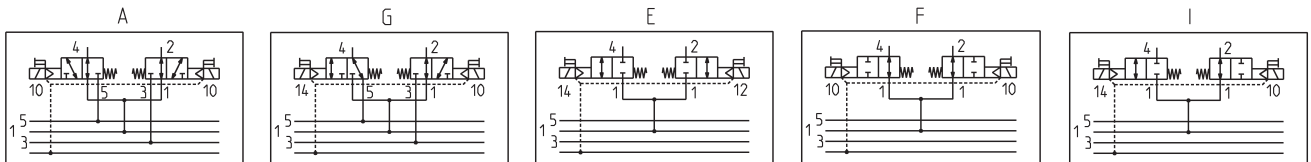
M = 5/2, monostable

D = 5/2, monostable with bistable board

B = 5/2, bistable

V = 5/3, Centres Closed

C = 2x3/2 NC



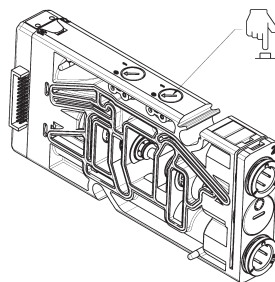
A = 2x3/2 NO

G = 1x3/2 NC + 1x3/2 NO

E = 2x2/2 NC

F = 2x2/2 NO

I = 1x2/2 NC + 1x2/2 NO



Manual override, version P :  
pressure actuation control without PUSH & TURN device (PUSH only).



Main



Section



**CODING EXAMPLES OF SINGLE VALVE (SPARE PART) AND TERMINALS (ACCESSORIES)**

CODING EXAMPLE OF A SINGLE SOLENOID VALVE		CODING EXAMPLE OF INTERMEDIATE PLATES	
<b>FP2V-MQR</b>		<b>FP2V-WQ</b>	
<b>F</b>	Series	<b>F</b>	Series
<b>P</b>	Type: P = pneumatic	<b>P</b>	Type: P = pneumatic
<b>2</b>	Size: 1 = 12 mm 2 = 14 mm	<b>2</b>	Size: 1 = 12 mm 2 = 14 mm
<b>V</b>	Solenoid valve or additional plate	<b>V</b>	Solenoid valve or additional plate
-		-	
<b>M</b>	Type of function: M = 5/2 monostable D = 5/2 monostable with bistable board B = 5/2 bistable C = 2 x 3/2 NC A = 2 x 3/2 NO G = 3/2 NC + 3/2 NO E = 2 x 2/2 NC F = 2 x 2/2 NO I = 2/2 NC + 2/2 NO V = 5/3 CC	<b>W</b>	Type of function: L = free position W = free position with bistable board Z = free position with monostable board X = supplementary power supply and exhaust T = separated power supply and exhaust U = separated power supply and supplementary exhaust K = supplementary power supply and separated exhaust
<b>Q</b>	Cartridges for solenoid valves: Q = Ø4 R = Ø6 S = Ø8 (not for Size 1)	<b>Q</b>	Cartridges for plates: Q = Ø4 R = Ø6 S = Ø8 (not for Size 1) L = free position (no cartridges) W = free position with bistable board (no cartridges) Z = free position with monostable board (no cartridges)
<b>R</b>	Type of manual override: R = push and turn (bistable) P = pressure (monostable)		
CODING EXAMPLE OF A LEFT TERMINAL		CODING EXAMPLE OF A RIGHT TERMINAL	
<b>FA2T-S</b>		<b>FA2T-AR</b>	
<b>F</b>	Series	<b>F</b>	Series
<b>A</b>	Accessory	<b>A</b>	Accessory
<b>2</b>	Size: 1 = 12 mm 2 = 14 mm	<b>2</b>	Size: 1 = 12 mm 2 = 14 mm
<b>T</b>	Type of accessory: T = terminal	<b>T</b>	Type of accessory: T = terminal
-		-	
<b>S</b>	Cartridges: = no cartridge S = Ø8 T = Ø10	<b>A</b>	Type of servo-pilot: A = internal B = external
		<b>R</b>	Cartridges: R = Ø6

FIELDBUS AND MULTIPOLE SYSTEMS

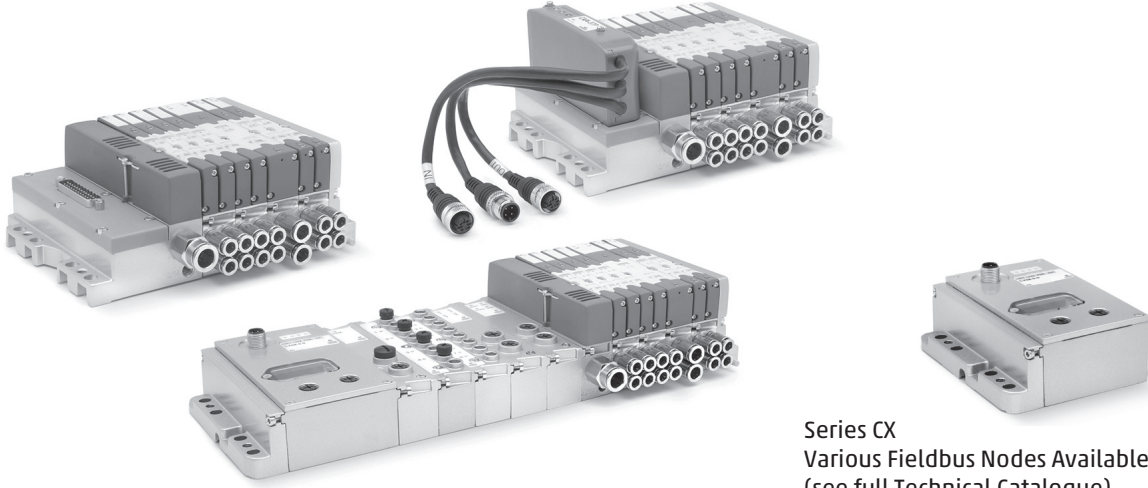


# Series HN Valve Islands, Multipole and Fieldbus

Multipole connection with 25 or 37 pins

Serial connection with the most common communication protocols

Valve functions: 2x2/2; 2x3/2; 5/2; 5/3 CC



Series CX  
Various Fieldbus Nodes Available  
(see full Technical Catalogue)

FIELDBUS AND MULTIPOLE SYSTEMS



Thanks to the large range of options available, the Series HN valve islands represent an excellent solution for different applications, particularly in automation systems. Small dimensions, high flow, pneumatic and electric modularity, electric connections on boards, possibility to interface with the multi-serial node Series CX, optimization of the signal

distribution thanks to subbases for monostable and bistable solenoid valves are only some of the features that make this series a particularly innovative product. Manuals, instruction sheets and configuration files are available on the site <http://catalogue.camozzi.com> or by means of the QR code indicated on the label of the product.

## GENERAL DATA

PNEUMATIC SECTION	
Valve construction	spool type with seals
Valve functions	5/2 monostable and bistable - 5/3 CC - 2 x 2/2 NO - 2 x 2/2 NC - 1 x 2/2 NC+ 1 x NO - 2 x 3/2 NC - 2 x 3/2 NO 1 x 3/2 NC+ 1 x 3/2 NO
Materials	spool in aluminium, spool seals in HNBR, other seals in NBR, cartridges in brass, body and end covers in technopolymer, subbases in aluminium
Connections	Inlets 2 and 4, size 10.5 mm: M7, tube ø 4, tube ø 6, tube ø 8 Inlets 2 and 4, size 21 mm: 1/4, tube ø 10 Supply 1: 1/4, tube ø 8, tube ø 10 Supply 12/14: M7 Exhausts 3 and 5: 1/4 or with integrated silencer Exhausts 82/84: M7
Temperature	0 - 50°C
Air specifications	Filtered compressed air, non lubricated, class 6.4.4 according to ISO 8573-1:2010. If lubrication is necessary, please only use oils with maximum viscosity of 32 Cst and the version with external servo-pilot supply. The servo-pilot supply air quality class must be 6.4.4 according to ISO 8573-1:2010 (do not lubricate).
Valve sizes	10.5mm (2 valves for each subbase) - 21mm (1 valve for each subbase)
Working pressure	- 0.9 - 10 bar
Pilot pressure	3 - 7 bar - 4.5 - 7 bar (with working pressure exceeding 6 bar for the versions 2x2/2 and 2x3/2)
Flow rate	400 NL/min (10.5 mm) - 850 NL/min (21 mm)
Mounting position	any position
Protection class	IP 65
ELECTRICAL SECTION - MULTIPOLE VERSION	
Type of Sub-D connector	25 or 37 pins
Max. absorption	0.8 A (with Sub-D connector 25 pins) - 1 A (with Sub-D connector 37 pins)
Supply voltage	24 V DC +/- 10%
Max. number of coils to operate	24 on 20 valve positions (with Sub-D connector 25 pins) - 32 on 28 valve positions (with Sub-D connector 37 pins)
Valve signalling	yellow led
ELECTRICAL SECTION - FIELDBUS VERSION	
General data	see the section about the Series CX multi-serial module in the full catalogue
Max absorption	digital outputs / analog outputs and inputs 3A - digital/analog inputs 3A
Supply voltage	logic supply 24 V DC +/- 10% - power supply 24 V DC +/- 10%
Max. number of coils to operate	32 on 28 valve positions

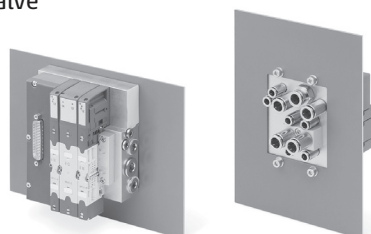
**CODING EXAMPLE - MULTIPOLE VERSION**

<b>HN</b>	<b>5</b>	<b>M</b>	<b>-</b>	<b>03A</b>	<b>-</b>	<b>2Q4AZ2A</b>	<b>-</b>	<b>2B8M4C</b>	<b>-</b>	<b>A</b>
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<b>HN</b>	SERIES														
<b>5</b>	SIZE: 1 = 10,5 2 = 21 5 = Mixed														
<b>M</b>	ELECTRICAL CONNECTION: M = Multipole 25 pin PNP N = Multipole 25 pin NPN					H = Multipole 37 pin PNP L = Multipole 37 pin NPN									
<b>03A</b>	CONNECTION: 000 = without connector/cable					CONNECTOR WITH CABLE AXIAL OUTPUT: 03A = 3m 05A = 5m 10A = 10m 15A = 15m 20A = 20m 25A = 25m					CONNECTOR WITHOUT CABLE: 4XA = 25 pins axial 4XR = 25 pins radial 9XA = 37 pins axial 9XR = 37 pins radial				
<b>2Q4AZ2A</b>	SUBBASES FOR 2 SOLENOID VALVES SIZE 1 (*): A (AZ) = M7 threads B (BZ) = 4 fittings for tube Ø4 C (CZ) = 4 fittings for tube Ø6 D (DZ) = channel 1, 3, 5 closed; M7 threads E (EZ) = channel 1, 3, 5 closed; cartridges tube Ø4 F (FZ) = channel 1, 3, 5 closed; cartridges tube Ø6 G (GZ) = channel 3, 5 closed; M7 threads H (HZ) = channel 3, 5 closed; cartridges tube Ø4 I (IZ) = channel 3, 5 closed; cartridges tube Ø6 L (LZ) = channel 1 closed; M7 threads M (MZ) = channel 1 closed; cartridges tube Ø4 N (NZ) = channel 1 closed; cartridges tube Ø6  (*) Subbases with "Z" at the end of their code are used with monostable solenoid valves					FOR SOLENOID VALVES SIZE 2: Q = G 1/8 threads R = cartridges for tube Ø6 S = cartridges for tube Ø8 P = 1/4 threads J = fittings for tube Ø10					SUBBASES FOR PNEUMATIC SUPPLY: X = supplementary supply and exhaust Y = supplementary supply and exhaust with integrated silencer W = supply from the exhausts  FOR ELECTRICAL SUPPLY: K = separation of electrical supply  SEALS: T = diaphragm on channels 1, 3, 5 U = diaphragm on channel 1 V = diaphragm on channels 3, 5				
<b>2B8M4C</b>	SOLENOID VALVES Size 1 and 2: 0 = island without solenoid valves M = 5/2 Monostable B = 5/2 Bistable V = 5/3 Centres Closed C = 2 x 3/2 NC A = 2 x 3/2 NO G = 1 x 3/2 NC + 1 x 3/2 NO E = 2 x 2/2 NC F = 2 x 2/2 NO I = 1 x 2/2 NC + 1 x 2/2 NO L = free position					SOLENOID VALVE + PRESSURE REGULATOR on channel 1 (size 2 only): N = 5/2 Monostable P = 5/2 Bistable Q = 5/3 Centres Closed R = 2 x 3/2 NC S = 2 x 3/2 NO T = 1 x 3/2 NC + 1 x 3/2 NO U = 2 x 2/2 NC X = 2 x 2/2 NO Y = 1 x 2/2 NC + 1 x 2/2 NO									
<b>A</b>	THREADED TERMINAL PLATES: A = 1, 12/14 in common 3/5, 82/84 threaded ports B = 1, 12/14 separated 3/5, 82/84 threaded ports C = 1, 12/14 in common 3/5, 82/84 with integrated silencer D = 1, 12/14 separated 3/5, 82/84 with integrated silencer					TERMINAL PLATES with FITTINGS FOR TUBE Ø 8 on PORT 1: E = 1, 12/14 in common 3/5, 82/84 conveyable F = 1, 12/14 separated 3/5, 82/84 conveyable G = 1, 12/14 in common 3/5, 82/84 with integrated silencer H = 1, 12/14 separated 3/5, 82/84 with integrated silencer					TERMINAL PLATES with FITTINGS FOR TUBE Ø 10 on PORT 1: I = 1, 12/14 in common 3/5, 82/84 conveyable L = 1, 12/14 separated 3/5, 82/84 conveyable M = 1, 12/14 in common 3/5, 82/84 with integrated silencer N = 1, 12/14 separated 3/5, 82/84 with integrated silencer				

In presence of identical consequent codes both for the subbases as for the valves you need to substitute the letter with the number.  
 Ex: HN5M-03A-ABCS-MMCCBBB-A is converted to HN5M-03A-ABCS-2M2C3B-A.

Also available in Series HC Valve  
 Island cabinet versions



**New**

FIELDBUS AND MULTIPOLE SYSTEMS



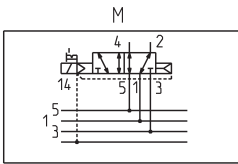
**CODING EXAMPLE - FIELDBUS VERSION**

<b>HN</b>	<b>5</b>	<b>01</b>	<b>-</b>	<b>ABCD</b>	<b>-</b>	<b>2Q4AZ2A</b>	<b>-</b>	<b>2B8M4C</b>	<b>-</b>	<b>A</b>
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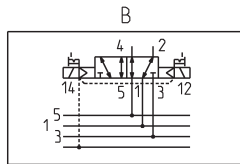
<b>HN</b>	SERIES		
<b>5</b>	SIZE: 1 = 10,5 2 = 21 5 = Mixed		
<b>01</b>	PROTOCOL: 01 = PROFIBUS-DP 02 = DeviceNet 03 = CANopen 04 = EtherNet/IP 05 = EtherCAT 06 = PROFINET 99 = Expansion module		
<b>ABCD</b>	INPUT / OUTPUT MODULES: 0 = no module	INPUT / OUTPUT MODULES: A = 8 Digital Inputs M8 B = 4 Digital Inputs M8 C = 2 Analog Inputs 4-20mA D = 2 Analog Inputs 0-10V E = 1 Analog Input 4-20mA + 1 Input 0-10V Q = 4 Digital Outputs M12 duo R = 2 Analog Outputs 4-20mA T = 2 Analog Outputs 0-10V U = 1 Analog Output 4-20mA + 1 Output 0-10V V = 1 Analog Output 4-20mA + 1 Input 0-10V Z = 1 Analog Output 4-20mA + 1 Input 4-20mA K = 1 Analog Output 0-10V + 1 Input 0-10V Y = 1 Analog Output 0-10V + 1 Input 4-20mA	INPUT / OUTPUT MODULES: S = Initial subnet module
<b>2Q4AZ2A</b>	SUBBASES FOR 2 SOLENOID VALVES SIZE 1 (*): A (AZ) = M7 threads B (BZ) = 4 fittings for tube Ø4 C (CZ) = 4 fittings for tube Ø6 D (DZ) = channel 1, 3, 5 closed; M7 threads E (EZ) = channel 1, 3, 5 closed; cartridges tube Ø4 F (FZ) = channel 1, 3, 5 closed; cartridges tube Ø6 G (GZ) = channel 3, 5 closed; M7 threads H (HZ) = channel 3, 5 closed; cartridges tube Ø4 I (IZ) = channel 3, 5 closed; cartridges tube Ø6 L (LZ) = channel 1 closed; M7 threads M (MZ) = channel 1 closed; cartridges tube Ø4 N (NZ) = channel 1 closed; cartridges tube Ø6  (*): Subbases with "Z" at the end of their code are used with monostable solenoid valves	FOR SOLENOID VALVES SIZE 2: Q = G 1/8 threads R = cartridges for tube Ø6 S = cartridges for tube Ø8 P = 1/4 threads J = fittings for tube Ø10	SUBBASES FOR PNEUMATIC SUPPLY: X = supplementary supply and exhaust Y = supplementary supply and exhaust with integrated silencer W = supply from the exhausts  FOR ELECTRICAL SUPPLY: K = separation of electrical supply  SEALS: T = diaphragm on channels 1, 3, 5 U = diaphragm seal on channel 1 V = diaphragm seal on channels 3, 5
<b>2B8M4C</b>	SOLENOID VALVES Size 1 and 2: 0 = island without solenoid valves M = 5/2 Monostable B = 5/2 Bistable V = 5/3 Centres Closed C = 2 x 3/2 NC A = 2 x 3/2 NO G = 1 x 3/2 NC + 1 x 3/2 NO E = 2 x 2/2 NC F = 2 x 2/2 NO I = 1 x 2/2 NC + 1 x 2/2 NO L = free position	SOLENOID VALVE + PRESSURE REGULATOR on channel 1 (size 2 only): N = 5/2 Monostable P = 5/2 Bistable Q = 5/3 Centres Closed R = 2 x 3/2 NC S = 2 x 3/2 NO T = 1 x 3/2 NC + 1 x 3/2 NO U = 2 x 2/2 NC X = 2 x 2/2 NO Y = 1 x 2/2 NC + 1 x 2/2 NO	
<b>A</b>	THREADED TERMINAL PLATES: A = 1, 12/14 in common 3/5, 82/84 threaded ports B = 1, 12/14 separated 3/5, 82/84 threaded ports C = 1, 12/14 in common 3/5, 82/84 with integrated silencer D = 1, 12/14 separated 3/5, 82/84 with integrated silencer	TERMINAL PLATES with CARTRIDGES Ø 8: E = 1, 12/14 in common 3/5, 82/84 conveyable F = 1, 12/14 separated 3/5, 82/84 conveyable G = 1, 12/14 in common 3/5, 82/84 with integrated silencer H = 1, 12/14 separated 3/5, 82/84 with integrated silencer	TERMINAL PLATES with CARTRIDGES Ø 10: I = 1, 12/14 in common 3/5, 82/84 conveyable L = 1, 12/14 separated 3/5, 82/84 conveyable M = 1, 12/14 in common 3/5, 82/84 with integrated silencer N = 1, 12/14 separated 3/5, 82/84 with integrated silencer

X, Y and K sub-bases will be equipped with threads or cartridges of the same size of port 1, see the choice "Type of terminal plates". In presence of identical consequent codes both for sub-bases and for valves, you need to substitute the letter with the number.  
 Ex: HN501-ABCD-ABCS-MMCCBBB-A is converted to HN501- ABCD-ABCS-2M2C3B-A.

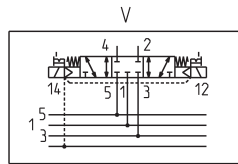
AVAILABLE FUNCTION - SYMBOLS FOR SOLENOID VALVES



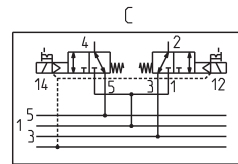
M = 5/2-way, Monostable



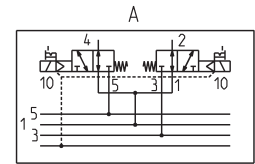
B = 5/2-way, Bistable



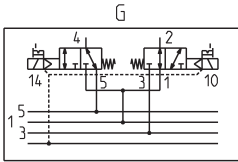
V = 5/3-way Centres Closed



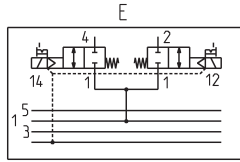
C = 2 x 3/2-way NC



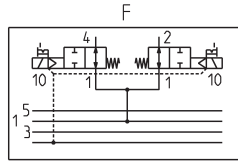
A = 2 x 3/2-way NO



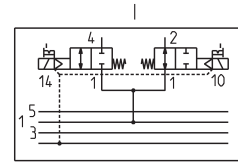
G = 1 x 3/2-way NC +  
1 x 3/2-way NO



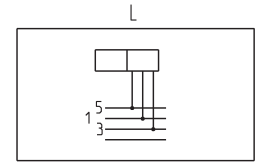
E = 2 x 2/2-way NC



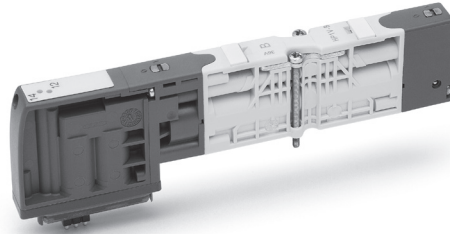
F = 2 x 2/2-way NO



I = 1 x 2/2-way NC +  
1 x 2/2-way NO



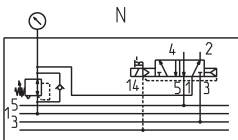
L = free position



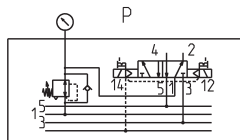
FIELDBUS AND MULTIPOLE SYSTEMS



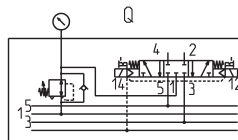
AVAILABLE FUNCTIONS - SYMBOLS FOR SOLENOID VALVES WITH PRESSURE REGULATOR



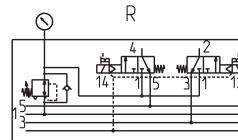
N = 5/2-way, Monostable



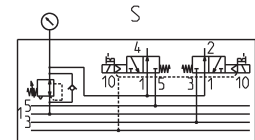
P = 5/2-way, Bistable



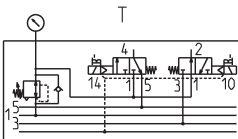
Q = 5/3-way Centres Closed



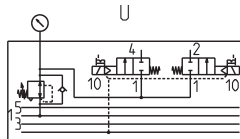
R = 2 x 3/2-way NC



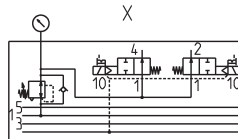
S = 2 x 3/2-way NO



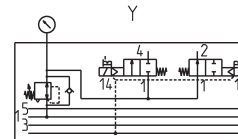
T = 1 x 3/2-way NC +  
1 x 3/2-way NO



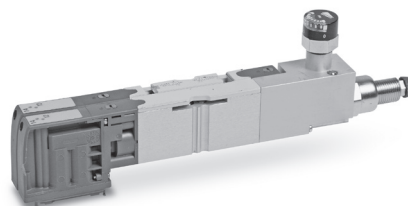
U = 2 x 2/2-way NC



X = 2 x 2/2-way NO



Y = 1 x 2/2-way NC +  
1 x 2/2-way NO

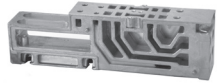


It can be assembled on subbase size 21 only.

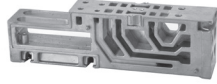
AVAILABLE FUNCTIONS - SUBBASE TYPES



Through-subbase s. 10.5  
A=M7, B=Ø4, C=Ø6 [\*]



Diaphragm lines 1, 3 5  
D=M7, E=Ø4, F=Ø6 [\*]



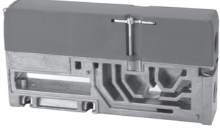
Diaphragm line 1  
L=M7, M=Ø4, N=Ø6 [\*]



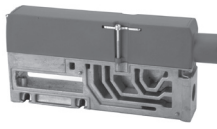
Diaphragm lines 3, 5  
G=M7, H=Ø4, I=Ø6 [\*]



Through-subbase s. 21  
Q = 1/8, R = Ø6, S = Ø8



X = supplementary supply and exhaust



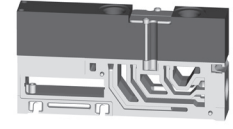
K = interm. plate to sep. elec. and suppl. supply



Y = suppl. supply + exhaust with silencer



Z = electro-pneum. interface for HP...F/G/R



W = plate for supply from exhausts



U = Diaphragm seal - Line 1



V = Diaphragm seal - Lines 3, 5

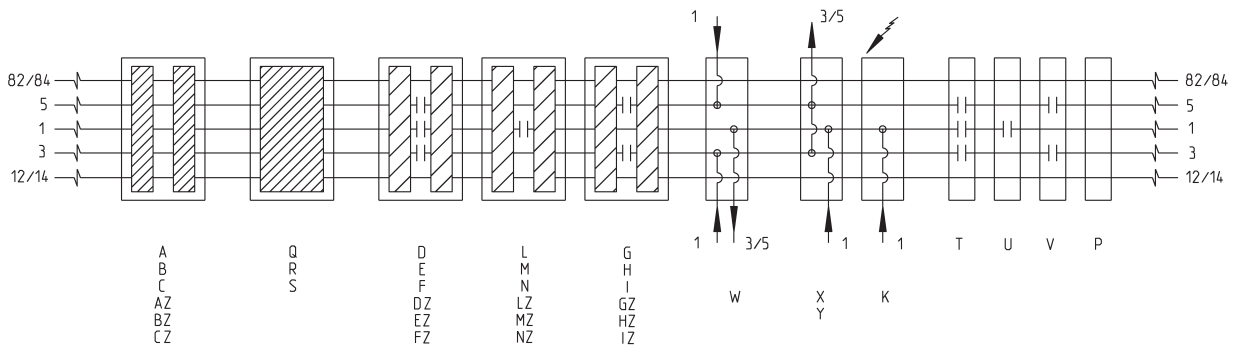


P = Through seal



T = Diaphragm seal - Lines 1, 3, 5

FIELDBUS AND MULTIPOLE SYSTEMS



[\*] The subbases A, B, C, D, E, F, G, H, I, L, M, N are available also with a board to be used with monostable solenoid valves. To order this version it is necessary to add Z at the end of the code of the standard subbase. Example: AZ instead of A. For further details we suggest you to see the coding example.

**CODING EXAMPLE OF MULTIPOLE AND FIELDBUS INTERFACES - ACCESSORIES**

<b>HN</b>	<b>A</b>	<b>0</b>	<b>M</b>	<b>-</b>	<b>A</b>
-----------	----------	----------	----------	----------	----------

<b>HN</b>	SERIES				
<b>A</b>	TYPE: A = Accessory				
<b>0</b>	SIZE: 0 = not defined				
<b>M</b>	ELECTRICAL CONNECTION: M = 25 pin PNP Multipole N = 25 pin NPN Multipole H = 37 pin PNP Multipole		L = 37 pin NPN Multipole I = HN interface with Series CX		
<b>A</b>	TERMINALS: A = 1, 12/14 in common - 3/5, 82/84 with thread B = 1, 12/14 separated - 3/5, 82/84 with thread		C = 1, 12/14 in common - 3/5, 82/84 with silencer D = 1, 12/14 separated - 3/5, 82/84 with silencer		
NOTE: The Right Terminal is supplied with seals and fixing screws and available as accessory with the commercial code HA0T-H					

Detailed descriptions of the available accessories can be found in the valve island catalogue

**CODING EXAMPLE OF SINGLE VALVE (SPARE PART)**

<b>H</b>	<b>P</b>	<b>1</b>	<b>V</b>	<b>-</b>	<b>M</b>
----------	----------	----------	----------	----------	----------

<b>H</b>	SERIES				
<b>P</b>	TYPE: P = pneumatic				
<b>1</b>	SIZE: 1 = 10.5 2 = 21				
<b>V</b>	TYPE OF ACCESSORY: V = Solenoid valve				
<b>M</b>	SOLENOID VALVE: M = 5/2 Monostable B = 5/2 Bistable V = 5/3 Centres Closed C = 2 x 3/2 NC A = 2 x 3/2 NO G = 1 x 3/2 NC + 1 x 3/2 NO E = 2 x 2/2 NC F = 2 x 2/2 NO I = 1 x 2/2 NC + 1 x 2/2 NO L = free position		SOLENOID VALVE + REGULATOR + SUBBASE N = 5/2 Monostable P = 5/2 Bistable Q = 5/3 Centres Closed R = 2 x 3/2 NC S = 2 x 3/2 NO T = 1 x 3/2 NC + 1 x 3/2 NO U = 2 x 2/2 NC X = 2 x 2/2 NO Y = 1 x 2/2 NC + 1 x 2/2 NO		

Detailed descriptions of the available accessories can be found in the valve island catalogue

**CODING EXAMPLE OF SUBBASES - ACCESSORIES**

<b>H</b>	<b>A</b>	<b>1</b>	<b>R</b>	<b>-</b>	<b>A</b>
----------	----------	----------	----------	----------	----------

<b>H</b>	SERIES				
<b>A</b>	TYPE: A = accessories				
<b>1</b>	SIZE: 0 = for X-Y-K-T-U-V-Z 1 = 10.5		2 = 21		
<b>R</b>	TYPE OF ACCESSORY: R = subbase for multipole connection G = seal		W = subbase without electronic board (option valid only for position 2a) See the components list in the valve island catalogue		
<b>A</b>	SUBBASE: A = through - M7 threads AZ = through - M7 threads, monostable D = channel 1, 3, 5 closed - M7 threads DZ = channel 1, 3, 5 closed - M7 threads, monostable G = channel 3, 5 closed - M7 threads GZ = channel 3, 5 closed - M7 threads, monostable Q = through - G1/8 threads X = supplementary supply and exhaust Y = supplementary supply and exhaust with integrated silencer W = supply from the exhausts K = separation of electrical supply and supplementary pneumatic supply		SEAL: T = diaphragm seal for the closure of channels 1, 3, 5 U = diaphragm seal for the closure of channel 1 V = diaphragm seal for the closure of channels 3, 5 P = through		

NOTE: subbases are always supplied without connection fittings

Detailed descriptions of the available accessories can be found in the components list on the valve island catalogue



Main



Section

# Connectors for Valve Islands

For full range please see full catalogue or visit [catalogue.camozzi.com](http://catalogue.camozzi.com)

Straight Sub-D 25 pin female connector with axial cable for Series 3 Plug-In and Series F



Part Number	PIN	Cable Length (m)
G3X-3	16	3
G3X-5	16	5
G3X-10	16	10
G3X-15	16	15
G3X-20	16	20
G3X-25	16	25
G4X-3	25	3
G4X-5	25	5
G4X-10	25	10
G4X-15	25	15
G4X-20	25	20
G4X-25	25	25

Right Angular Sub-D 25 pin female connector with axial cable for Series 3 Plug-In and Series F



Part Number	PIN	Cable Length (m)
G3X1-3	16	3
G3X1-5	16	5
G3X1-10	16	10
G3X1-15	16	15
G3X1-20	16	20
G3X1-25	16	25
G4X1-3	25	3
G4X1-5	25	5
G4X1-10	25	10
G4X1-15	25	15
G4X1-20	25	20
G4X1-25	25	25

Mounting brackets for DIN rail Series 3 Fieldbus, D, F, H and CX2  
The following is supplied:  
2x plates,  
2x screws



Part Number
PCF-E520

Right Angular Sub-D female connector 25-44 pins for Series D



Part Number	PIN	Cable Length (m)
G25X1-3	25	3
G25X1-5	25	5
G3X1-10	25	10
G25X1-15	25	15
G25X1-20	25	20
G25X1-25	25	25
G44X1-3	44	3
G44X1-5	44	5
G44X1-10	44	10
G44X1-15	44	15
G44X1-20	44	20
G44X1-25	44	25

FIELDBUS AND MULTIPOLE SYSTEMS



Identification Plates for series D.  
The packaging contains 45 identification plates 9x5mm



Part Number
HP1/E

Straight Sub-D37 pin female connector with axial cable for Series HN



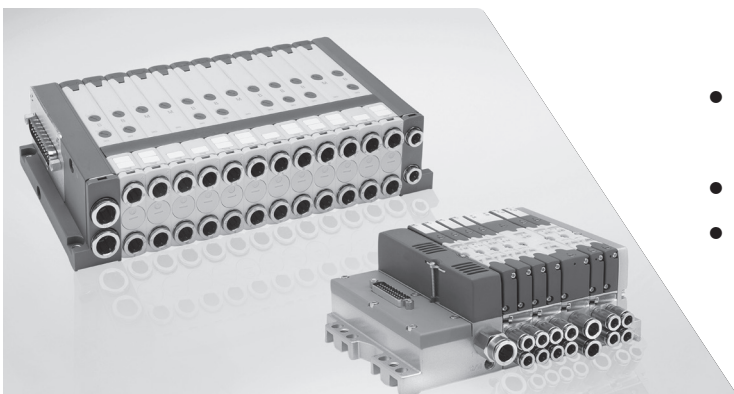
Part Number	PIN	Cable Length (m)
G9X-3	37	3
G9X-5	37	5
G9X-10	37	10
G9X-15	37	15
G9X-20	37	20
G9X-25	37	25

Right Angular Sub-D 37 pin female connector with radial cable for Series HN



Part Number	PIN	Cable Length (m)
G9X1-3	37	3
G9X1-5	37	5
G9X1-10	37	10
G9X1-15	37	15
G9X1-20	37	20
G9X1-25	37	25

## UK Assembled Multipole Valve Islands



- Series HN (37 Pin, 32 Coils or 25 Pin, 24 Coils)
- Series F (25 Pin, 24 Coils)
- Next Day Delivery







# Proportional Technology

## 1 Proportional Valves

	<b>Page</b>
 <p>Series LR <b>Digital Proportional Servo Valves</b></p>	197

## 2 Proportional Regulators

	<b>Page</b>
 <p>Series K8P <b>Electronic Proportional Micro Regulator</b></p>	198
 <p>Series MX-PRO <b>Proportional Pressure Regulator And Flow Valve</b></p>	199
 <p>Series ER100 <b>Digital Electro-Pneumatic Regulators</b></p>	200
 <p>Series ER200 <b>Digital Electro-Pneumatic Regulators</b></p>	200

# Series LR Digital Proportional Servo Valves

3/3-way directly operated servo valves for the flow (LRWD2), pressure (LRPD2) and position (LRXD2) control



**Technical Data**

**Power Supply**

24 VDC +/- 10%, max absorption 1.5 A

**Command Signal**

+/- 10 V

0-10 V

4-20 mA

**Supply Pressure**

-0.9 to 10 bar

Full Data Sheet and Dimensions at <https://store.camozzi.co.uk>

PROPORTIONAL TECHNOLOGY

**CODING EXAMPLE**

L	R	W	D	2	-	3	4	-	1	-	A	-	00
---	---	---	---	---	---	---	---	---	---	---	---	---	----

<b>L</b>	SERIES: L = proportional servo valves	
<b>R</b>	TECHNOLOGY: R = rotating spool	
<b>W</b>	VERSION: W = flow control P = pressure control X = position control	
<b>D</b>	ELECTRONICS: D = digital	
<b>2</b>	MODEL: 2 = compact DIN-RAIL	
<b>3</b>	FUNCTION: 3 = 3/3-way	
<b>4</b>	NOMINAL DIAMETER: 4 = 4 mm 6 = 6 mm	
<b>1</b>	COMMAND SIGNAL (Setpoint): 1 = +/- 10 V 2 = 0 - 10 V 5 = 4 - 20 mA	
<b>A</b>	INPUT SIGNAL: 2 = 0 - 10 V (LRPD2 and LRXD2 only) 4 = 0 - 5V (LRPD2 and LRXD2 only) 5 = 4 - 20mA (LRPD2 and LRXD2 only)	A = internal encoder (LRWD2 only) B = 1 bar (internal sensor - LRPD2 only) D = 10 bar (internal sensor - LRPD2 only) E = 250 mbar (internal sensor - LRPD2 only) F = +/-1 bar (internal sensor - LRPD2 only)
<b>00</b>	CABLE: 00 = no cable	2F = straight cable of 2 m 2R = 90° cable of 2 m 5F = straight cable of 5 m 5R = 90° cable of 5 m

Please see our full catalogue for Series LR accessories.



Main



Section

# Series K8P Electronic Proportional Micro Regulator

**New: Use with Oxygen**

## Proportional regulator for pressure control

Series K8P electronic proportional micro regulators have evolved from our Series K8 mini-solenoid valves. Series K8P regulators guarantee excellent pressure regulation, fast response times, self regulation and low energy consumption. Series K8P is a high performance proportional pressure regulator which is suitable for use in all applications where high precision, quick response times and low consumption are required.

The K8P regulator adjusts the outlet pressure through the operation of two K8 monostable valves according to the inlet signal and to the retroactivity of the internal pressure sensor. A self-adjusting function has been integrated into the regulator control algorithm to guarantee the highest levels of performance apart from the volume connected.



- ✓ Ex Stock
- ✎ UK Assembly
- ☎ Please Call Sales Office

Part Number	Availability	Operating Pressure (Bar)
K8P-0-D5*2-0	☎	0-10
K8P-0-E5*2-0	☎	0-3
K8P-L-E5*2-0	☎	0-3
K8P-L-D5*2-0	☎	0-10
K8P-S-D5*2-0	☎	0-10
K8P-S-E5*2-0	☎	0-3
K8P-T-D5*2-0	☎	0-10
K8P-T-E5*2-0	☎	0-3

### Technical Data

#### Fluids

filtered compressed air, unlubricated, according to ISO 8573-1 class 7.4.4, oxygen, inert gases (argon, molecular nitrogen)

#### Pressures

Regulated pressure

0.5 - 10 bar

0.15 - 3 bar

0.35 - 7 bar

0.05 - 1 bar

Max inlet pressure

11 bar

4 bar

8 bar

1.5 bar

#### Analogue Input

0-10 V DC 4-20 mA Ripple ≤ 0,2%

**In compliance with the European Directive 2004/108/EC**

Full Data Sheet and Dimensions at <https://store.camozzi.co.uk>

PROPORTIONAL TECHNOLOGY



### CODING EXAMPLE

K8P	-	0	-	D	5	2	2	-	0
-----	---	---	---	---	---	---	---	---	---

<b>K8P</b>	SERIES: K8P	
<b>0</b>	BODY DESIGN: 0 = Stand alone S = Standard Sub-base	L = Light Sub-base T = Light Sub-base for the pressure remote reading
<b>D</b>	WORKING PRESSURE: D = 0 - 10 bar E = 0 - 3 bar	F = 0 - 7 bar B = 0 - 1 bar
<b>5</b>	VALVE FUNCTIONS: 5 = 3/2-way NC	
<b>2</b>	COMMAND: 2 = 0-10 V DC 3 = 4-20 mA	
<b>2</b>	OUTPUT SIGNAL: 2 = 0-10 V	
<b>0</b>	CABLE LENGTH: 0 = without cable 2F = straight cable, 2 m 2R = right angle cable (90 degrees), 2 m	5F = straight cable, 5 m 5R = right angle cable (90 degrees), 5 m
<b>OX1</b>	VERSIONS: = standard OX1 = for use with oxygen (in compliance with ASTM G93-03 Level E)	
<p><b>APPLICATIONS</b> The K8P proportional regulator can be used as a pilot valve to control the opening of high flow valves or to check the high flow pressure regulators proportionally (version with sub-base for the pressure remote reading). It enables proportional control of power in lifting systems and can be used with inert gas to maintain a constant pressure in pneumatic cylinders or expansion valve chambers.</p> <p>It has also been designed to maintain a constant pressure during the pulling power applied to the wires in winding machines, to modulate pressure during the smoothing process in woodworking machines or to adjust the opening of diaphragm valves.</p>		

Please see our full catalogue for Series K8P sub-bases and accessories.

# Series MX-PRO Proportional Pressure Regulator and Proportional Flow Valve

**New versions**

Regulator and valve ports (standard and Manifold): G1/2  
 Regulator: with built-in pressure gauge or G1/8 threaded ports  
 Valve: without pressure gauge

Series MX-PRO electronic proportional pressure regulator is the result of combining advanced technology of Series K8P electronic proportional micro regulator, with reliability and high performance of Series MX2 modular regulators. This new regulator ensures high precision in pressure regulation, high flow rate and low consumption. Moreover, it can take the most of Series MX ease of assembly to provide particularly compact Manifolds.

**Technical Data**  
**PROPORTIONAL PRESSURE REGULATOR**  
**Type of Construction**  
 Modular, compact, diaphragm type  
**Connections**  
 1/2  
**Regulated Pressure**  
 0.5 - 10 bar, 0.15 - 3 bar, 0.05 - 1 bar,  
 0.35 - 7 bar  
**Analogical Input**  
 0-10 V DC Ripple ≤0.2%  
 4 - 20mA

**PROPORTIONAL FLOW VALVE**  
**Type of Construction**  
 Modular, piston type  
**Connections**  
 1/2  
**Analogical Input**  
 0-10 V DC Ripple ≤0.2%  
 4 - 20mA  
 Full Data Sheet and Dimensions at  
<https://store.camozzi.co.uk>



PROPORTIONAL TECHNOLOGY



☎ Please Call Sales Office

## CODING EXAMPLE

<b>MX</b>	<b>2</b>	<b>-</b>	<b>1/2</b>	<b>-</b>	<b>R</b>	<b>CV</b>	<b>2</b>	<b>0</b>	<b>4</b>	<b>-</b>	<b>LH</b>
-----------	----------	----------	------------	----------	----------	-----------	----------	----------	----------	----------	-----------

<b>MX</b>	SERIES: MX
<b>2</b>	SIZE: 2 = G1/2
<b>1/2</b>	CONNECTIONS: 1/2 = G1/2
<b>R</b>	FUNCTIONING: R = pressure regulator M = Manifold pressure regulator  V = flow valve W = Manifold flow valve
<b>CV</b>	COMMAND: CV = electrical command 0-10 V DC (regulator only) CA = electrical command 4-20 mA (regulator only)  EV = electrical command 0-10 V DC with external servo pilot supply EA = electrical command 4-20 mA with external servo pilot supply
<b>2</b>	REGULATOR SETTING RANGE: 1 = working pressure 0 ÷ 3 bar 2 = working pressure 0 ÷ 10 bar 3 = working pressure 0 ÷ 1 bar 4 = working pressure 0 ÷ 7 bar  VALVE SETTING RANGE: 8 = low flow 9 = high flow
<b>0</b>	DESIGN TYPE: 0 = relieving (regulator only) 1 = without relieving
<b>4</b>	PRESSURE GAUGE: 0 = without pressure gauge, with threaded port for gauges 2 = with built-in pressure gauge 0-6 bar (regulator only) 4 = with built-in pressure gauge 0-12 bar (regulator only)
<b>LH</b>	FLOW DIRECTION: = from left to right (standard) LH = from right to left
<b>OX1</b>	VERSIONS: = standard OX1 = for use with oxygen (in compliance with ASTM G93-03 Level E), FKM seals

Further details about the assembly of a single component with fixing flanges or wall-mounting can be found in the AIR TREATMENT catalogue, section SERIES MX ASSEMBLED FRL.

Please see our full catalogue for Series MX-PRO accessories and connectors.

# Series ER100 and ER200 Digital Electro-Pneumatic Regulators

Series ER100 Connections: 1/4

Series ER200 Connections: 1/4 and 3/8

Full Data Sheet and Dimensions at <https://store.camozzi.co.uk>



PROPORTIONAL TECHNOLOGY



Main



Section

## SERIES ER100 MODELS

Part Number	Availability	Part Number	Availability
ER104-50AP	Ⓞ	ER104-90AP	Ⓞ
ER104-50SP	Ⓞ	ER104-90SP	Ⓞ
ER104-52AP	Ⓞ	ER104-92AP	Ⓞ
ER104-52SP	Ⓞ	ER104-92SP	Ⓞ
ER104-5PSP	Ⓞ	ER104-9PSP	Ⓞ

## SERIES ER200 MODELS

Part Number	Availability	Part Number	Availability
ER238-50AP	Ⓞ	ER238-90AP	Ⓞ
ER238-50SP	Ⓞ	ER238-90SP	Ⓞ
ER238-52AP	Ⓞ	ER238-92AP	Ⓞ
ER238-52SP	Ⓞ	ER238-92SP	Ⓞ
ER238-5PSP	Ⓞ	ER238-9PSP	Ⓞ

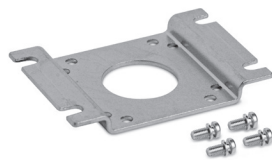
## CODING EXAMPLE

ER	1	04	-	5	0	AN
<b>ER</b> SERIES: ER		<b>04</b> CONNECTIONS: 04 = 1/4 38 = 3/8 (size 2 only)			<b>0</b> INPUT: 0 = 0 - 10 V DC 1 = 0 - 5 V DC 2 = 4 - 20 mA P = Parallel 10 bit	
	<b>1</b> SIZE: 1 = size 1 2 = size 2			<b>5</b> WORKING PRESSURE: 5 = 0 - 5 bar 9 = 0.5 - 9 bar		<b>AN</b> OUTPUT: AN = 1 - 5 V analog, error (NPN) AP = 1 - 5 V analog, error (PNP) SN = switch (NPN), error (NPN) SP = switch (PNP), error (PNP)

Please see our full technical catalogue for complete specifications.

## Series ER100 Accessories

Bracket  
Floor installation type



Part Number	Availability
ER1-B1	Ⓞ

Bracket  
Wall installation type



Part Number	Availability
ER1-B2	Ⓞ

## Series ER200 Accessories

Bracket  
Floor installation type mounting



Part Number	Availability
ER2-B1	Ⓞ

Bracket  
Wall installation type mounting



Part Number	Availability
ER2-B2	Ⓞ

Cable and connector for regulator  
with analog Input



Part Number	Availability
G8X1-1	Ⓞ
G8X1-3	Ⓞ














Cable and connector for regulator  
with parallel Input












Part Number	Availability
G8X2-1	Ⓞ
G8X2-3	Ⓞ

# Air Treatment










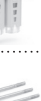
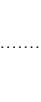
## 1 Series MX Modular FRL Units

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New versions

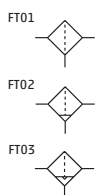
# Series MX Filters

Connections: MX2=3/8, 1/2, 3/4 MX3=3/4, 1

Modular

Bowl with technopolymer cover and bayonet-type mounting

Full Data Sheet and Dimensions at <https://store.camozzi.co.uk>





### CODING EXAMPLE

MX	2	-	1/2	-	F	0	0	M	1	-	LH
----	---	---	-----	---	---	---	---	---	---	---	----

<b>MX</b>	SERIES: MX	<b>0</b>	DRAINING OF CONDENSATE: 0 = semi-automatic manual drain (standard - only for polymer bowl) 3 = automatic drain 5 = depressuring drain, protected (only for polymer bowl) 8 = without drain with connection 1/8
<b>2</b>	SIZE: 2 = 3/8 - 1/2 - 3/4 3 = 3/4 - 1	<b>M</b>	TYPE OF BOWL: = polymer (standard) M = metal (only for MX2-1/2 and MX3-1)
<b>1/2</b>	CONNECTIONS: 3/8, 1/2, 3/4, 1	<b>1</b>	VISUAL BLOCKAGE INDICATOR: = not present 1 = present
<b>F</b>	FILTER	<b>LH</b>	FLOW DIRECTION: = from left to right (standard) LH = from right to left
<b>0</b>	FILTERING ELEMENT: 0 = 25µm (standard) 1 = 5µm		

- ✓ Ex Stock
- 🔧 UK Assembly
- 📞 Please Call Sales Office

Availability	Symbol	MX2			MX3	
		3/8	1/2	3/4	3/4	1
<b>25 micron</b>						
Semi Auto Drain	✓ FT02	MX2-3/8-F00	MX2-1/2-F00	MX2-3/4-F00	MX3-3/4-F00	MX3-1-F00
Automatic Drain	✓ FT03	MX2-3/8-F03	MX2-1/2-F03	MX2-3/4-F03	MX3-3/4-F03	MX3-1-F03
Depressurisation Drain Protected	📞 FT03	MX2-3/8-F05	MX2-1/2-F05	MX2-3/4-F05	MX3-3/4-F05	MX3-1-F05
Connection 1/8	📞 FT01	MX2-3/8-F08	MX2-1/2-F08	MX2-3/4-F08	MX3-3/4-F08	MX3-1-F08
<b>5 micron</b>						
Semi Auto Drain	✓ FT02	MX2-3/8-F10	MX2-1/2-F10	MX2-3/4-F10	MX3-3/4-F10	MX3-1-F10
Automatic Drain	✓ FT03	MX2-3/8-F13	MX2-1/2-F13	MX2-3/4-F13	MX3-3/4-F13	MX3-1-F13
Depressurisation Drain Protected	📞 FT03	MX2-3/8-F15	MX2-1/2-F15	MX2-3/4-F15	MX3-3/4-F15	MX3-1-F15
Connection 1/8	📞 FT01	MX2-3/8-F18	MX2-1/2-F18	MX2-3/4-F18	MX3-3/4-F18	MX3-1-F18
<b>Accessories</b>						
		3/8	1/2	3/4	3/4	
		S6510 10-3/8	S6510 12-1/2	S6510 16-3/4	S6510 16-3/4	
		S6520 10-3/8	S6520 12-1/2	-	-	

AIR TREATMENT



# Series MX Activated Carbon Filters

**New versions**

Connections: MX2=3/8, 1/2, 3/4 MX3=3/4, 1

Modular

Bowl with technopolymer cover and bayonet-type mounting

Full Data Sheet and Dimensions at <https://store.camozzi.co.uk>

AIR TREATMENT



### CODING EXAMPLE

<b>MX</b>	<b>2</b>	-	<b>1/2</b>	-	<b>FCA</b>	<b>M</b>	<b>1</b>	-	<b>LH</b>
-----------	----------	---	------------	---	------------	----------	----------	---	-----------

<b>MX</b>	SERIES: MX	
<b>2</b>	SIZE: 2 = 3/8 - 1/2 - 3/4 3 = 3/4 - 1	<b>M</b> TYPE OF BOWL: = Polymer (standard) M = metal (only for MX2-1/2 and MX3-1)
<b>1/2</b>	CONNECTIONS: 1/2, 3/4, 1	<b>1</b> VISUAL BLOCKAGE INDICATOR: = not present 1 = present
<b>FCA</b>	ACTIVATED CARBON FILTER	<b>LH</b> FLOW DIRECTION: = from left to right (standard) LH = from right to left



- ✓ Ex Stock
- 🔧 UK Assembly
- 📞 Please Call Sales Office



Main



Section

	Availability	MX2			MX3	
		3/8	1/2	3/4	3/4	1
Activated Carbon Filters	📞	<b>MX2-3/8-FCA</b>	<b>MX2-1/2-FCA</b>	<b>MX2-3/4-FCA</b>	<b>MX3-3/4-FCA</b>	<b>MX3-1-FCA</b>
Accessories		3/8	1/2	3/4	3/4	
		<b>S6510 10-3/8</b>	<b>S6510 12-1/2</b>	<b>S6510 16-3/4</b>	<b>S6510 16-3/4</b>	
		<b>S6520 10-3/8</b>	<b>S6520 12-1/2</b>	-	-	

# Air Treatment Box Sets



## Reduce costs and save time

- 1/2 & 3/8
- Removes Contaminants
- Controls Pressure
- Extends Component Service Life
- Increased Safety

New versions

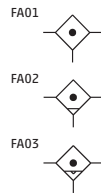
# Series MX Coalescing Filters

Connections: MX2=3/8, 1/2, 3/4 MX3=3/4, 1

Modular

Bowl with technopolymer cover and bayonet-type mounting

Full Data Sheet and Dimensions at <https://store.camozzi.co.uk>



### CODING EXAMPLE

**MX 2 - 1/2 - FC 0 0 M 1 - LH**

<b>MX</b>	SERIES: MX		
<b>2</b>	SIZE: 2 = 3/8 - 1/2 - 3/4 3 = 3/4 - 1	<b>0</b>	DRAINING OF CONDENSATE: 0 = semi-automatic manual drain (standard - only for polymer bowl) 3 = automatic drain 5 = depressuring drain, protected (only for polymer bowl) 8 = without drain with connection 1/8
<b>1/2</b>	CONNECTIONS: 3/8, 1/2, 3/4, 1	<b>M</b>	TYPE OF BOWL: = polymer (standard) M = metal (only for MX2-1/2 and MX3-1)
<b>FC</b>	COALESCING FILTERS	<b>1</b>	VISUAL BLOCKAGE INDICATOR: = not present 1 = present
<b>0</b>	FILTERING ELEMENT: 0 = 0.01µm (standard) 1 = 1µm	<b>LH</b>	FLOW DIRECTION: = from left to right (standard) LH = from right to left

- ✓ Ex Stock
- ✎ UK Assembly
- ⌚ Please Call Sales Office

	Availability	Symbol	3/8	MX2 1/2	3/4	MX3 3/4	1
<b>0.01 micron</b>							
Semi Auto Drain	⌚	FA02	MX2-3/8-FC00	MX2-1/2-FC00	MX2-3/4-FC00	MX3-3/4-FC00	MX3-1-FC00
Automatic Drain	⌚	FA03	MX2-3/8-FC03	MX2-1/2-FC03	MX2-3/4-FC03	MX3-3/4-FC03	MX3-1-FC03
Depressurisation Drain Protected	⌚	FA03	MX2-3/8-FC05	MX2-1/2-FC05	MX2-3/4-FC05	MX3-3/4-FC05	MX3-1-FC05
Connection 1/8	⌚	FA01	MX2-3/8-FC08	MX2-1/2-FC08	MX2-3/4-FC08	MX3-3/4-FC08	MX3-1-FC08
<b>1 micron</b>							
Semi Auto Drain	⌚	FA02	MX2-3/8-FC10	MX2-1/2-FC10	MX2-3/4-FC10	MX3-3/4-FC10	MX3-1-FC10
Automatic Drain	⌚	FA03	MX2-3/8-FC13	MX2-1/2-FC13	MX2-3/4-FC13	MX3-3/4-FC13	MX3-1-FC13
Depressurisation Drain Protected	⌚	FA03	MX2-3/8-FC15	MX2-1/2-FC15	MX2-3/4-FC15	MX3-3/4-FC15	MX3-1-FC15
Connection 1/8	⌚	FA01	MX2-3/8-FC18	MX2-1/2-FC18	MX2-3/4-FC18	MX3-3/4-FC18	MX3-1-FC18
<b>Accessories</b>							
			3/8	1/2	3/4	3/4	
			S6510 10-3/8	S6510 12-1/2	S6510 16-3/4	S6510 16-3/4	
			S6520 10-3/8	S6520 12-1/2	-	-	

Please see page 217 for additional Series MX accessories

AIR TREATMENT



# Series MX Pressure Regulators

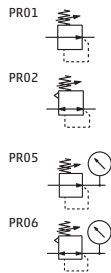
Connections: MX2=3/8, 1/2, 3/4, MX3=3/4, 1

Manifold Connections: 1/2 (MX2 only)

Modular - Available with built-in pressure gauge or connections for external gauge (1/4 connection for MX3, 1/8 connection for MX2)

Full Data Sheet and Dimensions at <https://store.camozzi.co.uk>

AIR TREATMENT



- ✓ Ex Stock
- ✎ UK Assembly
- ☎ Please Call Sales Office

## CODING EXAMPLE

**MX 2 - 3/8 - R 0 0 4 - LH**

<b>MX</b>	SERIES: MX	<b>0</b>	DESIGN TYPE: 0 = relieving (standard) 1 = without relieving 2 = relieving, with by-pass valve (only regulator) 3 = without relieving, with by-pass valves (only regulator)
<b>2</b>	SIZE: 2 = 3/8 - 1/2 - 3/4 3 = 3/4 - 1		
<b>3/8</b>	CONNECTIONS: 3/8, 1/2, 3/4, 1		
<b>R</b>	TYPE OF REGULATOR: R = pressure regulator M = manifold pressure regulator (MX2 1/2 only)	<b>4</b>	PRESSURE GAUGE: 0 = without pressure gauge (with threaded connection for gauges) 2 = with built-in pressure gauge 0-6 and working pressure 0 - 4 bar 3 = with built-in pressure gauge 0-10 and working pressure 0 - 7 bar (MX2 only) 4 = with built-in pressure gauge 0-12 and working pressure 0.5 - 10 bar (standard)
<b>0</b>	OPERATING PRESSURE: 0 = 0.5 - 10 bar (standard) 4 = 0 - 4 bar 7 = 0.5 - 7 bar (MX2 only)		
		<b>LH</b>	FLOW DIRECTION: = from left to right (standard) LH = from right to left

Availability	Symbol	MX2			MX3	
		3/8	1/2	3/4	3/4	1

### With Port for Pressure Gauge

0.5 - 10 Bar, Relieving	✓	PR02	MX2-3/8-R000	MX2-1/2-R000	MX2-3/4-R000	MX3-3/4-R000	MX3-1-R000
0 - 4 Bar, Relieving	☎	PR02	MX2-3/8-R400	MX2-1/2-R400	MX2-3/4-R400	MX3-3/4-R400	MX3-1-R400
0 - 7 Bar, Relieving (MX2 only)	☎	PR02	MX2-3/8-R700	MX2-1/2-R700	MX2-3/4-R700	-	-
0.5 - 10 Bar, Non-Relieving	☎	PR01	MX2-3/8-R010	MX2-1/2-R010	MX2-3/4-R010	MX3-3/4-R010	MX3-1-R010
0 - 4 Bar, Non-Relieving	☎	PR01	MX2-3/8-R410	MX2-1/2-R410	MX2-3/4-R410	MX3-3/4-R410	MX3-1-R410
0 - 7 Bar, Non-Relieving (MX2 only)	☎	PR01	MX2-3/8-R710	MX2-1/2-R710	MX2-3/4-R710	-	-

### With Built-in Pressure Gauge

0.5 - 10 Bar, Relieving	✓	PR06	MX2-3/8-R004	MX2-1/2-R004	MX2-3/4-R004	MX3-3/4-R004	MX3-1-R004
0 - 4 Bar, Relieving	☎	PR06	MX2-3/8-R402	MX2-1/2-R402	MX2-3/4-R402	MX3-3/4-R402	MX3-1-R402
0 - 7 Bar, Relieving (MX2 only)	☎	PR06	MX2-3/8-R703	MX2-1/2-R703	MX2-3/4-R703	-	-
0.5 - 10 Bar, Non-Relieving	☎	PR05	MX2-3/8-R014	MX2-1/2-R014	MX2-3/4-R014	MX3-3/4-R014	MX3-1-R014
0 - 4 Bar, Non-Relieving	☎	PR05	MX2-3/8-R412	MX2-1/2-R412	MX2-3/4-R412	MX3-3/4-R412	MX3-1-R412
0 - 7 Bar, Non-Relieving (MX2 only)	☎	PR05	MX2-3/8-R713	MX2-1/2-R713	MX2-3/4-R713	-	-

Accessories	3/8	1/2	3/4	3/4	1
-------------	-----	-----	-----	-----	---



S6510 10-3/8 S6510 12-1/2 S6510 16-3/4 S6510 16-3/4



S6520 10-3/8 S6520 12-1/2 - -



MX2-S MX2-S MX2-S MX3-S MX3-S

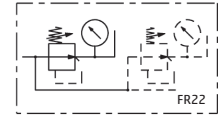
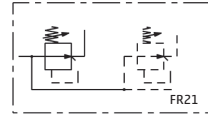
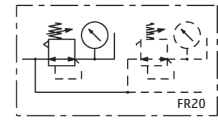
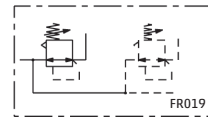


M053-P12 M053-P12 M053-P12 M063-P12 M063-P12

Please see page 217 for additional Series MX accessories







Series MX Manifold Pressure Regulators



- ✓ Ex Stock
- 🔧 UK Assembly
- 📞 Please Call Sales Office

Availability	Symbol	MX2 1/2
<b>With Port for Pressure Gauge</b>		
0.5 - 10 Bar, Relieving ✓	FR19	MX2-1/2-M000
0 - 4 Bar, Relieving 🕒	FR19	MX2-1/2-M400
0 - 7 Bar, Relieving 🕒	FR19	MX2-1/2-M700
0.5 - 10 Bar, Non-Relieving 🕒	FR21	MX2-1/2-M010
0 - 4 Bar, Non-Relieving 🕒	FR21	MX2-1/2-M410
0 - 7 Bar, Non-Relieving 🕒	FR21	MX2-1/2-M710
<b>With Built-in Pressure Gauge</b>		
0.5 - 10 Bar, Relieving 🕒	FR20	MX2-1/2-M004
0 - 4 Bar, Relieving 🕒	FR20	MX2-1/2-M402
0 - 7 Bar, Relieving 🕒	FR20	MX2-1/2-M703
0.5 - 10 Bar, Non-Relieving 🕒	FR22	MX2-1/2-M014
0 - 4 Bar, Non-Relieving 🕒	FR22	MX2-1/2-M412
0 - 7 Bar, Non-Relieving 🕒	FR22	MX2-1/2-M713

Accessories	1/2
	S6510 12-1/2
	S6520 12-1/2
	MX2-S
	M053-P12

Please see page 217 for additional Series MX accessories



# Series MX Pneumatic Pilot Operated Pressure Regulators

**New**

Connections: 3/8, 1/2, 3/4

Modular - Available with built-in pressure gauge or connections for gauge.

Full Data Sheet and Dimensions at <https://store.camozzi.co.uk>



### CODING EXAMPLE

**MX 2 - 1/2 - R CP 0 0 4 - LH**

<b>MX</b>	SERIES: MX	<b>0</b>	OPERATING PRESSURE: 0 = 0.5 - 10 bar
<b>2</b>	SIZE: 2 = 3/8 - 1/2 - 3/4		
<b>3/8</b>	CONNECTIONS: 3/8, 1/2, 3/4		DESIGN TYPE: 0 = relieving (standard) 1 = without relieving
<b>R</b>	TYPE OF REGULATOR: R = pressure regulator	<b>4</b>	PRESSURE GAUGE: 0 = without pressure gauge (with threaded connection for gauges) 4 = with built-in pressure gauge 0-12 and working pressure 0.5 - 10 bar (standard)
<b>CP</b>	TYPE OF COMMAND/PILOT SUPPLY: CP = pneumatic pilot supply	<b>LH</b>	FLOW DIRECTION: = from left to right (standard) LH = from right to left

- ✓ Ex Stock
- ✎ UK Assembly
- ☎ Please Call Sales Office

Availability	3/8	1/2	3/4
Part Number	✓ <b>MX2-3/8-RCP004</b>	<b>MX2-1/2-RCP004</b>	<b>MX2-3/4-RCP004</b>

Please see page 217 for Series MX Accessories

# Series MX Lubricators

**New versions**

Connections: MX2=3/8, 1/2, 3/4 MX3=3/4, 1

**Note:** Lubrication Oil also available

Modular

Bowl with technopolymer cover and bayonet-type mounting

Full Data Sheet and Dimensions at <https://store.camozzi.co.uk>



### CODING EXAMPLE

**MX 2 - 1/2 - L 00 M - LH**

<b>MX</b>	SERIES: MX		
<b>2</b>	SIZE: 2 = 3/8 - 1/2 - 3/4 3 = 3/4 - 1	<b>00</b>	DESIGN TYPE: 00 = atomized oil
<b>1/2</b>	CONNECTIONS: 3/8, 1/2, 3/4, 1	<b>M</b>	TYPE OF BOWL: = polymer (standard) M = metal (for MX2-1/2 and mx3-1 only)
<b>L</b>	LUBRICATOR	<b>LH</b>	FLOW DIRECTION: = from left to right (standard) LH = from right to left

- ✓ Ex Stock
- ✎ UK Assembly
- ☎ Please Call Sales Office



Availability	MX2	MX3
Connection	3/8 1/2 3/4	3/4 1
Part Number	✓ <b>MX2-3/8-L00</b>	<b>MX2-1/2-L00</b> <b>MX2-3/4-L00</b> <b>MX3-3/4-L00</b> <b>MX3-1-L00</b>

Please see page 217 for Series MX Accessories

New versions

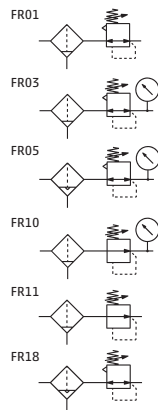
# Series MX Filter/Regulators

Connections: MX2=3/8, 1/2, 3/4 MX3=3/4, 1

Modular

Bowl with technopolymer cover and bayonet-type mounting

Full Data Sheet and Dimensions at <https://store.camozzi.co.uk>



N.B. 5 Micron, depressurisation drain and connection 1/8 also available on request. See coding table above.

Please see page 217 for Series MX Accessories

### CODING EXAMPLE

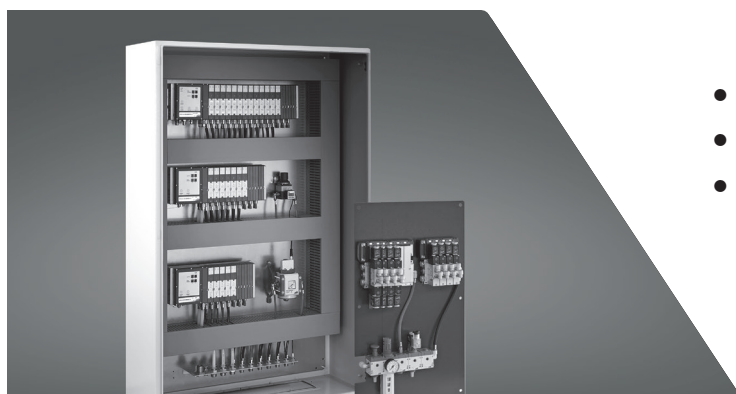
**MX 2 - 1/2 - FR 0 0 0 4 M - LH**

<b>MX</b> SERIES: MX	<b>0</b> DRAINING OF CONDENSATE: 0 = semi-automatic manual drain (standard - only for polymer bowl) 3 = automatic drain 5 = depressuring drain, protected (only for polymer bowl) 8 = without drain with connection 1/8
<b>2</b> SIZE: 2 = 3/8 - 1/2 - 3/4 3 = 3/4 - 1	<b>0</b> OPERATING PRESSURE: 0 = 0.5 - 10 bar (standard) 4 = 0 - 4 bar 7 = 0.5 - 7 bar (MX2 only)
<b>3/8</b> CONNECTIONS: 3/8, 1/2, 3/4, 1	<b>4</b> PRESSURE GAUGE: 0 = without pressure gauge 2 = with built-in pressure gauge 0-6 and working pressure 0-4 bar 3 = with built-in pressure gauge 0-10 and working pressure 0-7 bar (MX2 only) 4 = with built-in pressure gauge 0-12 and working pressure 0.5 - 10 bar (standard)
<b>FR</b> FILTER REGULATOR	<b>M</b> TYPE OF BOWL: = polymer (standard) M = metal (only for MX2-1/2 and MX3-1)
<b>0</b> FILTERING ELEMENT WITH DESIGN TYPE: 0 = 25µm with relieving (standard) 1 = 5µm with relieving 2 = 25µm without relieving 3 = 5µm without relieving	<b>LH</b> FLOW DIRECTION: = from left to right (standard) LH = from right to left

AIR TREATMENT







# Customised Solutions



- Pre-Assembled Kits
- Special Products
- Control Cabinets and Systems

**Series MX Filter/Regulator**

- ✓ Ex Stock
- 🔧 UK Assembly
- 📞 Please Call Sales Office

Availability Symbol			MX2			MX3	
		3/8	1/2	3/4	3/4	1	
<b>Semi Auto Drain - Self Relieving</b>							
25 Micron 0.5 - 10 Bar	✓	FR01	MX2-3/8-FR0000	MX2-1/2-FR0000	MX2-3/4-FR0000	MX3-3/4-FR0000	MX3-1-FR0000
25 Micron 0 - 4 Bar	📞	FR01	MX2-3/8-FR0040	MX2-1/2-FR0040	MX2-3/4-FR0040	MX3-3/4-FR0040	MX3-1-FR0040
25 Micron 0.5 - 10 Bar (MX2 only)	📞	FR01	MX2-3/8-FR0070	MX2-1/2-FR0070	MX2-3/4-FR0070	-	-
<b>Semi Auto Drain - Non-Relieving</b>							
25 Micron 0.5 - 10 Bar	✓	FR011	MX2-3/8-FR2000	MX2-1/2-FR2000	MX2-3/4-FR0000	MX3-3/4-FR2000	MX3-1-FR2000
25 Micron 0 - 4 Bar	📞	FR011	MX2-3/8-FR2040	MX2-1/2-FR2040	MX2-3/4-FR0040	MX3-3/4-FR2040	MX3-1-FR2040
25 Micron 0 - 7 Bar (MX2 only)	📞	FR011	MX2-3/8-FR2070	MX2-1/2-FR2070	MX2-3/4-FR0070	-	-
<b>Automatic Drain - Self Relieving</b>							
25 Micron 0.5 - 10 Bar	✓	FR018	MX2-3/8-FR0300	MX2-1/2-FR0300	MX2-3/4-FR0300	MX3-3/4-FR0300	MX3-1-FR0300
25 Micron 0 - 4 Bar	📞	FR018	MX2-3/8-FR0340	MX2-1/2-FR0340	MX2-3/4-FR0340	MX3-3/4-FR0340	MX3-1-FR0340
25 Micron 0 - 7 Bar (MX2 only)	📞	FR018	MX2-3/8-FR0370	MX2-1/2-FR0370	MX2-3/4-FR0370	-	-
<b>Semi Auto Drain - Self Relieving</b>							
25 Micron 0.5 - 10 Bar	✓	FR03	MX2-3/8-FR0004	MX2-1/2-FR0004	MX2-3/4-FR0004	MX3-3/4-FR0004	MX3-1-FR0004
25 Micron 0 - 4 Bar	📞	FR03	MX2-3/8-FR0042	MX2-1/2-FR0042	MX2-3/4-FR0042	MX3-3/4-FR0042	MX3-1-FR0042
25 Micron 0.5 - 10 Bar (MX2 only)	📞	FR03	MX2-3/8-FR0073	MX2-1/2-FR0073	MX2-3/4-FR0073	-	-
<b>Semi Auto Drain - Non-Relieving</b>							
25 Micron 0.5 - 10 Bar	📞	FR10	MX2-3/8-FR2004	MX2-1/2-FR2004	MX2-3/4-FR2004	MX3-3/4-FR2004	MX3-1-FR2004
25 Micron 0 - 4 Bar	📞	FR10	MX2-3/8-FR2042	MX2-1/2-FR2042	MX2-3/4-FR2042	MX3-3/4-FR2042	MX3-1-FR2042
25 Micron 0 - 7 Bar (MX2 only)	📞	FR10	MX2-3/8-FR2073	MX2-1/2-FR2073	MX2-3/4-FR2073	-	-
<b>Automatic Drain - Self Relieving</b>							
25 Micron 0.5 - 10 Bar	✓	FR05	MX2-3/8-FR0304	MX2-1/2-FR0304	MX2-3/4-FR0304	MX3-3/4-FR0304	MX3-1-FR0304
25 Micron 0 - 4 Bar	📞	FR05	MX2-3/8-FR0342	MX2-1/2-FR0342	MX2-3/4-FR0342	MX3-3/4-FR0342	MX3-1-FR0342
25 Micron 0 - 7 Bar (MX2 only)	📞	FR05	MX2-3/8-FR0373	MX2-1/2-FR0373	MX2-3/4-FR0373	-	-
<b>Accessories</b>							
		3/8	1/2	3/4	3/4		
		S6510 10-3/8	S6510 12-1/2	S6510 16-3/4	S6510 16-3/4		
		S6520 10-3/8	S6520 12-1/2	-	-		
		MX2-S	MX2-S	MX2-S	MX3-S	MX3-S	
		M053-P12	M053-P12	M053-P12	M063-P12	M063-P12	

Please see page 217 for additional Series MX accessories



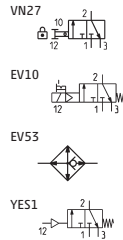
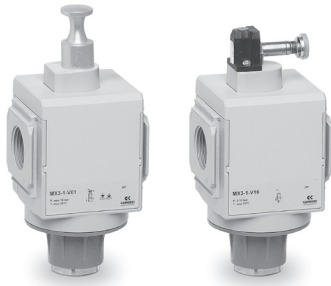
# Series MX Lockable Isolation 3/2-Way Valves

Connections: MX2=3/8, 1/2, 3/4 MX3=3/4, 1

Modular

Manual, electro-pneumatic, servo-pilot and pneumatic control

Full Data Sheet and Dimensions at <https://store.camozzi.co.uk>



- ✓ Ex Stock
- 🇬🇧 UK Assembly
- 📞 Please Call Sales Office

### CODING EXAMPLE

MX	2	-	3/8	-	V	01	-	LH
----	---	---	-----	---	---	----	---	----

<b>MX</b>	SERIES: MX	<b>V</b>	3/2 WAY VALVE
<b>2</b>	SIZE: 2 = 3/8 - 1/2 - 3/4 3 = 3/4 - 1	<b>01</b>	DESIGN TYPE: 01 = lockable manual control 16 = electro-pneumatic control 17 = servo-pilot control 36 = pneumatic control
<b>3/8</b>	CONNECTIONS: 3/8, 1/2, 3/4, 1	<b>LH</b>	FLOW DIRECTION: = from left to right (standard) LH = from right to left

		MX2			MX3	
Availability Symbol		3/8	1/2	3/4	3/4	1
Lockable Manual Control	✓ VN27	<b>MX2-3/8-V01</b>	<b>MX2-1/2-V01</b>	<b>MX2-3/4-V01</b>	<b>MX3-3/4-V01</b>	<b>MX3-1-V01</b>
Electro-Pneumatic Control	✓ EV10	<b>MX2-3/8-V16</b>	<b>MX2-1/2-V16</b>	<b>MX2-3/4-V16</b>	<b>MX3-3/4-V16</b>	<b>MX3-1-V16</b>
Servo-Pilot Control	✓ EV53	<b>MX2-3/8-V17</b>	<b>MX2-1/2-V17</b>	<b>MX2-3/4-V17</b>	<b>MX3-3/4-V17</b>	<b>MX3-1-V17</b>
Pneumatic Control	✓ YES1	<b>MX2-3/8-V36</b>	<b>MX2-1/2-V36</b>	<b>MX2-3/4-V36</b>	<b>MX3-3/4-V36</b>	<b>MX3-1-V36</b>

Accessories		3/8	1/2	3/4	3/4
		S6510 10-3/8	S6510 12-1/2	S6510 16-3/4	S6510 16-3/4
		S6520 10-3/8	S6520 12-1/2	-	-
	<b>Note:</b> Required for Electro-Pneumatic Control Only	<b>U7*</b>	<b>U7*</b>	<b>U7*</b>	<b>U7*</b>

Please see page 133 for voltage options

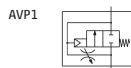
Please see page 217 for additional Series MX accessories

# Series MX Soft Start Valves

Connections: MX2=3/8, 1/2, 3/4 MX3=3/4, 1

Modular

Full Data Sheet and Dimensions at <https://store.camozzi.co.uk>



- ✓ Ex Stock
- 🇬🇧 UK Assembly
- 📞 Please Call Sales Office

### CODING EXAMPLE

MX	2	-	3/8	-	AV	-	LH
----	---	---	-----	---	----	---	----

<b>MX</b>	SERIES: MX	<b>AV</b>	SOFT START VALVE
<b>2</b>	SIZE: 2 = 3/8 - 1/2 - 3/4 3 = 3/4 - 1	<b>LH</b>	FLOW DIRECTION: = from left to right (standard) LH = from right to left
<b>3/8</b>	CONNECTIONS: 3/8, 1/2, 3/4, 1		

		MX2			MX3	
Availability		3/8	1/2	3/4	3/4	1
Soft Start Valve	✓	<b>MX2-3/8-AV</b>	<b>MX2-1/2-AV</b>	<b>MX2-3/4-AV</b>	<b>MX3-3/4-AV</b>	<b>MX3-1-AV</b>

Please see page 217 for additional Series MX accessories

# Series MX SAFEMAX 3/2-way Quick Exhaust Safety Valves

**New**

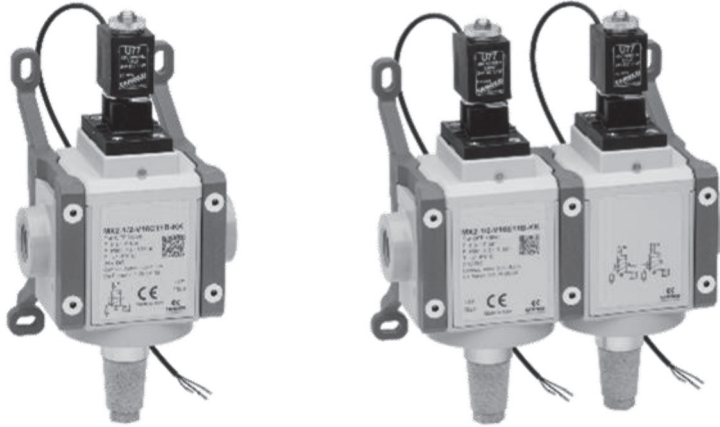
Connections: 1/2

Single or double channel

According to Machinery Directive 2006/42 / CE.

Solutions to reach Performance Level E

Full Data Sheet and Dimensions at <https://store.camozzi.co.uk>



AIR TREATMENT



Main



Section

## CODING EXAMPLE

**MX 2 - 1/2 - V 16 2 0 A B - KK - LH**

<b>MX</b>	SERIES: MX	<b>0</b>	ACCESSORIES: 0 = Without silencer 1 = With silencer
<b>2</b>	SIZE: 2	<b>A</b>	SENSOR: A = UL sensor, 2mt cable B = UL sensor, 5mt cable C = Atex sensor, 2mt cable D = Atex sensor, 5mt cable E = CE sensor M8 connector, 300mm cable
<b>1/2</b>	CONNECTIONS: 1/2	<b>B</b>	VERSION: A = Atex B = UL C = CE
<b>V</b>	COMPONENT V = 3/2-WAY VALVE	<b>MOUNTING:</b>	= without mounting accessories HH = side quick clamps and flanges JJ = side wall clamps and flanges KK = side wall brackets and flanges
<b>16</b>	CONSTRUCTION: 16 = Internal Servo Pilot 17 = External Servo Pilot	<b>FLOW DIRECTION:</b>	= From Left to Right (standard) LH = From Right to Left
<b>2</b>	CHANNEL: 2 = Single		

## Accessories 1/2



S6510 12-1/2



S6520 12-1/2

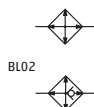
Please see page 217 for additional Series MX accessories

# Series MX Take-off Blocks

Connections: MX2=1/2 MX3=1

Modular

Full Data Sheet and Dimensions at <https://store.camozzi.co.uk>



- ✓ Ex Stock
- 🇬🇧 UK Assembly
- ☎ Please Call Sales Office

### CODING EXAMPLE

<b>MX</b>	<b>2</b>	-	<b>1/2</b>	-	<b>B</b>	<b>00</b>	-	<b>LH</b>
-----------	----------	---	------------	---	----------	-----------	---	-----------

<b>MX</b>	SERIES: MX		
<b>2</b>	SIZE: 2 = 1/2      3 = 1	<b>00</b>	DESIGN TYPE: 00 = without no return valve (standard) 01 = with no return valve 02 = without no return valve, with double O-ring seat
<b>1/2</b>	CONNECTIONS: 1/2, 1		
<b>B</b>	TAKE-OFF BLOCK	<b>LH</b>	FLOW DIRECTION: = from left to right (standard) LH = from right to left

	Availability	Symbol	MX2	MX3
Take-off Blocks			1/2	1
Without no return valve	✓	<b>BL01</b>	<b>MX2-1/2-B00</b>	<b>MX3-1-B00</b>
With no return valve	✓	<b>BL02</b>	<b>MX2-1/2-B01</b>	<b>MX3-1-B01</b>

Please see page 217 for Series MX Accessories

AIR TREATMENT



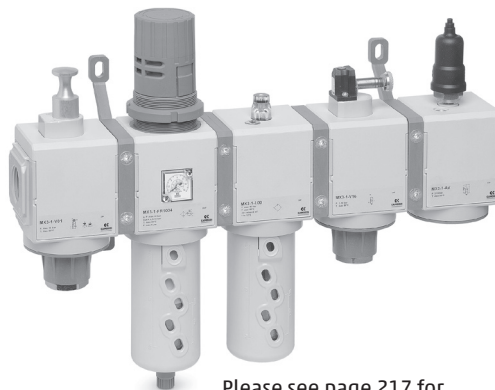
# Series MX FRL Assembled

Connections MX2=3/8, 1/2, 3/4 MX3=3/4, 1

Assembly through rapid clamps

The FRL Series MX can be easily assembled through rapid clamps which allow the connection among single components creating an unlimited number of compositions.

The FRL groups Series MX are also available in the already mounted version (with a single code).



Please see page 217 for additional Series MX accessories

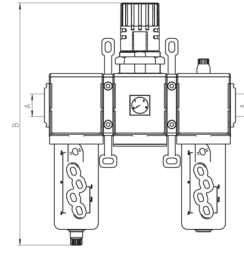
### CODING EXAMPLE

<b>MX</b>	<b>2</b>	-	<b>3/8</b>	-	<b>000014</b>	-	<b>LH</b>
-----------	----------	---	------------	---	---------------	---	-----------

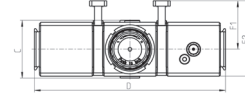
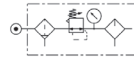
<b>MX</b>	SERIES: MX		
<b>2</b>	SIZE: 2 = 3/8 - 1/2 - 3/4 3 = 3/4 - 1	<b>000014</b>	<b>LH</b> FLOW DIRECTION: = from left to right (standard) LH = from right to left
<b>3/8</b>	CONNECTIONS: 3/8 = 3/8 1/2 = 1/2 3/4 = 3/4 1 = 1	GROUP COMPOSITION (WITH BUILT IN PRESSURE GAUGE): 000014 = F00 + R004 + L00 000015 = FR0004 + L00 000016 = V01 + FR0004 + L00 000017 = V01 + FR0004 000018 = FR0004 + V16 + AV 000019 = FR0004 + L00 + V16 + AV 000020 = V01 + FR0004 + V16 + AV 000021 = V01 + FR0004 + L00 + V16 + AV + PRESS. NO 000022 = V01 + FR0004 + L00 + V16 + AV + PRESS. NC 000023 = V01 + FR0004 + V16 + AV + PRESS. NO 000024 = V01 + FR0004 + V16 + AV + PRESS. NC  GROUP COMPOSITION (WITH EXTERNAL PRESSURE GAUGE): 000025 = F00 + R000 + L00 000026 = FR0000 + L00 000027 = V01 + FR0000 + L00 000028 = V01 + FR0000 000029 = FR0000 + V16 + AV 000030 = FR0000 + L00 + V16 + AV 000031 = V01 + FR0000 + V16 + AV 000032 = V01 + FR0000 + L00 + V16 + AV + PRESS. NO 000033 = V01 + FR0000 + L00 + V16 + AV + PRESS. NC 000034 = V01 + FR0000 + V16 + AV + PRESS. NO 000035 = V01 + FR0000 + V16 + AV + PRESS. NC 000036 = F13 + FC03	

**Composition of the assembled group 000014 and 000025**

- Components:  
Filter  
Regulator  
Lubricator  
Pressure Gauge  
Bracket



- ✓ Ex Stock
- ✎ UK Assembly
- ⓞ Please Call Sales Office

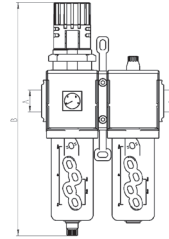


WITH BUILT IN PRESSURE GAUGE							
Part Number	Availability	A	B	C	D	F1	F2
MX2-3/8-000014	✎	3/8	289	74.5	210	70	104.5
MX2-1/2-000014	✎	1/2	289	74.5	210	70	104.5
MX2-3/4-000014	✎	3/4	289	74.5	210	70	104.5
MX3-3/4-000014	✎	3/4	345	81	268.5	68	106
MX3-1-000014	✎	1	345	81	268.5	68	106

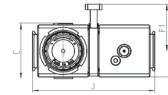
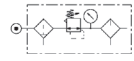
WITH EXTERNAL PRESSURE GAUGE							
Part Number	Availability	A	B	C	D	F1	F2
MX2-3/8-000025	✎	3/8	289	74.5	210	70	104.5
MX2-1/2-000025	✎	1/2	289	74.5	210	70	104.5
MX2-3/4-000025	✎	3/4	289	74.5	210	70	104.5
MX3-3/4-000025	✎	3/4	345	81	268.5	68	106
MX3-1-000025	✎	1	345	81	268.5	68	106

**Composition of the assembled group 000015 and 000026**

- Components:  
Filter-regulator  
Lubricator  
Pressure Gauge  
Bracket



- ✓ Ex Stock
- ✎ UK Assembly
- ⓞ Please Call Sales Office

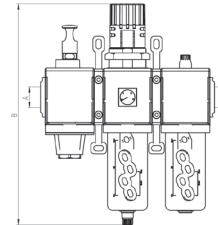


WITH BUILT IN PRESSURE GAUGE							
Part Number	Availability	A	B	C	D	F1	F2
MX2-1/2-000015	✎	3/8	289	74.5	140	70	104.5
MX2-3/8-000015	✎	1/2	289	74.5	140	70	104.5
MX2-3/4-000015	✎	3/4	289	74.5	140	70	104.5
MX3-3/4-000015	✎	3/4	345	81	179	68	106
MX3-1-000015	✎	1	345	81	179	68	106

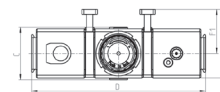
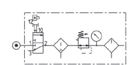
WITH EXTERNAL PRESSURE GAUGE							
Part Number	Availability	A	B	C	D	F1	F2
MX2-1/2-000026	✎	3/8	289	74.5	140	70	104.5
MX2-3/8-000026	✎	1/2	289	74.5	140	70	104.5
MX2-3/4-000026	✎	3/4	289	74.5	140	70	104.5
MX3-3/4-000026	✎	3/4	345	81	179	68	106
MX3-1-000026	✎	1	345	81	179	68	106

**Composition of the assembled group 000016 and 000027**

- Components:  
Lockable isolation 3/2 valve  
Filter-regulator  
Lubricator  
Pressure Gauge  
Bracket



- ✓ Ex Stock
- ✎ UK Assembly
- ⓞ Please Call Sales Office



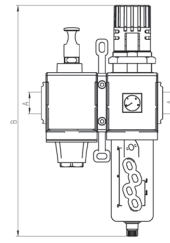
WITH BUILT IN PRESSURE GAUGE							
Part Number	Availability	A	B	C	D	F1	F2
MX2-3/8-000016	✎	3/8	289	74.5	210	70	104.5
MX2-1/2-000016	✎	1/2	289	74.5	210	70	104.5
MX2-3/4-000016	✎	3/4	289	74.5	210	70	104.5
MX3-3/4-000016	✎	3/4	345	81	268.5	68	106
MX3-1-000016	✎	1	345	81	268.5	68	106

WITH EXTERNAL PRESSURE GAUGE							
Part Number	Availability	A	B	C	D	F1	F2
MX2-3/8-000027	✎	3/8	289	74.5	210	70	104.5
MX2-1/2-000027	✎	1/2	289	74.5	210	70	104.5
MX2-3/4-000027	✎	3/4	289	74.5	210	70	104.5
MX3-3/4-000027	✎	3/4	345	81	268.5	68	106
MX3-1-000027	✎	1	345	81	268.5	68	106

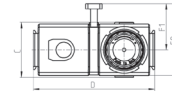
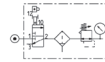
Please see page 217 for Series MX Accessories

Composition of the assembled group 000017 and 000028

- Components:
- Lockable isolation 3/2 valve
- Filter-regulator
- Pressure Gauge
- Bracket



- ✓ Ex Stock
- ✎ UK Assembly
- ⓞ Please Call Sales Office

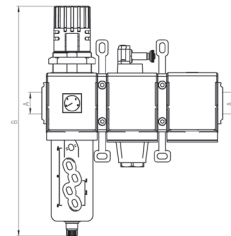


WITH BUILT IN PRESSURE GAUGE							
Part Number	Availability	A	B	C	D	F1	F2
MX2-3/8-000017	✎	3/8	289	74.5	140	70	104.5
MX2-1/2-000017	✎	1/2	289	74.5	140	70	104.5
MX2-3/4-000017	✎	3/4	289	74.5	140	70	104.5
MX3-3/4-000017	✎	3/4	345	81	179	68	106
MX3-1-000017	✎	1	345	81	179	68	106

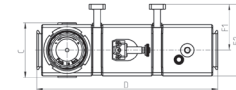
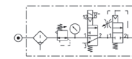
WITH EXTERNAL PRESSURE GAUGE							
Part Number	Availability	A	B	C	D	F1	F2
MX2-3/8-000028	✎	3/8	289	74.5	140	70	104.5
MX2-1/2-000028	✎	1/2	289	74.5	140	70	104.5
MX2-3/4-000028	✎	3/4	289	74.5	140	70	104.5
MX3-3/4-000028	✎	3/4	345	81	179	68	106
MX3-1-000028	✎	1	345	81	179	68	106

Composition of the assembled group 000018 and 000029

- Components:
- Filter-regulator
- Lockable isolation 3/2 valve
- Soft start valve
- Pressure Gauge
- Bracket



- ✓ Ex Stock
- ✎ UK Assembly
- ⓞ Please Call Sales Office

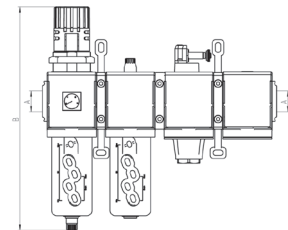
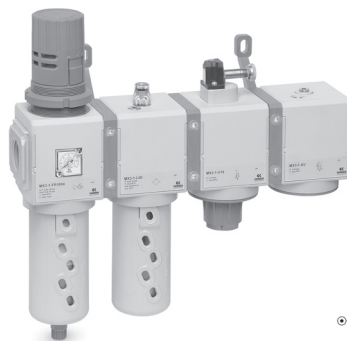


WITH BUILT IN PRESSURE GAUGE							
Part Number	Availability	A	B	C	D	F1	F2
MX2-3/8-000018	✎	3/8	289	74.5	210	70	104.5
MX2-1/2-000018	✎	1/2	289	74.5	210	70	104.5
MX2-3/4-000018	✎	3/4	289	74.5	210	70	104.5
MX3-3/4-000018	✎	3/4	345	81	268.5	68	106
MX3-1-000018	✎	1	345	81	268.5	68	106

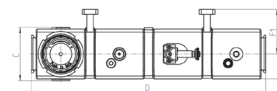
WITH EXTERNAL PRESSURE GAUGE							
Part Number	Availability	A	B	C	D	F1	F2
MX2-3/8-000029	✎	3/8	289	74.5	210	70	104.5
MX2-1/2-000029	✎	1/2	289	74.5	210	70	104.5
MX2-3/4-000029	✎	3/4	289	74.5	210	70	104.5
MX3-3/4-000029	✎	3/4	345	81	268.5	68	106
MX3-1-000029	✎	1	345	81	268.5	68	106

Composition of the assembled group 000019 and 000030

- Components:
- Filter-regulator
- Lubricator
- Lockable isolation 3/2 valve
- Soft start valve
- Pressure Gauge
- Bracket



- ✓ Ex Stock
- ✎ UK Assembly
- ⓞ Please Call Sales Office



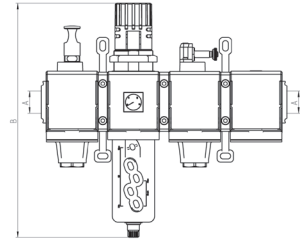
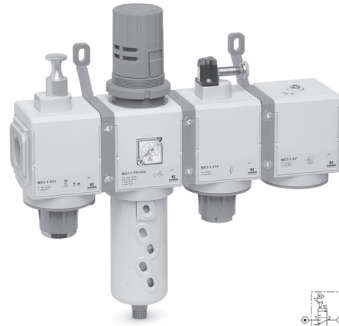
WITH BUILT IN PRESSURE GAUGE							
Part Number	Availability	A	B	C	D	F1	F2
MX2-3/8-000019	✎	3/8	289	74.5	280	70	104.5
MX2-1/2-000019	✎	1/2	289	74.5	280	70	104.5
MX2-3/4-000019	✎	3/4	289	74.5	280	70	104.5
MX3-3/4-000019	✎	3/4	345	81	358	68	106
MX3-1-000019	✎	1	345	81	358	68	106

WITH EXTERNAL PRESSURE GAUGE							
Part Number	Availability	A	B	C	D	F1	F2
MX2-3/8-000030	✎	3/8	289	74.5	280	70	104.5
MX2-1/2-000030	✎	1/2	289	74.5	280	70	104.5
MX2-3/4-000030	✎	3/4	289	74.5	280	70	104.5
MX3-3/4-000030	✎	3/4	345	81	358	68	106
MX3-1-000030	✎	1	345	81	358	68	106

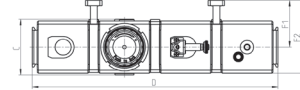
Please see page 217 for Series MX Accessories

**Composition of the assembled group 000020 and 000031**

- Components:  
 Lockable isolation 3/2 valve  
 Filter-regulator  
 Lockable isolation 3/2 valve  
 Soft start valve  
 Pressure Gauge  
 Bracket



- ✓ Ex Stock
- ✎ UK Assembly
- ⊗ Please Call Sales Office

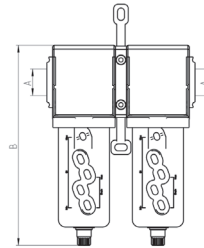


WITH BUILT IN PRESSURE GAUGE							
Part Number	Availability	A	B	C	D	F1	F2
MX2-3/8-000020	✎	3/8	289	74.5	280	70	104.5
MX2-1/2-000020	✎	1/2	289	74.5	280	70	104.5
MX2-3/4-000020	✎	3/4	289	74.5	280	70	104.5
MX3-3/4-000020	✎	3/4	345	81	358	68	106
MX3-1-000020	✎	1	345	81	358	68	106

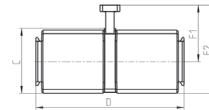
WITH EXTERNAL PRESSURE GAUGE							
Part Number	Availability	A	B	C	D	F1	F2
MX2-3/8-000031	✎	3/8	289	74.5	280	70	104.5
MX2-1/2-000031	✎	1/2	289	74.5	280	70	104.5
MX2-3/4-000031	✎	3/4	289	74.5	280	70	104.5
MX3-3/4-000031	✎	3/4	345	81	358	68	106
MX3-1-000031	✎	1	345	81	358	68	106

**Composition of the assembled group 000036**

- Components:  
 Filter  
 Coalescing filter  
 Bracket



- ✓ Ex Stock
- ✎ UK Assembly
- ⊗ Please Call Sales Office



FILTER SET							
Part Number	Availability	A	B	C	D	F1	F2
MX2-3/8-000036	✎	3/8	210	72	140	70	104.5
MX2-1/2-000036	✎	1/2	210	72	140	70	104.5
MX2-3/4-000036	✎	3/4	210	72	140	70	104.5
MX3-3/4-000036	✎	3/4	231	78	179	68	106
MX3-1-000036	✎	1	231	78	179	68	106

Please see below for Series MX Accessories

## Series MX Accessories for FRL

- ✓ Ex Stock
- ✎ UK Assembly
- ⊗ Please Call Sales Office

### Rapid Clamp Kit for Series MX - Size 2

Kit MX2-X supplied with: 1 rapid clamp, 1 O-ring OR 3125\*\*, 2 hexagonal nuts M5, 2 screws M5x69.

Kit MX2-Z supplied with: 1 rapid clamp, 1 O-ring OR 3125\*\*, 1 hexagonal nut M5, 1 screw M5x69, 1 screw M5x85 for wall fixing.

\*\* it can be ordered separately (cod. 160-39-11/19)

Materials: technopolymer clamp, NBR O-ring, zinc-plated stainless steel nuts and screws.

Part Number	Availability
MX2-X	✓
MX2-Z*	✓

\*kit with wall fixing screw



### Rapid Clamp Kit for Series MX - Size 3

Kit MX3-X supplied with: 1 rapid clamp, 1 O-ring OR 3150 \*\*, 2 square nuts M6, 2 screws M6x75.

Kit MX3-Z supplied with: 1 rapid clamp, 1 O-ring OR 3150 \*\*, 1 square nut M6, 1 screw M6x75, 1 screw M6x90 for wall fixing.

\*\* it can be ordered separately (cod. C401-F33)

Materials: technopolymer clamp, NBR O-ring, zinc-plated stainless steel nuts and screws.

Part Number	Availability
MX3-X	✓
MX3-Z	✓



**Rapid Clamp Kit with wall fixing brackets for Series MX - Size 2**

The kit MX2-Y is supplied with:  
1 wall rapid clamp, 1 O-ring OR 3125 \*\*, 2 hexagonal nuts, 2 screws M5x69.

\*\* it can be separately ordered (cod. 160-39-11/19)

Materials: technopolymer clamp, NBR O-ring, zinc-plated stainless steel nuts and screws.



Part Number	Availability
MX2-Y	✓

**Rapid Clamp Kit with wall fixing brackets for Series MX - Size 3**

The kit MX3-Y is supplied with:  
1 wall rapid clamp, 1 O-ring OR 3150 \*\*, 2 square nuts M6, 2 screws M6x75

\*\* it can be also separately ordered (cod. C401-F33)

Materials: technopolymer clamp, NBR O-ring, zinc-plated stainless steel nuts and screws.

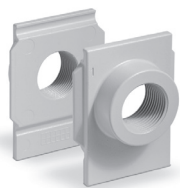


Part Number	Availability
MX3-Y	✓

**Terminal Flanges (IN/OUT) for Series MX**

The kit is supplied with:  
- 1 flange INLET side  
- 1 flange OUTLET side

Materials: painted aluminium flanges.



Part Number	Availability
MX2-3/8-FL	✓
MX2-1/2-FL	✓
MX2-3/4-FL	✓
MX3-3/4-FL	✓
MX3-1-FL	✓

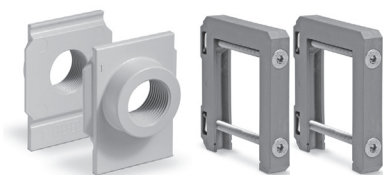
**Fixing bracket for regulators Series MX**

The kit is supplied with 1 zinc-plated stainless steel bracket



Part Number	Availability
MX2-S	✓
MX3-S	✓

**Rapid clamps kit + flanges for Series MX**

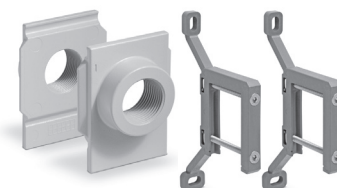


Part Number	Availability
MX2-3/8-HH	✓
MX2-1/2-HH	✓
MX2-3/4-HH	✓
MX2-3/8-JJ*	✓
MX2-1/2-JJ*	✓
MX2-3/4-JJ*	✓

Part Number	Availability
MX3-3/4-HH	✓
MX3-1-HH	✓
MX3-3/4-JJ*	✓
MX3-1-JJ*	✓

\*kit with wall fixing screw

**Rapid clamps kit with wall fixing brackets + flanges for Series MX**



Part Number	Availability
MX2-3/8-KK	✓
MX2-1/2-KK	✓
MX2-3/4-KK	✓

Part Number	Availability
MX3-3/4-KK	✓
MX3-1-KK	✓

**Block for Pressure Gauge Fixing**

The kit is supplied with:  
- 1 block  
- 1 grain  
- 2 screws  
- 1 seal

**New**



Part Number	Availability
MX2-R26/1-P	✓
MX3-R26/1-P	✓

**MX Built-in Pressure Gauge**

The kit is supplied with:  
- 1 pressure gauge  
- 1 seal  
- 2 screws

**New**



Part Number	Availability	Range
MX3-R30/W-P	✓	0 - 2.5 bar
MX3-R31/W-P	✓	0 - 6 bar
MX3-R32/W-P	✓	0 - 10 bar
MX3-R33/W-P	✓	0 - 12 bar

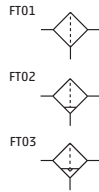
# Series MC Filters

Connections: 1/4, 3/8, 1/2

Modular

With metal bowl and bayonet-type mounting

Full Data Sheet and Dimensions at <https://store.camozzi.co.uk>



- ✓ Ex Stock
- 🔧 UK Assembly
- 📞 Please Call Sales Office



## CODING EXAMPLE

**MC 2 02 - F 0 0**

<b>MC</b>	SERIES: MC	<b>F</b>	FILTER
<b>2</b>	SIZE: 1 = 1/4 2 = 3/8 - 1/2	<b>0</b>	FILTERING ELEMENT: 0 = 25µm (standard)    1 = 5µm
<b>02</b>	CONNECTIONS: 04 = 1/4 38 = 3/8 02 = 1/2	<b>0</b>	DRAINING OF CONDENSATE: 0 = semi-automatic manual drain (standard - only for polymer bowl) 3 = automatic drain 5 = depressuring drain, protected (only for polymer bowl) 8 = without drain with connection 1/8

Semi Auto Drain	Availability	Symbol	1/4	3/8	1/2
25 micron	✓	<b>FT02</b>	<b>MC104 F00</b>	<b>MC238 F00</b>	<b>MC202 F00</b>
5 micron	✓	<b>FT02</b>	<b>MC104 F10</b>	<b>MC238 F10</b>	<b>MC202 F10</b>

Depressurisation Drain	Availability	Symbol	1/4	Automatic Drain	3/8	1/2
25 micron	✓	<b>FT03</b>	<b>MC104 F04</b>		<b>MC238 F10</b>	<b>MC202 F10</b>
5 micron	✓	<b>FT03</b>	<b>MC104 F14</b>		<b>MC238 F13</b>	<b>MC202 F13</b>

Accessories	1/4	3/8	1/2
	<b>S6510 6-1/4</b>	<b>S6510 10-3/8</b>	<b>S6510 12-1/2</b>
	<b>S6520 6-1/4</b>	<b>S6520 10-3/8</b>	<b>S6520 12-1/2</b>

Please see page 229 for additional Series MC accessories

# Series MC Activated Carbon Filters

**New**

Connections: 1/4, 3/8 and 1/2

Modular

Metal bowl with bayonet-type mounting

Full Data Sheet and Dimensions at <https://store.camozzi.co.uk>



- ✓ Ex Stock
- 🔧 UK Assembly
- 📞 Please Call Sales Office

## CODING EXAMPLE

**MC 2 02 - F CA**

<b>MC</b>	SERIES: MC	<b>F</b>	FILTER
<b>2</b>	SIZE: 1 = 1/4 2 = 3/8 - 1/2		
<b>02</b>	CONNECTIONS: 04 = 1/4 38 = 3/8 02 = 1/2	<b>CA</b>	CA = Activated carbon

Availability	Symbol	1/4	3/8	1/2
✓	<b>FC01</b>	<b>MC104-FCA</b>	<b>MC238-FCA</b>	<b>MC202-FCA</b>

Please see page 229 for Series MC Accessories



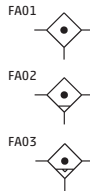
# Series MC Coalescing Filters

Connections: 1/4, 3/8, 1/2

Modular

With metal bowl and bayonet-type mounting

Full Data Sheet and Dimensions at <https://store.camozzi.co.uk>



- ✓ Ex Stock
- ✎ UK Assembly
- 📞 Please Call Sales Office

### CODING EXAMPLE

<b>MC</b>	<b>2</b>	<b>02</b>	<b>-</b>	<b>F</b>	<b>B</b>	<b>0</b>
<b>MC</b>	SERIES: MC		<b>F</b> FILTER			
<b>2</b>	SIZE: 1 = 1/4                      2 = 3/8 - 1/2		<b>B</b> FILTERING ELEMENT: B = 0.01µm			
<b>02</b>	CONNECTIONS: 04 = 1/4 38 = 3/8 02 = 1/2		<b>0</b> DRAINING OF CONDENSATE: 0 = manual - semi-automatic 3 = automatic (only for 3/8 and 1/2) 4 = depressurisation (only 1/4) 5 = depressurisation, protected 8 = no drain, connection 1/8, see page 251			

Coalescing Filter 0.01 Micron	Availability	Symbol	1/4	3/8	1/2
Semi Auto Drain	✓	FA02	MC104 FBO	MC238 FBO	MC202 FBO

Accessories	1/4	3/8	1/2
-------------	-----	-----	-----



S6510 6-1/4	S6510 10-3/8	S6510 12-1/2
-------------	--------------	--------------



S6520 6-1/4	S6520 10-3/8	S6520 12-1/2
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Please see page 229 for additional Series MC accessories

AIR TREATMENT



# Series MC Lubricators

Connections: 1/4, 3/8, 1/2

Modular

With metal bowl and bayonet-type mounting

Full Data Sheet and Dimensions at <https://store.camozzi.co.uk>



- ✓ Ex Stock
- ✎ UK Assembly
- 📞 Please Call Sales Office

### CODING EXAMPLE

<b>MC</b>	<b>2</b>	<b>02</b>	<b>-</b>	<b>L</b>	<b>00</b>
<b>MC</b>	SERIES: MC		<b>L</b> LUBRICATOR		
<b>1</b>	SIZE: 1 = 1/4                      2 = 3/8 - 1/2		<b>00</b> DESIGN TYPE: 00 = atomized oil		
<b>02</b>	CONNECTIONS: 04 = 1/4 38 = 3/8 02 = 1/2				

Availability	1/4	3/8	1/2
✓	MC104 L00	MC238 L00	MC202 L00

Please see page 229 for Series MC Accessories

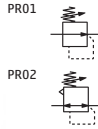
# Series MC Pressure Regulators

Connections: 1/4, 3/8, 1/2

Modular

Full Data Sheet and Dimensions at <https://store.camozzi.co.uk>

AIR TREATMENT



## CODING EXAMPLE

**MC 2 02 - R T 0 2 - VS - ■ - ●**

<b>MC</b>	SERIES: MC	<b>0</b>	DESIGN TYPE: 0 = self-relieving (standard) 1 = non-relieving 5 = precise-relieving
<b>2</b>	SIZE: 1 = 1/4 2 = 3/8 - 1/2		
<b>02</b>	CONNECTIONS: 04 = 1/4 38 = 3/8 02 = 1/2	<b>2</b>	PRESSURE GAUGE: = without pressure gauge 1 = with pressure gauge 0-2.5, with working pressure 0-2 bar 2 = with pressure gauge 0-6, with working pressure 0-4 bar 3 = with pressure gauge 0-10, with working pressure 0.5-7 bar 4 = with pressure gauge 0-12, with working pressure 0.5 - 10 bar
<b>R</b>	REGULATOR		
<b>T</b>	OPERATING PRESSURE: 0 = 0.5 - 10 (standard) 1 = 0 - 4 2 = 0 - 2 (only 1/4) 7 = 0.5 - 7 (only 1/4) T = calibrated* B = locked*	<b>VS</b>	TYPE OF REGULATOR: = without by-pass valve (standard) VS = with by-pass valve (only 1/4)

\*\* NOTE: IF THE REGULATOR IS CALIBRATED OR LOCKED, AFTER THE PORTS ADD THE INLET PRESSURE "■" AND THE OUTLET PRESSURE "●"

INLET PRESSURE:

■ = enter the SUPPLY pressure value

OUTLET PRESSURE:





● = enter the OUTLET pressure value for the LOCKED regulator or

the maximum value of the ADJUSTABLE pressure for the CALIBRATED regulator

Example of a calibrated regulator with Inlet Pressure = 6.3 bar and Outlet Pressure = 4.5 bar  
Complete part number: MC104-MT03-6.3-4.5

\*\* the pressure gauges are supplied disassembly  
for size 1 pressure gauge mod. M043-P..  
for size 2 pressure gauge mod.M053-P..

- ✓ Ex Stock
- 🔧 UK Assembly
- ☎ Please Call Sales Office

Self Relieving	Availability	Symbol	1/4	3/8	1/2
0.5 - 10 bar	✓	PR02	MC104 R00	MC238 R00	MC202 R00
0 - 4 bar	✓	PR02	MC104 R10	MC238 R10	MC202 R10
Non Relieving	Availability	Symbol	1/4	3/8	1/2
0.5 - 10 bar	✓	PR01	MC104 R01	MC238 R01	MC202 R01
0 - 4 bar	✓	PR01	MC104 R11	MC238 R11	MC202 R11
Accessories			1/4	3/8	1/2
			S6510 6-1/4	S6510 10-3/8	S6510 12-1/2
			S6520 6-1/4	S6520 10-3/8	S6520 12-1/2
			C238-ST/1	C238-ST/1	C238-ST/1
			M043-P12	M053-P12	M053-P12

Please see page 229 for additional Series MC accessories



Main



Section

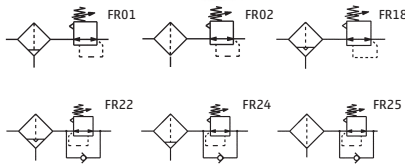
# Series MC Filter/Regulators

Connections: 1/4, 3/8, 1/2

Modular

Metal bowl and bayonet-type mounting

Full Data Sheet and Dimensions at <https://store.camozzi.co.uk>



- ✓ Ex Stock
- 🇬🇧 UK Assembly
- ☎ Please Call Sales Office

### CODING EXAMPLE

**MC 2 02 - D 0 0 2 - 4 - VS**

<b>MC</b>	SERIES: MC	<b>0</b>	<b>DRAINING OF CONDENSATE:</b> 0 = manual semi-automatic self-relieving (standard) 1 = manual semi-automatic, non-relieving 3 = automatic, self-relieving (only 3/8 and 1/2) 4 = depressurisation self-relieving (only 1/4) 5 = depressurisation, protected, self-relieving 8 = no drain, connection 1/8, self-relieving see page 251
<b>2</b>	SIZE: 1 = 1/4 2 = 3/8 - 1/2	<b>2</b>	<b>PRESSURE GAUGE:</b> = without pressure gauge 1 = with pressure gauge 0-2.5, with working pressure 0-2 bar 2 = with pressure gauge 0-6, with working pressure 0-4 bar 3 = with pressure gauge 0-10, with working pressure 0.5-7 bar 4 = with pressure gauge 0-12, with working pressure 0.5 - 10 bar
<b>02</b>	CONNECTIONS: 04 = 1/4 02 = 1/2 38 = 3/8	<b>D</b>	<b>FILTER/REGULATOR</b>
<b>0</b>	FILTERING ELEMENT: 0 = 25µm (standard) 1 = 5µm	<b>4</b>	<b>OPERATING PRESSURE:</b> = 0.5 - 10 2 = 0 - 2 (only 1/4) 4 = 0 - 4 7 = 0.5 - 7 (only 1/4)
		<b>VS</b>	<b>TYPE OF REGULATOR:</b> = without by-pass valve (standard) VS = with by-pass valve (only 1/4)

\*\* the pressure gauges are supplied disassembly, for size 1 pressure gauges M043-P.., for size 2 pressure gauges M053-P..

Semi Auto Drain		Availability	Symbol	1/4	3/8	1/2	
Self Relieving							
25 micron	✓	FR01	MC104 D00	MC238 D00	MC202 D00		
5 micron	✓	FR01	MC104 D10	MC238 D10	MC202 D10		
Semi Auto Drain		Availability	Symbol	1/4	3/8	1/2	
Non Relieving							
25 micron	✓	FR011	MC104 D01	MC238 D01	MC202 D01		
5 micron	✓	FR011	MC104 D11	MC238 D11	MC202 D11		
Depressurisation		Availability	Symbol	1/4	Automatic Drain	3/8	1/2
25 micron	✓	FR018	MC104 D04	MC238 D03	MC202 D03		
5 micron	✓	FR018	MC104 D14	MC238 D13	MC202 D13		
Depressurisation		Availability	Symbol	1/4	3/8	1/2	
Drain Protected							
25 micron	☎	FR018	MC104 D05	MC238 D05	MC202 D05		
5 micron	☎	FR018	MC104 D15	MC238 D15	MC202 D15		
Connection 1/8		Availability	Symbol	1/4	3/8	1/2	
25 micron	☎	FR02	MC104 D08	MC238 D08	MC202 D08		
5 micron	☎	FR02	MC104 D18	MC238 D18	MC202 D18		
Accessories		Availability	Symbol	1/4	3/8	1/2	
			S6510 6-1/4	S6510 10-3/8	S6510 12-1/2		
			S6520 6-1/4	S6520 10-3/8	S6520 12-1/2		
			C238-ST/1	C238-ST/1	C238-ST/1		
			M043-P12	M053-P12	M053-P12		

Please see page 229 for additional Series MC accessories



Main



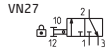
Section

# Series MC Lockable Isolation 3/2-way Valves

Electropneumatic, pneumatic and manual version  
Connections: 1/4, 3/8, 1/2  
Modular

Full Data Sheet and Dimensions  
at <https://store.camozzi.co.uk>

AIR TREATMENT



- ✓ Ex Stock
- 🔧 UK Assembly
- 📞 Please Call Sales Office

### CODING EXAMPLE

<b>MC</b>	<b>1</b>	<b>04</b>	<b>-</b>	<b>V</b>	<b>01</b>
<b>MC</b>	SERIES: MC				
<b>2</b>	SIZE: 1 = 1/4 2 = 3/8 - 1/2			<b>V</b>	3-WAY VALVE
<b>02</b>	CONNECTIONS: 04 = 1/4 38 = 3/8 02 = 1/2			<b>16</b>	DESIGN TYPE: 01 = padlock valve (manual operation)

Availability	1/4	3/8	1/2
✓	<b>MC104 V01</b>	<b>MC238 V01</b>	<b>MC202 V01</b>

Please see page 229 for Series MC Accessories



Main

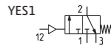
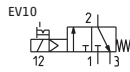


Section

# Series MC 3/2 Valves Pneumatically or Electropneumatically Operated

Connections: 1/4, 3/8, 1/2  
Modular

Full Data Sheet and Dimensions  
at <https://store.camozzi.co.uk>



- ✓ Ex Stock
- 🔧 UK Assembly
- 📞 Please Call Sales Office

### CODING EXAMPLE

<b>MC</b>	<b>2</b>	<b>02</b>	<b>-</b>	<b>V</b>	<b>16</b>
<b>MC</b>	SERIES: MC				
<b>2</b>	SIZE: 1 = 1/4 2 = 3/8 - 1/2			<b>V</b>	3/2 VALVE
<b>02</b>	CONNECTIONS: 04 = 1/4 38 = 3/8 02 = 1/2			<b>16</b>	DESIGN TYPE: 16 = electropneumatic 36 = pneumatic

	Availability	Symbol	1/4	3/8	1/2
Electropneumatic	✓	<b>EV10</b>	<b>MC104 V16</b>	<b>MC238 V16</b>	<b>MC202 V16</b>
Pneumatic	✓	<b>YES1</b>	<b>MC104 V36</b>	<b>MC238 V36</b>	<b>MC202 V36</b>

Accessories	1/4	3/8	1/2
-------------	-----	-----	-----



**S6510 6-1/4**

**S6510 10-3/8**

**S6510 12-1/2**



**S6520 6-1/4**

**S6520 10-3/8**

**S6520 12-1/2**



**Note:** Required for  
Electro-Pneumatic  
Control Only

**U7\***

**U7\***

**U7\***

Please see page 133 for voltage options

# Series MC Soft Start Valves

Connections: 1/4, 3/8, 1/2  
Modular

Full Data Sheet and Dimensions at <https://store.camozzi.co.uk>



### CODING EXAMPLE

MC	2	02	-	AV
----	---	----	---	----

<b>MC</b>	SERIES: MC	
<b>2</b>	SIZE: 1 = 1/4 2 = 3/8 - 1/2	<b>AV</b> SOFT START VALVE
<b>02</b>	CONNECTIONS: 04 = 1/4 38 = 3/8 02 = 1/2	

- ✓ Ex Stock
- ✎ UK Assembly
- ☎ Please Call Sales Office



Availability	1/4	3/8	1/2
✓	<b>MC104 AV</b>	<b>MC238 AV</b>	<b>MC202 AV</b>
✓			
Accessories	1/4	3/8	1/2
	S6510 6-1/4	S6510 10-3/8	S6510 12-1/2
	S6520 6-1/4	S6520 10-3/8	S6520 12-1/2

Please see page 229 for additional Series MC accessories

AIR TREATMENT



# Series MC Take-off Blocks

Connections: 1/4 and 1/2

Full Data Sheet and Dimensions at <https://store.camozzi.co.uk>

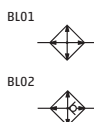


### CODING EXAMPLE

MC	2	-	B	-	VNR
----	---	---	---	---	-----

<b>MC</b>	SERIES: MC	
<b>2</b>	SIZE: 1 = 1/4 2 = 1/2	<b>VNR</b> VERSION: = standard VNR = with non return valve
<b>B</b>	TAKE OFF BLOCK	

- ✓ Ex Stock
- ✎ UK Assembly
- ☎ Please Call Sales Office



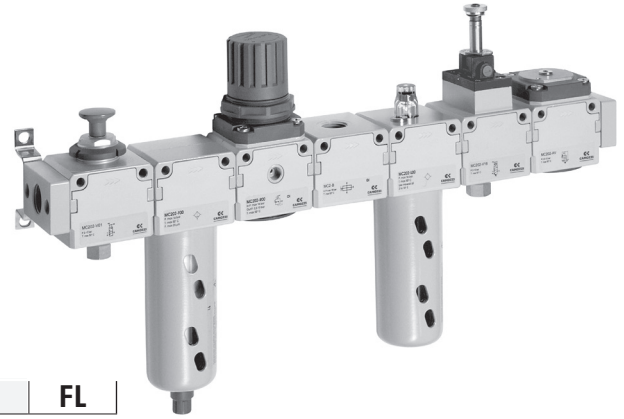
Availability	Symbol	1/4	1/2
✓	<b>BL01</b>	<b>MC1-B</b>	<b>MC2-B</b>
✓	<b>BL02</b>	<b>MC1-B-VNR</b>	<b>MC2-B-VNR</b>
Accessories		1/4	1/2
		S6510 6-1/4	S6510 12-1/2
		S6520 6-1/4	S6520 12-1/2

Please see page 229 for additional Series MC accessories

# Series MC FRL Assembled

Connections: 1/4, 3/8, 1/2

The FRL Series MC in the assembled versions are easier to order (one single code) and to mount.



## CODING EXAMPLE

MC	2	02	-	C	-	5	-	FL
----	---	----	---	---	---	---	---	----

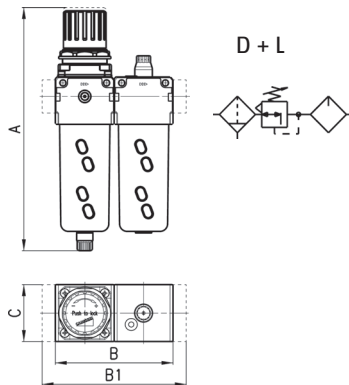
<b>MC</b>	SERIES: MC	
<b>2</b>	SIZE: 1 = 1/4 2 = 3/8 - 1/2	<b>C</b> ASSEMBLY GROUP: C = D + L E = V01 + D + L FRL = F + R + L GN = D + L + V16 + AV HNA = V01 + D + L + V16 + AV + PRESS N.A. HNC = V01 + D + L + V16 + AV + PRESS N.C. N = V01 + D PN = D + V16 + AV QN = V01 + D + V16 + AV TN = V01 + D + L + V16 + AV ZNA = V01 + D + V16 + AV + PRESS N.A. ZNC = V01 + D + V16 + AV + PRESS N.C.
<b>02</b>	CONNECTIONS: 04 = 1/4 38 = 3/8 02 = 1/2	
<b>5</b>	FILTERING ELEMENT: 5 = 5 µm (upon request) 25 = 25 µm (standard)	
<b>FL</b>	VERSION: FL = with terminal flanges	

## ASSEMBLY GROUP KEY

D	Filter-regulator 0-10 bar semi-automatic manual drain filtering element 25µm	F	Filter 25 µm
V01	Valve 3/2 way manually operated	R	Regulator 0 - 10 bar
V16	Valve 3/2 way electropneumatically operated	AV	Soft start valve
L	Lubricator	PRESS	Pressure switches (defined if N.C. or N.A.)
		F13	Filter 5µm or 25µm with automatic drain

### Assembly group C (see above for descriptions)

Including gauge and bracket



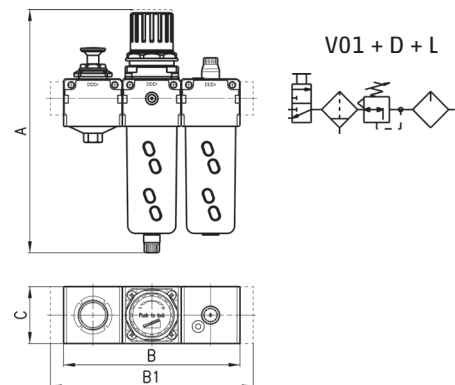
- ✓ Ex Stock
- 🇬🇧 UK Assembly
- ☎ Please Call Sales Office

DIMENSIONS						
Part Number	Availability	A	B	B1	C	Connection
MC104-C-25	🇬🇧	193.5	90	-	45	1/4
MC104-C-25-FL	🇬🇧	193.5	-	114	45	1/4
MC238-C-25	🇬🇧	256.5	124	-	60	3/8
MC238-C-25-FL	🇬🇧	256.5	-	152	60	3/8
MC202-C-25	🇬🇧	256.5	124	-	60	1/2
MC202-C-25-FL	🇬🇧	256.5	-	152	60	1/2

Please see page 229 for Series MC Accessories

### Assembly group E (see above for descriptions)

Including gauge and bracket

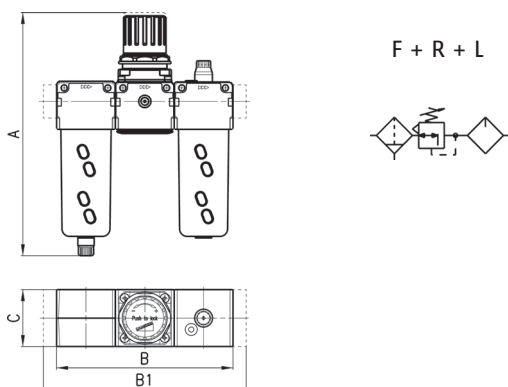


- ✓ Ex Stock
- 🇬🇧 UK Assembly
- ☎ Please Call Sales Office

DIMENSIONS						
Part Number	Availability	A	B	B1	C	Connection
MC104-E-25	🇬🇧	193.5	135	-	45	1/4
MC104-E-25-FL	🇬🇧	193.5	-	159	45	1/4
MC238-E-25	🇬🇧	256.5	186	-	60	3/8
MC238-E-25-FL	🇬🇧	256.5	-	214	60	3/8
MC202-E-25	🇬🇧	256.5	186	-	60	1/2
MC202-E-25-FL	🇬🇧	256.5	-	214	60	1/2

**Assembly group FRL** (see page 225 for descriptions)

Including gauge and bracket

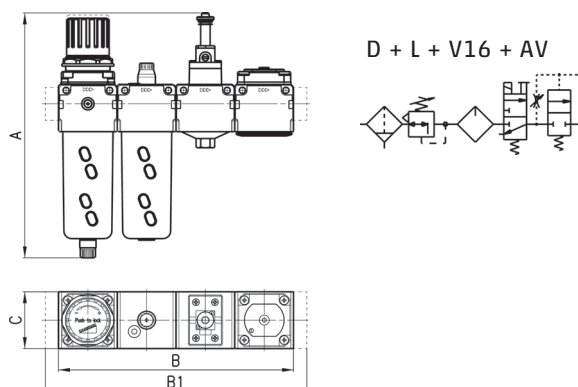


- ✓ Ex Stock
- 🇬🇧 UK Assembly
- ☎ Please Call Sales Office

DIMENSIONS						
Part Number	Availability	A	B	B1	C	Connection
MC104-FRL-25	🇬🇧	193.5	135	-	45	1/4
MC104-FRL-25-FL	🇬🇧	193.5	-	159	45	1/4
MC238-FRL-25	🇬🇧	256.5	186	-	60	3/8
MC238-FRL-25-FL	🇬🇧	256.5	-	214	60	3/8
MC202-FRL-25	🇬🇧	256.5	186	-	60	1/2
MC202-FRL-25-FL	🇬🇧	256.5	-	214	60	1/2

**Assembly group GN** (see page 225 for descriptions)

Including gauge and bracket

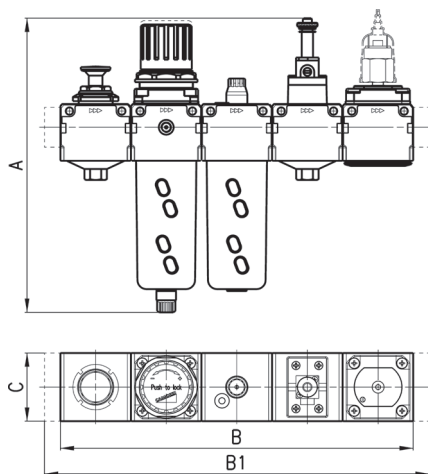


- ✓ Ex Stock
- 🇬🇧 UK Assembly
- ☎ Please Call Sales Office

DIMENSIONS						
Part Number	Availability	A	B	B1	C	Connection
MC104-PN-25	🇬🇧	208	135	-	45	1/4
MC104-PN-25-FL	🇬🇧	208	-	159	45	1/4
MC238-PN-25	🇬🇧	259	186	-	60	3/8
MC238-PN-25-FL	🇬🇧	259	-	214	60	3/8
MC202-PN-25	🇬🇧	259	186	-	60	1/2
MC202-PN-25-FL	🇬🇧	259	-	214	60	1/2

**Assembly group HN...** (see page 225 for descriptions)

Including gauge and bracket

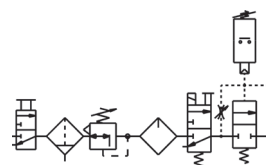


- ✓ Ex Stock
- 🇬🇧 UK Assembly
- ☎ Please Call Sales Office

DIMENSIONS						
Part Number	Availability	A	B	B1	C	Connection
MC104-QN-25	🇬🇧	208	180	-	45	1/4
MC104-QN-25-FL	🇬🇧	208	-	204	45	1/4
MC238-QN-25	🇬🇧	259	248	-	60	3/8
MC238-QN-25-FL	🇬🇧	259	-	276	60	3/8
MC202-QN-25	🇬🇧	259	248	-	60	1/2
MC202-QN-225-FL	🇬🇧	259	-	276	60	1/2

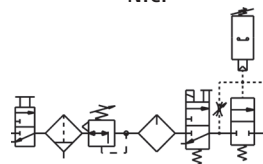
Please see page 229 for Series MC Accessories

V01 + D + L + V16 + AV + PRESS N.A.



HNA  
Pressure switch normally open

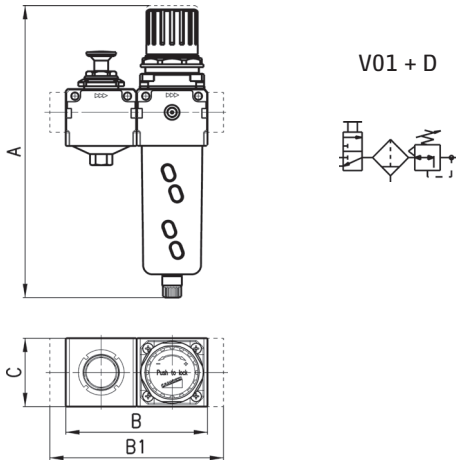
V01 + D + L + V16 + AV + PRESS N.C.



HNC  
Pressure switch normally closed

**Assembly group N** (see page 225 for descriptions)

Including gauge and bracket



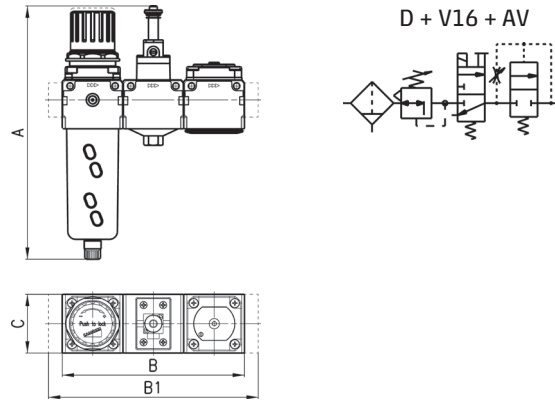
- ✓ Ex Stock
- ✎ UK Assembly
- ☎ Please Call Sales Office

DIMENSIONS						
Part Number	Availability	A	B	B1	C	Connection
MC104-N-25	☎	193.5	90	-	45	1/4
MC104-N-25-FL	☎	193.5	-	114	45	1/4
MC238-N-25	☎	256.5	124	-	60	3/8
MC238-N-25-FL	☎	256.5	-	152	60	3/8
MC202-N-25	☎	256.5	124	-	60	1/2
MC202-N-25-FL	☎	256.5	-	152	60	1/2

**Assembly group PN**

(see page 225 for descriptions)

Including gauge and bracket



- ✓ Ex Stock
- ✎ UK Assembly
- ☎ Please Call Sales Office

DIMENSIONS						
Part Number	Availability	A	B	B1	C	Connection
MC104-PN-25	☎	208	135	-	45	1/4
MC104-PN-25-FL	☎	208	-	159	45	1/4
MC238-PN-25	☎	259	186	-	60	3/8
MC238-PN-25-FL	☎	259	-	214	60	3/8
MC202-PN-25	☎	259	186	-	60	1/2
MC202-PN-25-FL	☎	259	-	214	60	1/2



Main

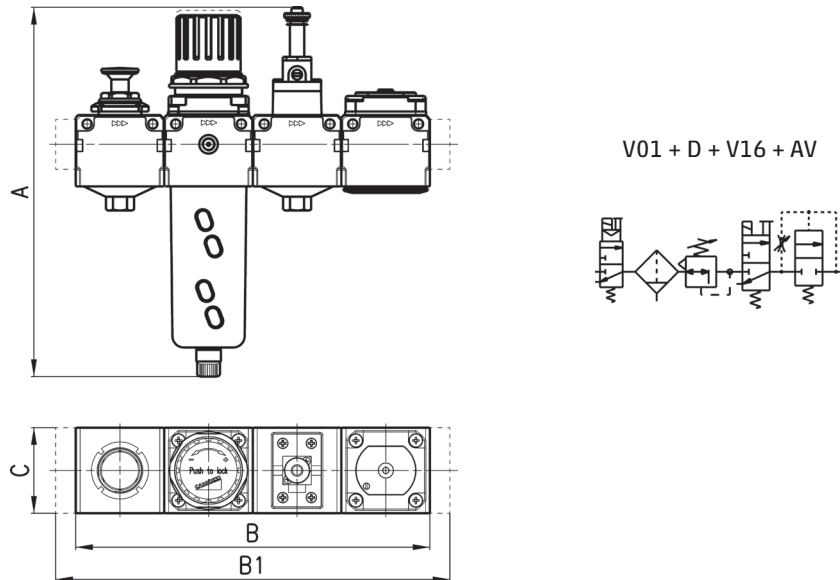


Section

**Assembly group QN**

(see page 225 for descriptions)

Including gauge and bracket



- ✓ Ex Stock
- ✎ UK Assembly
- ☎ Please Call Sales Office

DIMENSIONS						
Part Number	Availability	A	B	B1	C	Connection
MC104-QN-25	☎	208	180	-	45	1/4
MC104-QN-25-FL	☎	208	-	204	45	1/4
MC238-QN-25	☎	259	248	-	60	3/8
MC238-QN-25-FL	☎	259	-	276	60	3/8
MC202-QN-25	☎	259	248	-	60	1/2
MC202-QN-225-FL	☎	259	-	276	60	1/2

Please see page 229 for Series MC Accessories

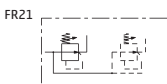
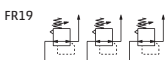


# Series MC Assembly Manifold Regulators

Regulators for manifold assembly

Connections: 1/4

Modular



### CODING EXAMPLE

<b>MC</b>	<b>1</b>	<b>04</b>	<b>-</b>	<b>M</b>	<b>T</b>	<b>0</b>	<b>2</b>	<b>-</b>	<b>■</b>	<b>-</b>	<b>●</b>
<b>MC</b>	SERIES: MC			<b>0</b>		CONSTRUCTION: 0 = self-relieving (standard) 1 = non-relieving 5 = precise relieving					
<b>1</b>	SIZE: 1 = 1/4			<b>2</b>		PRESSURE GAUGE: = without pressure gauge 1 = with pressure gauge 0-2.5, with working pressure 0-2 bar 2 = with pressure gauge 0-6, with working pressure 0-4 bar 3 = with pressure gauge 0-10, with working pressure 0.5-7 bar 4 = with pressure gauge 0-12, with working pressure 0.5 - 10 bar					
<b>04</b>	CONNECTIONS: 04 = 1/4			<b>M</b>		MANIFOLD REGULATOR					
<b>T</b>	OPERATING PRESSURE: 0 = 0.5 - 10 (standard) 1 = 0 - 4 2 = 0.5 - 2 7 = 0.5 - 7										

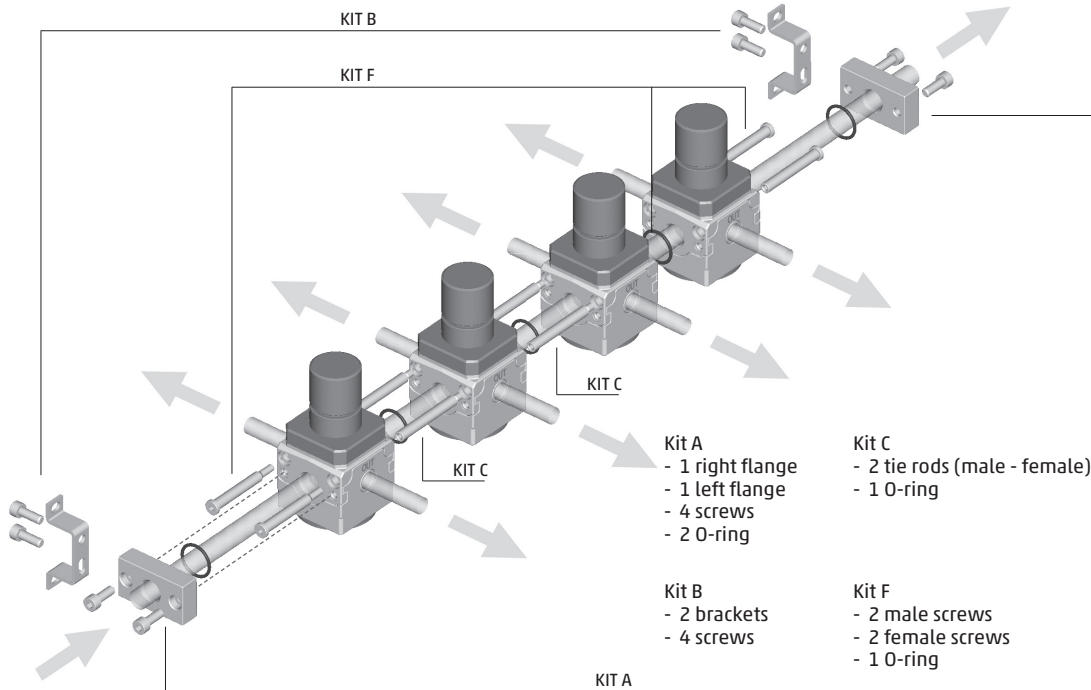
\*\* NOTE: IF THE REGULATOR IS CALIBRATED OR LOCKED, AFTER THE PORTS ADD THE INLET PRESSURE "■" AND THE OUTLET PRESSURE "●"

INLET PRESSURE:  
■ = enter the SUPPLY pressure value  
OUTLET PRESSURE:  
● = enter the OUTLET pressure value for the LOCKED regulator or the maximum value of the ADJUSTABLE pressure for the CALIBRATED regulator

Example of a calibrated regulator with Inlet Pressure = 6.3 bar and Outlet Pressure = 4.5 bar  
Complete part number: MC104-MT03-6.3-4.5

\*\* the pressure gauges are supplied disassembly for size 1 pressure gauge mod. M043-P.. for size 2 pressure gauge mod. M053-P..

AIR TREATMENT



- ✓ Ex Stock
- ✂ UK Assembly
- 📞 Please Call Sales Office

Manifold Regulator	Availability	Symbol	Kit A	Kit B	Kit C	Kit F
MC104 M00	✓	FR19	MC104-FL	MC104-ST	MC1-TMF	MC1-VMF
MC104 M10	📞	FR19	MC104-FL	MC104-ST	MC1-TMF	MC1-VMF
MC104 M01	📞	FR21	MC104-FL	MC104-ST	MC1-TMF	MC1-VMF
MC104 M11	📞	FR21	MC104-FL	MC104-ST	MC1-TMF	MC1-VMF

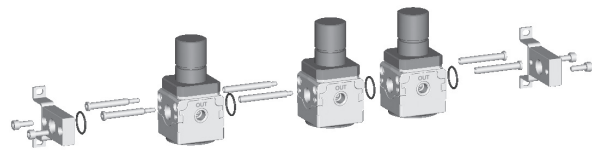
Assembly without terminal flanges



Body	Kit
H + H	1 Kit "F"
H + H + H	1 Kit "F" + 1 Kit "C"
H + H + H + H	1 Kit "F" + 2 Kit "C"
H + H + H + H + H	1 Kit "F" + 3 Kit "C"

Please see below for Series MC Accessories

Assembly with terminal flanges



Body	Kit
H + H	1 Kit "A" + 1 Kit "F"
H + H + H	1 Kit "A" + 1 Kit "F" + 1 Kit "C"
H + H + H + H	1 Kit "A" + 1 Kit "F" + 2 Kit "C"
H + H + H + H + H	1 Kit "A" + 1 Kit "F" + 3 Kit "C"

## Series MC Accessories for FRL

- ✓ Ex Stock
- 🇬🇧 UK Assembly
- 📞 Please Call Sales Office



Terminal Flanges (pair).  
Series MC  
(kit A)  
Complete with: N° 4 screws,  
N° 2 O-Ring



Part Number	Availability	Connection
MC104-FL	✓	1/4
MC238-FL	✓	3/8
MC202-FL	✓	1/2

2 Mounting Brackets.  
Series MC  
(kit B)  
For 1/4, 3/8 and 1/2.  
Complete with: N° 4 screws M5



Part Number	Availability	Connection
MC104-ST	✓	1/4
MC238-ST	✓	3/8
MC202-ST	✓	1/2

Tie-rod for assembling Series MC  
(kit C)  
Male and female tie-rods  
complete with:  
N° 2 tie-rods, N° 1 O-Ring



Part Number	Availability	Connection
MC1-TMF	✓	1/4
MC2-TMF	✓	3/8-1/2

Tie-rod for assembling Series MC  
(kit D)  
Female tie-rods  
complete with:  
N° 2 tie-rods



Part Number	Availability	Connection
MC1-TFF	✓	1/4
MC2-TFF	✓	3/8-1/2

Screw for assembling Series MC  
(kit E)  
Complete with:  
N° 2 screws,  
N° 1 O-Ring



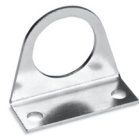
Part Number	Availability	Connection
MC1-VM	✓	1/4
MC2-VM	✓	3/8-1/2

Screw for assembling Series MC (kit F)  
Complete with:  
N° 2 male screws,  
N° 2 female screws,  
N° 1 O-Ring



Part Number	Availability	Connection
MC1-VMF	✓	1/4
MC2-VMF	✓	3/8-1/2

Mounting Bracket. Series MC-M-N  
R-D (1/8 - 1/4)



Part Number	Availability
C114-ST	✓

Mounting Bracket. Series MC-M-N  
R-D (1/8 - 1/4)



Part Number	Availability
C114-ST/1	✓

Mounting Bracket. Series MC-M-N  
R-D (1/8 - 1/4)



Part Number	Availability
C114-ST/2	✓

Mounting Bracket C238-ST/1  
for MC238 and MC202  
The Kit is supplied with 1 bracket,  
2 screws M5X65  
Materials: zinc-plated steel  
bracket and screws



Part Number	Availability
C238-ST/1	✓

Fixing Bracket MX2-S  
for regulators MC238 and MC202  
The Kit is supplied with  
1 zinc-plated steel bracket



Part Number	Availability
MX2-S	✓

Screws (kit G) to assemble 2 Bodies  
Type 'M'



Part Number	Availability
MC1-VMD	✓
MC2-VMD	✓

# Series MD Filters

Connections with interchangeable cartridges: threaded (1/8, 1/4, 3/8) or integrated with super-rapid fitting for tube with Ø 6, 8 and 10mm

Modular assembly

Bowl with technopolymer cover and bayonet-type mounting

Full Data Sheet and Dimensions at <https://store.camozzi.co.uk>



- ✓ Ex Stock
- 🇬🇧 UK Assembly
- 📞 Please Call Sales office

### CODING EXAMPLE

MD	1	-	F	0	0	0	-	1/8
----	---	---	---	---	---	---	---	-----

<b>MD</b>	SERIES: MD	<b>0</b>	DRAINING OF CONDENSATE: 0 = semi-automatic manual drain (standard) 5 = depressuring drain, protected 8 = no drain with connection 1/8 see page 249
<b>1</b>	SIZE: 1 = 42mm		
<b>F</b>	FILTER	<b>0</b>	VISUAL INDICATOR: 0 = Without indicator 1 = With indicator
<b>0</b>	FILTERING ELEMENT: 0 = 25µm (standard) 1 = 5µm	<b>1/8</b>	CONNECTIONS (IN/OUT*): = no connection 1/8, 1/4, 3/8, 6, 8, 10

### ACCESSORIES

Part Number	Availability	Symbol	Connection
Without Indicator			
MD1-F000	✓	FT02	-
MD1-F000-1/8	✓	FT02	1/8
MD1-F000-1/4	✓	FT02	1/4
MD1-F000-3/8	✓	FT02	3/8
MD1-F000-6	✓	FT02	Ø6
MD1-F000-8	✓	FT02	Ø8
MD1-F000-10	✓	FT02	Ø10

Part Number	Availability	Symbol	Connection
With Indicator			
MD1-F001	✓	FT02	-
MD1-F001-1/8	✓	FT02	1/8
MD1-F001-1/4	✓	FT02	1/4
MD1-F001-3/8	✓	FT02	3/8
MD1-F001-6	✓	FT02	Ø6
MD1-F001-8	✓	FT02	Ø8
MD1-F001-10	✓	FT02	Ø10

**Mounting Bracket**

**MD1-ST/1**  
Please see page 240 for more Series MD Accessories

\*If the input and output connections are different, please add both values when ordering. Example: MD1-F000-1/8-1/4  
N.B. 5 Micron, depressurisation drain and connection 1/8 also available on request. See coding table above.

# Series MD Activated Carbon Filters

Connections with interchangeable cartridges: threaded (1/8, 1/4, 3/8) or integrated with super-rapid fitting for tube with Ø 6, 8 and 10mm

Modular assembly Bowl with technopolymer cover and bayonet-type mounting

Full Data Sheet and Dimensions at <https://store.camozzi.co.uk>



- ✓ Ex Stock
- 🇬🇧 UK Assembly
- 📞 Please Call Sales Office

### CODING EXAMPLE

MD	1	-	FCA	0	-	1/8
----	---	---	-----	---	---	-----

<b>MD</b>	Series: MD	<b>0</b>	VISUAL INDICATOR: 0 = Without indicator 1 = With indicator
<b>1</b>	SIZE: 1 = 42mm		
<b>FCA</b>	ACTIVATED CARBON FILTER	<b>1/8</b>	CONNECTIONS (IN/OUT*): = no connection 1/8, 1/4, 3/8, 6, 8, 10

### ACCESSORIES

Part Number	Availability	Connection
Without Indicator		
MD1-FCA0	✓	-
MD1-FCA0-1/8	✓	1/8
MD1-FCA0-1/4	✓	1/4
MD1-FCA0-3/8	✓	3/8
MD1-FCA0-6	✓	Ø6
MD1-FCA0-8	✓	Ø8
MD1-FCA0-10	✓	Ø10

Part Number	Availability	Connection
With Indicator		
MD1-FCA1	✓	-
MD1-FCA1-1/8	✓	1/8
MD1-FCA1-1/4	✓	1/4
MD1-FCA1-3/8	✓	3/8
MD1-FCA1-6	✓	Ø6
MD1-FCA1-8	✓	Ø8
MD1-FCA1-10	✓	Ø10

**Mounting Bracket**

**MD1-ST/1**  
Please see page 240 for more Series MD Accessories

\*If the input and output connections are different, please add both values when ordering. Example: MD1-FCA0-1/8-1/4

# Series MD Coalescing Filters

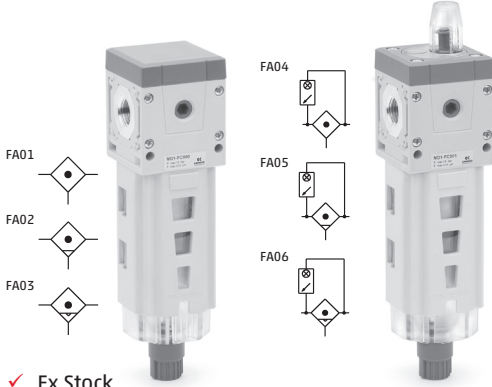
Connections with interchangeable cartridges: threaded (1/8, 1/4, 3/8) or integrated with super-rapid fitting for tube with Ø 6, 8 and 10mm

Modular assembly

Bowl with technopolymer cover and bayonet-type mounting

Full Data Sheet and Dimensions at <https://store.camozzi.co.uk>

AIR TREATMENT



- ✓ Ex Stock
- ✎ UK Assembly
- ☎ Please Call Sales Office

## CODING EXAMPLE

MD	1	-	FC	0	0	0	-	1/8
----	---	---	----	---	---	---	---	-----

<b>MD</b>	SERIES: MD	<b>0</b>	DRAINING OF CONDENSATE: 0 = semi-automatic manual drain (standard) 5 = depressuring drain, protected 8 = no drain with connection 1/8 see page 249
<b>1</b>	SIZE: 1 = 42mm	<b>0</b>	VISUAL INDICATOR: 0 = Without indicator 1 = With indicator
<b>FC</b>	COALESCING FILTER	<b>0</b>	CONNECTIONS (IN/OUT*): = no connection 1/8, 1/4, 3/8, 6, 8, 10
<b>0</b>	FILTERING ELEMENT: 0 = 0.01µm (standard) 1 = 1µm	<b>1/8</b>	

## ACCESSORIES

Part Number	Availability	Symbol	Connection	Part Number	Availability	Symbol	Connection
<b>Without Indicator</b>				<b>With Indicator</b>			
MD1-FC000	✓	FA02	-	MD1-FC001	✓	FA02	-
MD1-FC000-1/8	✓	FA02	1/8	MD1-FC001-1/8	✓	FA02	1/8
MD1-FC000-1/4	✓	FA02	1/4	MD1-FC001-1/4	✓	FA02	1/4
MD1-FC000-3/8	✓	FA02	3/8	MD1-FC001-3/8	✓	FA02	3/8
MD1-FC000-6	✓	FA02	Ø6	MD1-FC001-6	✓	FA02	Ø6
MD1-FC000-8	✓	FA02	Ø8	MD1-FC001-8	✓	FA02	Ø8
MD1-FC000-10	✓	FA02	Ø10	MD1-FC001-10	✓	FA02	Ø10

### Mounting Bracket



**MD1-ST/1**

Please see page 240 for more Series MD Accessories

\*If the input and output connections are different, please add both values when ordering. Example: MD1-F000-1/8-1/4 N.B. 5 Micron, depressurisation drain and connection 1/8 also available on request. See coding table above.

# Series MD Lubricators

Connections with interchangeable cartridges: threaded (1/8, 1/4, 3/8) or integrated with super-rapid fitting for tube with Ø 6, 8 and 10mm

Modular assembly

Bowl with technopolymer cover and bayonet-type mounting

Full Data Sheet and Dimensions at <https://store.camozzi.co.uk>

**Note:** Lubrication Oil also available



- ✓ Ex Stock
- ✎ UK Assembly
- ☎ Please Call Sales Office

## CODING EXAMPLE

MD	1	-	L	00	-	1/8
----	---	---	---	----	---	-----

<b>MD</b>	SERIES: MD	<b>00</b>	DESIGN TYPE: 00 = atomized oil with refill valve 01 = atomized oil without refill valve
<b>1</b>	SIZE: 1 = 42mm	<b>1/8</b>	CONNECTIONS (IN/OUT*): = no connection 1/8, 1/4, 3/8, 6, 8, 10
<b>L</b>	LUBRICATOR		

Part Number	Availability	Connection
MD1-L00	✓	-
MD1-L00-1/8	✓	1/8
MD1-L00-1/4	✓	1/4
MD1-L00-3/8	✓	3/8
MD1-L00-6	✓	Ø6
MD1-L00-8	✓	Ø8
MD1-L00-10	✓	Ø10

\*If the input and output connections are different, please add both values when ordering. Example: MD1-L00-1/8-1/4



Main



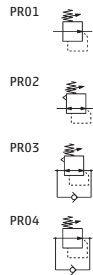
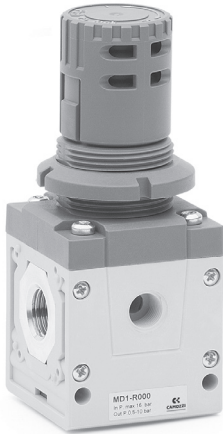
Section

# Series MD Pressure Regulators

Connections with interchangeable cartridges: threaded (1/8, 1/4, 3/8) or integrated with super-rapid fitting for tube with Ø 6, 8 and 10mm

Versions: single, combined with other functions, Manifold

Full Data Sheet and Dimensions at <https://store.camozzi.co.uk>



## CODING EXAMPLE

**MD 1 - R T 0 0 - 1/4 - ■ - ●**

<b>MD</b> SERIES: MD	<b>0</b> DESIGN TYPE: 0 = self-relieving 1 = non-relieving 2 = relieving high relief flow 3 = non-relieving high relief flow
<b>1</b> SIZE: 1 = 42mm	<b>0</b> PRESSURE GAUGE: 0 = without pressure gauge (1/8 Connection)
<b>R</b> R = pressure regulator M = manifold pressure regulator	<b>1/4</b> CONNECTIONS (IN/OUT*): = no connection 1/8, 1/4, 3/8, 6, 8, 10
<b>T</b> OPERATING PRESSURE: 0 = 0.5 - 10 bar (standard) 2 = 0 - 2 bar 4 = 0 - 4 bar 7 = 0.5 - 7 bar T = calibrated** B = locked**	

\*\*NB: IF THE REGULATOR IS CALIBRATED OR LOCKED, AFTER THE PORTS ADD THE INLET PRESSURE "■" AND THE OUTLET PRESSURE "●"

INLET PRESSURE:  
■ = enter the SUPPLY pressure value

OUTLET PRESSURE:  
● = enter the OUTLET pressure value for the LOCKED regulator or the maximum value of the ADJUSTABLE pressure for the CALIBRATED regulator

Example of a calibrated regulator with Inlet Pressure = 6.3 bar and Outlet Pressure = 4.5 bar  
Complete Part Number: MD1-RT00-1/4-6.3-4.5

- ✓ Ex Stock
- 🇬🇧 UK Assembly
- 📞 Please Call Sales Office

Availability	Symbol	No Connection	1/8	1/4	3/8	
<b>Self Relieving</b>						
0.5 - 10 bar	✓	PR02 MD1-R000	MD1-R000-1/8	MD1-R000-1/4	MD1-R000-3/8	
0 - 2 bar	✓	PR02 MD1-R200	MD1-R200-1/8	MD1-R200-1/4	MD1-R200-3/8	
0 - 4 bar	✓	PR02 MD1-R400	MD1-R400-1/8	MD1-R400-1/4	MD1-R400-3/8	
0 - 7 bar	✓	PR02 MD1-R700	MD1-R700-1/8	MD1-R700-1/4	MD1-R700-3/8	
			6	8	10	
0.5 - 10 bar	✓	PR02 MD1-R000-6	MD1-R000-8	MD1-R000-10		
0 - 2 bar	✓	PR02 MD1-R200-6	MD1-R200-8	MD1-R200-10		
0 - 4 bar	✓	PR02 MD1-R400-6	MD1-R400-8	MD1-R400-10		
0 - 7 bar	✓	PR02 MD1-R700-6	MD1-R700-8	MD1-R700-10		
			No Connection	1/8	1/4	3/8
<b>Non-Relieving</b>						
0.5 - 10 bar	✓	PR01 MD1-R010	MD1-R010-1/8	MD1-R010-1/4	MD1-R010-3/8	
0 - 2 bar	✓	PR01 MD1-R210	MD1-R210-1/8	MD1-R210-1/4	MD1-R210-3/8	
0 - 4 bar	✓	PR01 MD1-R410	MD1-R410-1/8	MD1-R410-1/4	MD1-R410-3/8	
0 - 7 bar	✓	PR01 MD1-R710	MD1-R710-1/8	MD1-R710-1/4	MD1-R710-3/8	
			6	8	10	
0.5 - 10 bar	✓	PR01 MD1-R010-6	MD1-R010-8	MD1-R010-10		
0 - 2 bar	✓	PR01 MD1-R210-6	MD1-R210-8	MD1-R210-10		
0 - 4 bar	✓	PR01 MD1-R410-6	MD1-R410-8	MD1-R410-10		
0 - 7 bar	✓	PR01 MD1-R710-6	MD1-R710-8	MD1-R710-10		

\*If the input and output connections are different, please add both values when ordering. Example: MD1-R000-1/8-1/4

## ACCESSORIES

Mounting Bracket Pressure Gauges



**MD1-ST/1 M043-P12**  
Please see page 240 for more Series MD Accessories

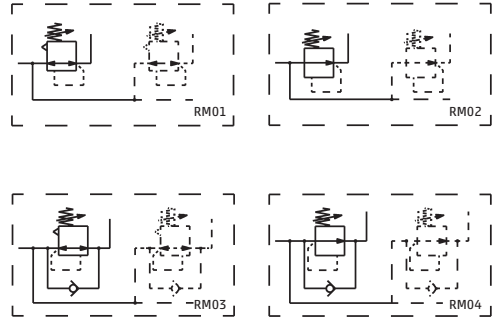


**MD1-ST/1 M043-P12**  
Please see page 240 for more Series MD Accessories

AIR TREATMENT



Series MD Manifold Pressure Regulators



- ✓ Ex Stock
- ✦ UK Assembly
- ☎ Please Call Sales Office

Availability	Symbol	No Connection	1/8	1/4	3/8	
<b>Self Relieving</b>						
0.5 - 10 bar	✓	RM01	MD1-M000	MD1-M000-1/8	MD1-M000-1/4	MD1-M000-3/8
0 - 2 bar	✓	RM01	MD1-M200	MD1-M200-1/8	MD1-M200-1/4	MD1-M200-3/8
0 - 4 bar	✓	RM01	MD1-M400	MD1-M400-1/8	MD1-M400-1/4	MD1-M400-3/8
0 - 7 bar	✓	RM01	MD1-M700	MD1-M700-1/8	MD1-M700-1/4	MD1-M700-3/8
			6	8	10	
0.5 - 10 bar	✓	RM01	MD1-M000-6	MD1-M000-8	MD1-M000-10	
0 - 2 bar	✓	RM01	MD1-M200-6	MD1-M200-8	MD1-M200-10	
0 - 4 bar	✓	RM01	MD1-M400-6	MD1-M400-8	MD1-M400-10	
0 - 7 bar	✓	RM01	MD1-M700-6	MD1-M700-8	MD1-M700-10	
<b>Non-Relieving</b>						
			No Connection	1/8	1/4	3/8
0.5 - 10 bar	✓	RM02	MD1-M010	MD1-M010-1/8	MD1-M010-1/4	MD1-M010-3/8
0 - 2 bar	✓	RM02	MD1-M210	MD1-M210-1/8	MD1-M210-1/4	MD1-M210-3/8
0 - 4 bar	✓	RM02	MD1-M410	MD1-M410-1/8	MD1-M410-1/4	MD1-M410-3/8
0 - 7 bar	✓	RM02	MD1-M710	MD1-M710-1/8	MD1-M710-1/4	MD1-M710-3/8
			6	8	10	
0.5 - 10 bar	✓	RM02	MD1-M010-6	MD1-M010-8	MD1-M010-10	
0 - 2 bar	✓	RM02	MD1-M210-6	MD1-M210-8	MD1-M210-10	
0 - 4 bar	✓	RM02	MD1-M410-6	MD1-M410-8	MD1-M410-10	
0 - 7 bar	✓	RM02	MD1-M710-6	MD1-M710-8	MD1-M710-10	

**ACCESSORIES**

Mounting Bracket Pressure Gauges



**MD1-ST/1 M043-P12**  
Please see page 240 for more Series MD Accessories



**MD1-ST/1 M043-P12**  
Please see page 240 for more Series MD Accessories

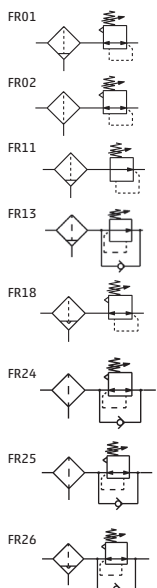


# Series MD Filter/Regulators

Connections with interchangeable cartridges: threaded (1/8, 1/4, 3/8) or integrated with super-rapid fitting for tube with Ø 6, 8 and 10mm

Modular assembly

Bowl with technopolymer cover and bayonet-type mounting.



### CODING EXAMPLE

**MD 1 - FR 0 0 0 0 - 1/8**

<b>MD</b> SERIES: MD	<b>0</b> DRAINING OF CONDENSATE: 0 = semi-automatic manual drain (standard) 5 = depressuring drain, protected 8 = no drain with connection 1/8
<b>1</b> SIZE: 1 = 42mm	<b>0</b> OPERATING PRESSURE: 0 = 0.5 - 10 bar (standard) 2 = 0 - 2 bar 4 = 0 - 4 bar 7 = 0.5 - 7 bar
<b>FR</b> FILTER REGULATOR	<b>0</b> PRESSURE GAUGE: 0 = without pressure gauge (1/8 Connection)
<b>0</b> FILTERING ELEMENT WITH DESIGN TYPE: 0 = 25µm with relieving (standard) 1 = 5µm with relieving 2 = 25µm without relieving 3 = 5µm without relieving 4 = 25µm with relieving version VS 5 = 5µm with relieving version VS 6 = 25µm without relieving version VS (for semiautomatic-manual drain only) 7 = 5µm without relieving version VS (for semiautomatic-manual drain only)	<b>1/8</b> CONNECTIONS (IN/OUT*): = no connection 1/8, 1/4, 3/8, 6, 8, 10

- ✓ Ex Stock
- ✈ UK Assembly
- ☎ Please Call Sales Office

Availability Symbol	No Connection	1/8	1/4	3/8
<b>Semi Auto Drain - Self Relieving</b>				
0.5 - 10 bar ✓	FR01 MD1-FR0000	MD1-FR0000-1/8	MD1-FR0000-1/4	MD1-FR0000-3/8
0 - 2 bar ✓	FR01 MD1-FR0020	MD1-FR0020-1/8	MD1-FR0020-1/4	MD1-FR0020-3/8
0 - 4 bar ✓	FR01 MD1-FR0040	MD1-FR0040-1/8	MD1-FR0040-1/4	MD1-FR0040-3/8
0 - 7 bar ✓	FR01 MD1-FR0070	MD1-FR0070-1/8	MD1-FR0070-1/4	MD1-FR0070-3/8
		6	8	10
0.5 - 10 bar ✓	FR01 MD1-FR0000-6	MD1-FR0000-8	MD1-FR0000-10	
0 - 2 bar ✓	FR01 MD1-FR0020-6	MD1-FR0020-8	MD1-FR0020-10	
0 - 4 bar ✓	FR01 MD1-FR0040-6	MD1-FR0040-8	MD1-FR0040-10	
0 - 7 bar ✓	FR01 MD1-FR0070-6	MD1-FR0070-8	MD1-FR0070-10	
<b>Semi Auto Drain - Non Relieving</b>				
	No Connection	1/8	1/4	3/8
0.5 - 10 bar ✓	FR11 MD1-FR2000	MD1-FR2000-1/8	MD1-FR2000-1/4	MD1-FR2000-3/8
0 - 2 bar ✓	FR11 MD1-FR2020	MD1-FR2020-1/8	MD1-FR2020-1/4	MD1-FR2020-3/8
0 - 4 bar ✓	FR11 MD1-FR2040	MD1-FR2040-1/8	MD1-FR2040-1/4	MD1-FR2040-3/8
0 - 7 bar ✓	FR11 MD1-FR2070	MD1-FR2070-1/8	MD1-FR2070-1/4	MD1-FR2070-3/8
		6	8	10
0.5 - 10 bar ✓	FR11 MD1-FR2000-6	MD1-FR2000-8	MD1-FR2000-10	
0 - 2 bar ✓	FR11 MD1-FR2020-6	MD1-FR2020-8	MD1-FR2020-10	
0 - 4 bar ✓	FR11 MD1-FR2040-6	MD1-FR2040-8	MD1-FR2040-10	
0 - 7 bar ✓	FR11 MD1-FR2070-6	MD1-FR2070-8	MD1-FR2070-10	

### ACCESSORIES

Mounting Bracket	Pressure Gauges
------------------	-----------------



**MD1-ST/1 M043-P12**  
Please see page 240 for more Series MD Accessories



**MD1-ST/1 M043-P12**  
Please see page 240 for more Series MD Accessories

\*If the input and output connections are different, please add both values when ordering. Example: MD1-R000-1/8-1/4

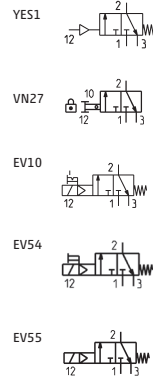
# Series MD Lockable Isolation 3/2-Way Valves

Connections with interchangeable cartridges: threaded (1/8, 1/4, 3/8) or integrated with super-rapid fitting for tube with Ø 6, 8 and 10mm

Modular assembly





Manual, electro-pneumatic, servo-pilot and pneumatic control

Full Data Sheet and Dimensions at <https://store.camozzi.co.uk>



- ✓ Ex Stock
- 🔧 UK Assembly
- ☎ Please Call Sales Office

## ACCESSORIES

Part Number	Availability	Symbol	Connection	Mounting Bracket	Coil
<b>Pneumatic Control</b>					
MD1-V36	✓	YES1	-		N/A
MD1-V36-1/8	✓	YES1	1/8		
MD1-V36-1/4	✓	YES1	1/4		
MD1-V36-3/8	✓	YES1	3/8		
MD1-V36-6	✓	YES1	Ø6		
MD1-V36-8	✓	YES1	Ø8		
MD1-V36-10	✓	YES1	Ø10		
<b>Lockable Manual Control</b>					
MD1-V01	✓	VN27	-		N/A
MD1-V01-1/8	✓	VN27	1/8		
MD1-V01-1/4	✓	VN27	1/4		
MD1-V01-3/8	✓	VN27	3/8		
MD1-V01-6	✓	VN27	Ø6		
MD1-V01-8	✓	VN27	Ø8		
MD1-V01-10	✓	VN27	Ø10		
<b>Electro-Pneumatic Control</b>					
MD1-V16*	✓	EV10/EV54/EV55	-		
MD1-V16*-1/8	✓	EV10/EV54/EV55	1/8		
MD1-V16*-1/4	✓	EV10/EV54/EV55	1/4		
MD1-V16*-3/8	✓	EV10/EV54/EV55	3/8		
MD1-V16*-6	✓	EV10/EV54/EV55	Ø6		
MD1-V16*-8	✓	EV10/EV54/EV55	Ø8		
MD1-V16*-10	✓	EV10/EV54/EV55	Ø10		

\*If the input and output connections are different, please add both values when ordering. Example: MD1-V01-1/8-1/4

\*Other options of manual override available on request.

## CODING EXAMPLE

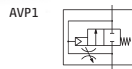
<b>MD</b>	<b>1</b>	<b>-</b>	<b>V</b>	<b>01</b>	<b>-</b>	<b>1/8</b>
<b>MD</b> SERIES: MD	<b>1</b> SIZE: 1 = 42mm	<b>01</b>	DESIGN TYPE: 01 = lockable manual control 16 = electro-pneumatic control, Push & Turn manual override 16IL = electro-pneumatic control, bistable manual override, lever type (EV10) 16IM = electro-pneumatic control, monostable manual override (EV54) 16IT = electro-pneumatic control without manual override (EV55) 36 = pneumatic control			
<b>V</b> 3/2 WAY VALVE	<b>1/8</b>	CONNECTIONS (IN/OUT*): = no connection 1/8, 1/4, 3/8, 6, 8, 10				



# Series MD Soft Start Valves

Connections with interchangeable cartridges: threaded (1/8, 1/4, 3/8) or integrated with super-rapid fitting for tube with Ø 6, 8 and 10mm  
Modular assembly

Full Data Sheet and Dimensions at <https://store.camozzi.co.uk>



### CODING EXAMPLE

<b>MD</b>	<b>1</b>	<b>-</b>	<b>AV</b>	<b>-</b>	<b>1/8</b>
-----------	----------	----------	-----------	----------	------------

<b>MD</b>	SERIES: MD	
<b>1</b>	SIZE: 1 = 42mm	<b>1/8</b> CONNECTIONS (IN/OUT*): = no connection 1/8, 1/4, 3/8, 6, 8, 10
<b>AV</b>	SOFT START VALVE	

- ✓ Ex Stock
- ✎ UK Assembly
- ☎ Please Call Sales Office

Part Number	Availability	Connection
MD1-AV	✓	-
MD1-AV-1/8	✓	1/8
MD1-AV-1/4	✓	1/4
MD1-AV-3/8	✓	3/8

Part Number	Availability	Connection
MD1-AV-6	✓	Ø6
MD1-AV-8	✓	Ø8
MD1-AV-10	✓	Ø10

\*If the input and output connections are different, please add both values when ordering. Example: MD1-AV-1/8-1/4  
Please see page 240 for Series MD Accessories

AIR TREATMENT



# Series MD Take-off Blocks

Module with interchangeable cartridges: threaded (1/8, 1/4, 3/8) or integrated with super-rapid fitting for tube with Ø 6, 8 and 10 mm (4 outlets) Intermediate junction cartridge (2 outlets) Intermediate junction cartridge with non-return valve  
Full Data Sheet and Dimensions at <https://store.camozzi.co.uk>



### CODING EXAMPLE

<b>MD</b>	<b>1</b>	<b>-</b>	<b>B</b>	<b>00</b>	<b>-</b>	<b>1/8</b>
-----------	----------	----------	----------	-----------	----------	------------

<b>MD</b>	SERIES: MD	
<b>1</b>	SIZE: 1 = 42mm	<b>00</b> DESIGN TYPE: 00 = without no return valve (standard) 02 = bidirectional derivation
<b>B</b>	TAKE-OFF BLOCK	
	<b>1/8</b>	CONNECTIONS (IN/OUT*): = no connection 1/8, 1/4, 3/8, 6, 8, 10

- ✓ Ex Stock
- ✎ UK Assembly
- ☎ Please Call Sales Office

Part Number	Availability	Connection
MD1-B00	✓	-
MD1-B00-1/8	✓	1/8
MD1-B00-1/4	✓	1/4
MD1-B00-3/8	✓	3/8
MD1-B00-6	✓	Ø6
MD1-B00-8	✓	Ø8
MD1-B00-10	✓	Ø10

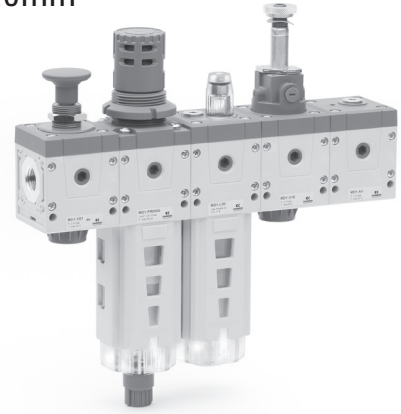
Part Number	Availability
MD1-B	✓

\*If the input and output connections are different, please add both values when ordering. Example: MD1-B00-1/8-1/4  
Please see page 240 for Series MD Accessories

# Series MD FRL Assembled

Connections with interchangeable cartridges: threaded (1/8, 1/4, 3/8) or integrated with super-rapid fitting for tube with Ø 6, 8 and 10mm  
Modular assembly

Full Data Sheet and Dimensions at <https://store.camozzi.co.uk>



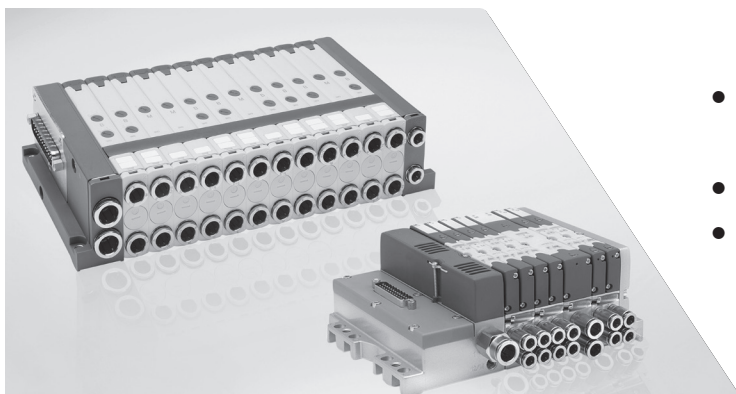
## CODING EXAMPLE

<b>MD</b>	<b>1</b>	-	<b>000014</b>	-	<b>1/4</b>
-----------	----------	---	---------------	---	------------

<b>MD</b> SERIES: MD	
<b>1</b> SIZE: 1 = 42mm	<b>1/4</b> CONNECTIONS (IN/OUT): = no connection 1/8, 1/4, 3/8, 6, 8, 10
<b>000014</b>	
<p>GROUP COMPOSITION (25 micron):</p> <p>000014 = F000 + R000 + L00 000015 = FR0000 + L00 000016 = V01 + FR0000 + L00 000017 = V01 + FR0000 000018 = FR0000 + V16 + AV 000019 = FR0000 + L00 + V16 + AV 000020 = V01 + FR0000 + V16 + AV 000021 = V01 + FR0000 + L00 + V16 + AV + PRESS. NO 000022 = V01 + FR0000 + L00 + V16 + AV + PRESS. NC 000023 = V01 + FR0000 + V16 + AV + PRESS. NO 000024 = V01 + FR0000 + V16 + AV + PRESS. NC</p>	<p>GROUP COMPOSITION (5 micron):</p> <p>000025 = F100 + R000 + L00 000026 = FR1000 + L00 000027 = V01 + FR1000 + L00 000028 = V01 + FR1000 000029 = FR1000 + V16 + AV 000030 = FR1000 + L00 + V16 + AV 000031 = V01 + FR1000 + V16 + AV 000032 = V01 + FR1000 + L00 + V16 + AV + PRESS. NO 000033 = V01 + FR1000 + L00 + V16 + AV + PRESS. NC 000034 = V01 + FR1000 + V16 + AV + PRESS. NO 000035 = V01 + FR1000 + V16 + AV + PRESS. NC 000036 = F150 + FC050</p>

Please see page 240 for Series MD Accessories

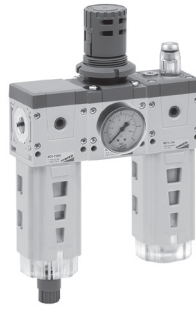
## UK Assembled Multipole Valve Islands



- Series HN (37 Pin, 32 Coils or 25 Pin, 24 Coils)
- Series F (25 Pin, 24 Coils)
- Next Day Delivery

### Composition of the assembled group 000014 and 000025

Components:  
Filter  
Regulator  
Lubricator  
Pressure Gauge  
Bracket



- ✓ Ex Stock
- 🔧 UK Assembly
- 📞 Please Call Sales Office

25 micron filtering element			5 micron filtering element		
Part Number	Availability	Connections	Part Number	Availability	Connections
MD1-000014-1/8	🔧	1/8	MD1-000025-1/8	🔧	1/8
MD1-000014-1/4	🔧	1/4	MD1-000025-1/4	🔧	1/4
MD1-000014-3/8	🔧	3/8	MD1-000025-3/8	🔧	3/8
MD1-000014-6	🔧	6	MD1-000025-6	🔧	6
MD1-000014-8	🔧	8	MD1-000025-8	🔧	8
MD1-000014-10	🔧	10	MD1-000025-10	🔧	10

### Composition of the assembled group 000015 and 000026

Components:  
Filter-regulator  
Lubricator  
Pressure Gauge  
Bracket

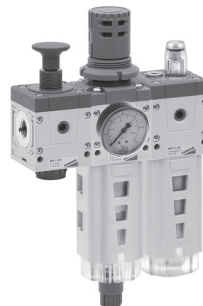


- ✓ Ex Stock
- 🔧 UK Assembly
- 📞 Please Call Sales Office

25 micron filtering element			5 micron filtering element		
Part Number	Availability	Connections	Part Number	Availability	Connections
MD1-000015-1/8	🔧	1/8	MD1-000026-1/8	🔧	1/8
MD1-000015-1/4	🔧	1/4	MD1-000026-1/4	🔧	1/4
MD1-000015-3/8	🔧	3/8	MD1-000026-3/8	🔧	3/8
MD1-000015-6	🔧	6	MD1-000026-6	🔧	6
MD1-000015-8	🔧	8	MD1-000026-8	🔧	8
MD1-000015-10	🔧	10	MD1-000026-10	🔧	10

### Composition of the assembled group 000016 and 000027

Components:  
Lockable isolation 3/2 valve  
Filter-regulator  
Lubricator  
Pressure Gauge  
Bracket



- ✓ Ex Stock
- 🔧 UK Assembly
- 📞 Please Call Sales Office

25 micron filtering element			5 micron filtering element		
Part Number	Availability	Connections	Part Number	Availability	Connections
MD1-000016-1/8	🔧	1/8	MD1-000027-1/8	🔧	1/8
MD1-000016-1/4	🔧	1/4	MD1-000027-1/4	🔧	1/4
MD1-000016-3/8	🔧	3/8	MD1-000027-3/8	🔧	3/8
MD1-000016-6	🔧	6	MD1-000027-6	🔧	6
MD1-000016-8	🔧	8	MD1-000027-8	🔧	8
MD1-000016-10	🔧	10	MD1-000027-10	🔧	10

Please see page 240 for Series MD Accessories

**Composition of the assembled group 000017 and 000028**

- Components:  
Lockable isolation 3/2 valve  
Filter-regulator  
Pressure Gauge  
Bracket



- ✓ Ex Stock
- 🔧 UK Assembly
- ☎ Please Call Sales Office

25 micron filtering element		
Part Number	Availability	Connections
MD1-000017-1/8	🔧	1/8
MD1-000017-1/4	🔧	1/4
MD1-000017-3/8	🔧	3/8
MD1-000017-6	🔧	6
MD1-000017-8	🔧	8
MD1-000017-10	🔧	10

5 micron filtering element		
Part Number	Availability	Connections
MD1-000028-1/8	🔧	1/8
MD1-000028-1/4	🔧	1/4
MD1-000028-3/8	🔧	3/8
MD1-000028-6	🔧	6
MD1-000028-8	🔧	8
MD1-000028-10	🔧	10

**Composition of the assembled group 000018 and 000029**

- Components:  
Filter-regulator  
Isolation 3/2 valve  
Soft start valve  
Pressure Gauge  
Bracket



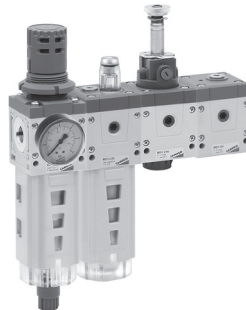
- ✓ Ex Stock
- 🔧 UK Assembly
- ☎ Please Call Sales Office

25 micron filtering element		
Part Number	Availability	Connections
MD1-000018-1/8	🔧	1/8
MD1-000018-1/4	🔧	1/4
MD1-000018-3/8	🔧	3/8
MD1-000018-6	🔧	6
MD1-000018-8	🔧	8
MD1-000018-10	🔧	10

5 micron filtering element		
Part Number	Availability	Connections
MD1-000029-1/8	🔧	1/8
MD1-000029-1/4	🔧	1/4
MD1-000029-3/8	🔧	3/8
MD1-000029-6	🔧	6
MD1-000029-8	🔧	8
MD1-000029-10	🔧	10

**Composition of the assembled group 000019 and 000030**

- Components:  
Filter-regulator  
Lubricator  
Isolation 3/2 valve  
Soft start valve  
Pressure Gauge  
Bracket



- ✓ Ex Stock
- 🔧 UK Assembly
- ☎ Please Call Sales Office

25 micron filtering element		
Part Number	Availability	Connections
MD1-000019-1/8	🔧	1/8
MD1-000019-1/4	🔧	1/4
MD1-000019-3/8	🔧	3/8
MD1-000019-6	🔧	6
MD1-000019-8	🔧	8
MD1-000019-10	🔧	10

5 micron filtering element		
Part Number	Availability	Connections
MD1-000030-1/8	🔧	1/8
MD1-000030-1/4	🔧	1/4
MD1-000030-3/8	🔧	3/8
MD1-000030-6	🔧	6
MD1-000030-8	🔧	8
MD1-000030-10	🔧	10

Please see page 240 for Series MD Accessories



Main



Section

# Series MD Accessories for FRL

- ✓ Ex Stock
- 🇬🇧 UK Assembly
- ☎ Please Call Sales Office



Main



Section

## Threaded Cartridges MD1-A-...

The kit is supplied with:

- 2x nickel-plated threaded cartridges
- 4x special white zinc-plated screws Ø4.5 TC/RC



Part Number	Availability
MD1-A-1/8	✓
MD1-A-1/4	✓
MD1-A-3/8	✓

## Integrated Cartridges with super-rapid fitting MD1-A-...

The kit is supplied with:

- 2x integrated nickel-plated cartridges with super-rapid fitting
- 4x special white zinc-plated screws Ø4.5 TC/RC



Part Number	Availability
MD1-A-6	✓
MD1-A-8	✓
MD1-A-10	✓

## Intermediate Joining Cartridge MD1-C

The kit is supplied with:

- 1x intermediate joining cartridge
- 4x special white zinc-plated screws Ø4.5 TC/RC



Part Number	Availability
MD1-C	✓

## Screws for wall mounting MD1-D

The kit is supplied with:

- 2x white zinc-plated screws M4x50



Part Number	Availability
MD1-D	✓

## Mounting Bracket MD1-ST/1

The kit is supplied with:

- 1x zinc-plated bracket
- 2x white zinc-plated screws M4x50



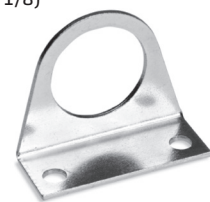
Part Number	Availability
MD1-ST/1	✓

## Mounting Bracket C114-ST

For regulators and filter-regulators (1/4-1/8)

The kit is supplied with:

- 1x zinc-plated steel bracket



Part Number	Availability
C114-ST	✓

## Mounting Bracket C114-ST/1

For regulators and filter-regulators (1/4-1/8)

The kit is supplied with:

- 1x zinc-plated steel bracket
- 2x white zinc-plated screws M4x50



Part Number	Availability
C114-ST/1	✓

## Mounting Bracket C114-ST/2

For regulators and filter-regulators (1/4-1/8)

The kit is supplied with:

- 1x zinc-plated steel bracket



Part Number	Availability
C114-ST/2	✓

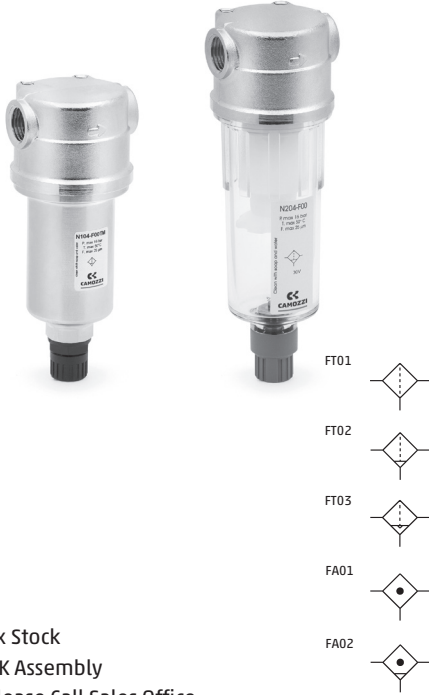
# Series N Filter and Coalescing Filters

Connections: 1/8 and 1/4

with screw-on transparent bowl

Full Data Sheet and Dimensions at <https://store.camozzi.co.uk>

AIR TREATMENT



## CODING EXAMPLE

<b>N</b>	<b>2</b>	<b>04</b>	<b>-</b>	<b>F</b>	<b>0</b>	<b>0</b>	<b>-</b>	
<b>N</b>	SERIES: N			<b>0</b>	<b>FILTERING ELEMENT:</b> 0 = 25µm (standard) 1 = 5µm B = 0.01µm CA = activated carbon (without drain, only closed bowl size 2)			
<b>2</b>	<b>SIZE:</b> 1 = small bowl (11cm <sup>3</sup> ) 2 = standard bowl (28cm <sup>3</sup> )			<b>0</b>	<b>DRAINING OF CONDENSATE:</b> 0 = manual, semi-automatic 4 = depressurisation (normal cup only) 5 = depressurisation, protected (normal cup only) 8 = connection 1/8 exhaust, no drain see page 251			
<b>04</b>	<b>CONNECTIONS:</b> 08 = 1/8 04 = 1/4			<b>BOWL MATERIAL:</b> = transparent PA 12 (standard) TM = nickel-plated brass (only in the small size with semi-automatic manual drain or without drain)				
<b>F</b>	FILTER							

- ✓ Ex Stock
- 🔧 UK Assembly
- 📞 Please Call Sales Office



Semi Auto Drain	Availability	Symbol	1/8 Small Bowl	1/4 Small Bowl	1/8 Standard Bowl	1/4 Standard Bowl
25 micron	✓	FT02	<b>N108 F00</b>	<b>N104 F00</b>	<b>N208 F00</b>	<b>N204 F00</b>
5 micron	✓	FT02	<b>N108 F10</b>	<b>N104 F10</b>	<b>N208 F10</b>	<b>N204 F10</b>

Depressurisation Drain	Symbol	1/8 Standard Bowl	1/4 Standard Bowl
25 micron	✓ FT03	<b>N208 F04</b>	<b>N204 F04</b>
5 micron	✓ FT03	<b>N208 F14</b>	<b>N204 F14</b>

Depressurisation Drain Protected	Symbol	1/8 Standard Bowl	1/4 Standard Bowl
25 micron	✓ FT03	<b>N208 F05</b>	<b>N204 F05</b>
5 micron	✓ FT03	<b>N208 F15</b>	<b>N204 F15</b>

Connection 1/8	Symbol	1/8 Small Bowl	1/4 Small Bowl	1/8 Standard Bowl	1/4 Standard Bowl
25 micron	✓ FT01	<b>N108 F08</b>	<b>N104 F08</b>	<b>N208 F08</b>	<b>N204 F08</b>
5 micron	✓ FT01	<b>N108 F18</b>	<b>N104 F18</b>	<b>N208 F18</b>	<b>N204 F18</b>

Coalescing Filter 0.01 micron	Symbol	1/8 Small Bowl	1/4 Small Bowl	1/8 Standard Bowl	1/4 Standard Bowl
Semi Auto Drain	✓ FT01	<b>N108 FB0</b>	<b>N104 FB0</b>	<b>N208 FB0</b>	<b>N204 FB0</b>
Depressurisation Drain	✓ FT03			<b>N208 FB4</b>	<b>N204 FB4</b>
Depressurisation Drain Protected	✓ FT03			<b>N208 FB5</b>	<b>N204 FB5</b>
Connection 1/8	✓ FT01	<b>N108 FB8</b>	<b>N104 FB8</b>	<b>N208 FB8</b>	<b>N204 FB8</b>

Accessories	1/8	1/4	1/8	1/4
	<b>2500 1/8</b>	<b>2500 1/4</b>	<b>2500 1/8</b>	<b>2500 1/4</b>
	<b>N204-ST</b>	<b>N204-ST</b>	<b>N204-ST</b>	<b>N204-ST</b>

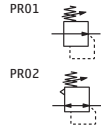
Please see page 243 for additional Series N accessories



# Series N Pressure Regulators

Connections: 1/8, 1/4

Full Data Sheet and Dimensions at <https://store.camozzi.co.uk>



### CODING EXAMPLE

N	12	04	-	R	T	0	-	■	-	●
---	----	----	---	---	---	---	---	---	---	---

<b>N</b>	SERIES: N	<b>T</b>	OPERATING PRESSURE: 0 = 0.5 - 10 bar (standard) 1 = 0 - 4 bar, 2 = 0 - 2 bar 7 = 0.5 - 7 bar, T = calibrated B = locked*
<b>12</b>	SIZE: 12	<b>0</b>	DESIGN TYPE: 0 = self-relieving 1 = non-relieving
<b>04</b>	CONNECTIONS: 08 = 1/8 04 = 1/4	<b>R</b>	REGULATOR

\*NOTE: IF THE REGULATOR IS CALIBRATED OR LOCKED, AFTER THE DESIGN TYPE ADD THE INLET PRESSURE " " AND THE OUTLET PRESSURE " "   
Example of a calibrated regulator with Inlet Pressure = 6.3 bar and Outlet Pressure = 4.5 bar   
Complete part number: N1204-RT0-6.3-4.5

Self Relieving	Availability	Symbol	1/8	1/4	Non Relieving	Availability	Symbol	1/8	1/4
0.5 - 10 bar	✓	PR02	N1208 R00	N1204 R00	0.5 - 10 bar	✓	PR01	N1208 R01	N1204 R01
0 - 4 bar	✓	PR02	N1208 R10	N1204 R10	0 - 4 bar	✓	PR01	N1208 R11	N1204 R11

Accessories	1/8	1/4	1/8	1/4
-------------	-----	-----	-----	-----



2500 1/8 2500 1/4

2500 1/8 2500 1/4



C114-ST C114-ST

C114-ST C114-ST

AIR TREATMENT



# Series N Lubricator

Connections: 1/8, 1/4

with screw-on transparent bowl

Full Data Sheet and Dimensions at <https://store.camozzi.co.uk>



### CODING EXAMPLE

N	2	04	-	L	00	-	
---	---	----	---	---	----	---	--

<b>N</b>	SERIES: N	<b>L</b>	LUBRICATOR
<b>2</b>	SIZE: 1 = small bowl (26cm <sup>3</sup> ) 2 = standard bowl (37cm <sup>3</sup> )	<b>00</b>	DESIGN TYPE: 00 =atomized oil
<b>04</b>	CONNECTIONS: 08 =1/8 04 =1/4		
BOWL MATERIAL: = transparent PA12 (standard) TM = nickel-plated brass (only in the small size)			

- ✓ Ex Stock
- 🔧 UK Assembly
- ☎ Please Call Sales Office

Availability	1/8	1/4	Availability	1/8	1/4
✓	N108 L00	N104 L00	✓	N208 L00	N204 L00

Accessories	1/8	1/4	1/8	1/4
-------------	-----	-----	-----	-----



2500 1/8 2500 1/4

2500 1/8 2500 1/4

# Series N Filter/Regulators

Full Data Sheet and Dimensions at <https://store.camozzi.co.uk>

AIR TREATMENT



## CODING EXAMPLE

N	2	04	-	D	0	0	-	4	-
---	---	----	---	---	---	---	---	---	---

<b>N</b>	SERIES: N	<b>0</b>	<b>DRAINING OF CONDENSATE:</b> 0 = semi-automatic, manual drain with self-relieving 1 = semi-automatic, manual drain non-relieving 4 = depressurisation, self-relieving (with normal bowl only) 5 = depressurisation, protected (with normal bowl only) 8 = connection 1/8, with self-relieving
<b>2</b>	<b>SIZE:</b> 1 = small bowl (11cm <sup>3</sup> ) 2 = standard bowl (28cm <sup>3</sup> )		
<b>04</b>	<b>CONNECTIONS:</b> 08 = 1/8 04 = 1/4		
<b>D</b>	D = FILTER/REGULATOR	<b>4</b>	<b>OPERATING PRESSURE:</b> = 0.5 - 10 bar (standard) 2 = 0 - 2 bar 4 = 0 - 4 bar 7 = 0.5 - 7 bar
<b>0</b>	<b>FILTERING ELEMENT:</b> 0 = 25µm (standard) 1 = 5µm		
<b>BOWL MATERIAL:</b> = transparent PA12 (standard) TM = nickel-plated brass (only in the small size with semi-automatic manual drain or without drain)			

- ✓ Ex Stock
- ✎ UK Assembly
- ☎ Please Call Sales Office

### Semi Auto Drain

Self Relieving	Availability	Symbol	1/8 Small Bowl	1/4 Small Bowl	1/8 Standard Bowl	1/4 Standard Bowl
25 micron	✓	FR01	N108 D00	N104 D00	N208 D00	N204 D00
5 micron	✓	FR01	N108 D10	N104 D10	N208 D10	N204 D10

Non Relieving	Availability	Symbol	1/8 Small Bowl	1/4 Small Bowl	1/8 Standard Bowl	1/4 Standard Bowl
25 micron	✓	FR02	N108 D01	N104 D01	N208 D01	N204 D01
5 micron	✓	FR02	N108 D11	N104 D11	N208 D11	N204 D11

Accessories	1/8	1/4	1/8	1/4
	2500 1/8	2500 1/4	2500 1/8	2500 1/4

## Series N Accessories for FRL

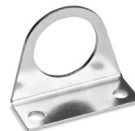
- ✓ Ex Stock
- ✎ UK Assembly
- ☎ Please Call Sales Office

**Mounting Bracket Series N**  
F-L (for 1/8, 1/4).  
Complete with: 2 screw M5x6



Part Number	Availability
N204-ST	✓

**Mounting Bracket. Series MC-N-M**  
R-D (1/8 - 1/4)



Part Number	Availability
C114-ST	✓

**Mounting Bracket. Series MC-N-M**  
R-D (1/8 - 1/4)



Part Number	Availability
C114-ST/1	✓

**Mounting Bracket. Series MC-N-M**  
R-D (1/8 - 1/4)



Part Number	Availability
C114-ST/2	✓



Main



Section



New models

# Series CLR Micro Pressure Regulators

Connections: 1/8, 1/4

With banjo stem with or without relieving  
Available with or without banjo



**Technical Data**  
**Type of Construction**  
 Piston regulator  
**Inlet Pressure**  
 2 to 10 bar  
**Outlet Pressure**  
 0.5 to 10 bar  
**Operating Temperature**  
 -5°C to +50°C  
**Materials**  
 Brass, technopolymer, NBR  
**Mountings**  
 In-line or panel mounting  
 (in any position)  
**Special Requests**  
 For assistance, contact our technical office or your local Camozzi distributor.

- ✓ Ex Stock
- ✎ UK Assembly
- ☎ Please Call Sales Office

PRO5



Full Data Sheet and Dimensions at <https://store.camozzi.co.uk>

**CODING EXAMPLE**

<b>CL</b>	<b>R</b>	<b>1/8</b>	<b>-</b>	<b>01</b>	<b>-</b>	<b>4</b>
<b>CL</b> SERIES: CL				<b>01</b> DESIGN TYPE: = with relieving 01 = without relieving		
<b>R</b> REGULATOR						
<b>1/8</b> CONNECTIONS: 1/8, 1/4				<b>4</b> DIAMETER: = without banjo 4 = single technopolymer banjo with tube diameter Ø4 mm (only CLR 1/8) 6 = single technopolymer banjo with tube diameter Ø6 mm 8 = single technopolymer banjo with tube diameter Ø8 mm 1/8L = single metal banjo with thread G1/8 (only CLR 1/8) 1/8D = double metal banjo with double thread G1/8 (only CLR 1/8)		



**Micro pressure regulators with banjo**

Part Number	Availability
CLR 1/8-4	✓
CLR 1/8-6	✓
CLR 1/8-8	✓
CLR 1/4-6	✓
CLR 1/4-8	✓

**Micro pressure regulators without banjo**

Part Number	Availability
CLR 1/8	✓
CLR 1/4	✓

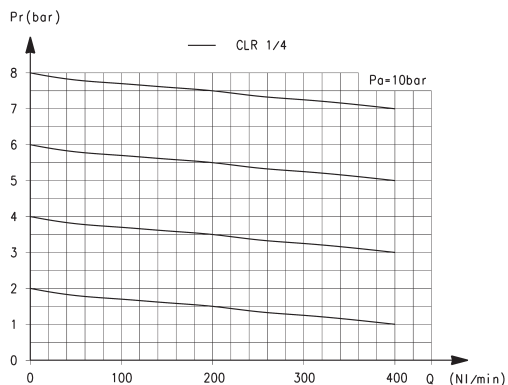
**Micro pressure regulators with double banjo**

Part Number	Availability
CLR 1/8-1/8D	✓

**Micro pressure regulators with banjo**

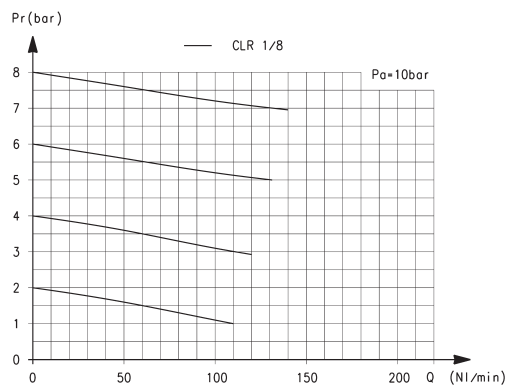
Part Number	Availability
CLR 1/8-1/8D	✓

**Flow Diagrams at 6 bar with ΔP1**



Pa = Inlet pressure (bar)  
 Pr = Regulated pressure (bar)  
 Q = Flow (NI/min)

CLR 1/4-6 = 209 NI/min  
 CLR 1/4-8 = 310 NI/min



Pa = Inlet pressure (bar)  
 Pr = Regulated pressure (bar)  
 Q = Flow (NI/min)

CLR 1/8-4 = 90 NI/min  
 CLR 1/8-6 = 120 NI/min  
 CLR 1/8-8 = 120 NI/min

# Series M Pressure Micro Regulators

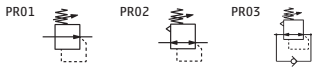
Connections: 1/8, 1/4

Full Data Sheet and Dimensions at <https://store.camozzi.co.uk>

AIR TREATMENT



\*High relief flow available on request



## CODING EXAMPLE




**M 0 04 - R T 0 2 - VS - ■ - ●**

<b>M</b>	SERIES: M
<b>0</b>	SIZE: 0
<b>04</b>	CONNECTIONS: 08 = 1/8 04 = 1/4
<b>R</b>	REGULATOR
<b>T</b>	OPERATING PRESSURE: 0 = 0.5 - 10 bar (standard) 1 = 0 - 4 bar 2 = 0 - 2 bar 7 = 0.5 - 7 bar T = calibrated* B = locked*
<b>0</b>	DESIGN TYPE: 0 = self-relieving 1 = non-relieving 5 = precise setting
<b>2</b>	PRESSURE GAUGE: = without pressure gauge 1 = with pressure gauge 0-2.5, with working pressure 0-2 bar 2 = with pressure gauge 0-6, with working pressure 0-4 bar 3 = with pressure gauge 0-10, with working pressure 0.5-7 bar 4 = with pressure gauge 0-12, with working pressure 0.5 - 10 bar
<b>VS</b>	REGULATION TYPE: = without high relief flow (standard) VS = high relief flow
<p>*NOTE: IF THE REGULATOR IS CALIBRATE OR LOCKED, AFTER THE REGULATION TYPE ADD THE INLET PRESSURE "■" AND THE OUTLET PRESSURE "●"</p> <p>INLET PRESSURE: ■ = enter the SUPPLY pressure value</p> <p>OUTLET PRESSURE: ● = enter the OUTLET pressure value for the LOCKED regulator or the maximum value of the ADJUSTABLE pressure for the CALIBRATED regulator</p> <p>Example of a calibrated regulator with Inlet Pressure = 6.3 bar and Outlet Pressure = 4.5 bar</p>	

- ✓ Ex Stock
- 🇬🇧 UK Assembly
- ☎ Please Call Sales Office

Self Relieving	Availability	Symbol	1/8	1/4	Non Relieving	Availability	Symbol	1/8	1/4
0.5 - 10 bar	✓	PRO2	M008 R00	M004 R00	0.5 - 10 bar	✓	PRO1	M008 R01	M004 R01
0 - 4 bar	✓	PRO2	M008 R10	M004 R10	0 - 4 bar	✓	PRO1	M008 R11	N004 R11

Precise Setting	Availability	Symbol	1/8	1/4	Precise Setting	Availability	Symbol	1/8	1/4
0.5 - 10 bar	✓	PRO2	M008 R05	M004 R05	0 - 4 bar	✓	PRO1	M008 R15	M004 R15

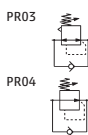
Accessories	1/8	1/4	1/8	1/4
	S6510 6-1/8	S6510 6-1/4	S6510 6-1/8	S6510 6-1/4
	S6520 6-1/8	S6520 6-1/4	S6520 6-1/8	S6520 6-1/4
	C114-ST	C114-ST	C114-ST	C114-ST



# Series T Pressure Micro Regulators

Connections: 1/8, 1/4

Full Data Sheet and Dimensions at <https://store.camozzi.co.uk>



## CODING EXAMPLE

<b>T</b>	<b>1</b>	<b>08</b>	<b>-</b>	<b>R</b>	<b>0</b>	<b>0</b>	<b>2</b>
<b>T</b>	SERIES: T			<b>0</b>	DESIGN TYPE: 0 = self-relieving 1 = non-relieving		
<b>1</b>	SIZE: 1			<b>2</b>	PRESSURE GAUGE:** = without pressure gauge (standard) 1 = with pressure gauge 0-2.5, with working pressure 0-2 bar 2 = with pressure gauge 0-6, with working pressure 0-4 bar 3 = with pressure gauge 0-10, with working pressure 0.5-7 bar 4 = with pressure gauge 0-12, with working pressure 0.5-10 bar		
<b>08</b>	CONNECTIONS: 08 = 1/8 04 = 1/4			<b>R</b>	REGULATOR		
<b>0</b>	OPERATING PRESSURE: 0 = 0.5 - 10 bar 1 = 0 - 4 bar 2 = 0 - 2 bar 7 = 0 - 7 bar (standard)			** the pressure gauges are supplied disassembly pressure gauges mod. M043-P..			

- ✓ Ex Stock
- ✎ UK Assembly
- ☎ Please Call Sales Office

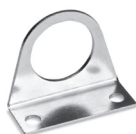
Self Relieving	Availability	Symbol	1/8	1/4	Non Relieving	Availability	Symbol	1/8	1/4
0.5 - 10 bar	✓	PR03	T108 R00	T104 R00	0.5 - 10 bar	✓	PR04	T108 R01	T104 R01
0 - 4 bar	✓	PR03	T108 R10	T104 R10	0 - 4 bar	✓	PR04	T108 R11	T104 R11
0 - 2 bar	✓	PR03	T108 R20	T104 R20	0 - 2 bar	✓	PR04	T108 R21	T104 R21
0 - 7 bar	✓	PR03	T108 R70	T104 R70	0 - 7 bar	✓	PR04	T108 R71	T104 R71

Accessories	1/8	1/4	1/8	1/4
	S6510 6-1/8	S6510 8-1/4	S6510 6-1/8	S6510 8-1/4
	S6520 6-1/8	S6520 8-1/4	S6520 6-1/8	S6520 8-1/4
	C114-ST	C114-ST	C114-ST	C114-ST

## Series M and T Accessories for FRL

- ✓ Ex Stock
- ✎ UK Assembly
- ☎ Please Call Sales Office

Mounting Bracket. Series MC-N-M  
R-D (1/8 - 1/4)



Part Number	Availability
C114-ST	✓

Mounting Bracket. Series MC-N-M  
R-D (1/8 - 1/4)



Part Number	Availability
C114-ST/1	✓

Mounting Bracket. Series MC-N-M  
R-D (1/8 - 1/4)



Part Number	Availability
C114-ST/2	✓

# Series PR Precision Regulators with Manual Override

Size 1 Connection: 1/4

Size 2 Connections: 1/4, 3/8



## CODING EXAMPLE

PR	1	04	-	M	07
----	---	----	---	---	----

<b>PR</b>	SERIES: PR	
<b>1</b>	SIZE: 1 = Size 1 2 = Size 2	<b>M</b> TYPE OF ADJUSTMENT: M = Manual
<b>04</b>	CONNECTIONS: 04 = 1/4 38 = 3/8 (size 2 only)	<b>07</b> OPERATING PRESSURE: (1 bar = 14.5psi) 02 = 0.05 - 2 bar 04 = 0.05 - 4 bar 07 = 0.05 - 7 bar (standard) 00 = 0.05 - 10 bar

AIR TREATMENT

# Series PM Adjustable-Diaphragm Pressure Switches

Series PM: adjustable-diaphragm pressure switches, with setting visual scale, with exchange contacts

Series TRP: electro-pneumatic transducers

Series 2950: pressure indicators, ports M5



Main

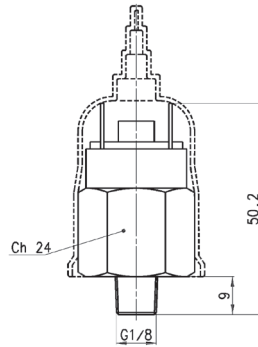


Section

Normally closed (NC) or open (NO).

Connections: 1/8.

Supplied with a rubber cap protection class IP54



PMNC



PMNA



- ✓ Ex Stock
- ✎ UK Assembly
- ☎ Please Call Sales Office

Pressure Switch	Availability	Max. Voltage	Max Power	Service Type	Insulation Voltage	Symbol
PM11-NC	✓	48 V AC DC	24 VA	Heavy	500V	PMNC
PM11-NA	✓	48 V AC DC	24 VA	Heavy	500V	PMNA

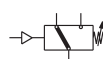
NC = The pressure switch opens an electric contact when it reaches the fixed pressure.  
NA = The pressure switch closes an electric contact when it reaches the fixed pressure.

## Series PM Pressure Switch with Exchange Contacts

Normally closed or open  
Connections: 1/4.  
Protection class IP65  
(with connector 124-830)



PMSC



- ✓ Ex Stock
- ✎ UK Assembly
- ☎ Please Call Sales Office

Pressure Switch	Availability	Max. Voltage	Operating Temperature	Actuation Time	Setting Range	Max Hysteresis
PM11-SC	✓	250 V AC - 30 V DC	-25°C to +85°C	>0.1 ms	2-10 Bar	0.8 bar

SC = Contacts of exchange For electrical connector to suit PM11-SC, Please use KA042000B9

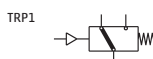
**Series TRP Electro-Pneumatic Transducer**

Normally closed or open



- ✓ Ex Stock
- ✎ UK Assembly
- ⌚ Please Call Sales Office

Part Number	Availability
TRP-8	⌚



**Series 2950 Pressure indicator**

Connections: M5.



- ✓ Ex Stock
- ✎ UK Assembly
- ⌚ Please Call Sales Office

Part Number	Availability
2950 M5	✓



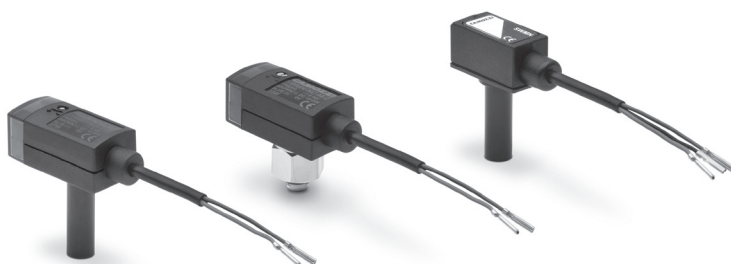
AIR TREATMENT

**New**

# Series SWMN Electronic Vacuum/Pressure Switches in Mini Format

Connections: 1/8, M5 thread or Ø 4, 6 mm plug-in tube

Measuring range: 0 to -1 bar, 0 to 1 bar with analog output, 0 to -1 bar, 0 to 6 bar with digital PNP output



**Main**

**Section**

The Series SWMN vacuum/pressure switches can be installed directly at the measuring point or pressure/vacuum determination point in handling systems, thanks to its highly compact dimensions.

Its reduced weight (only 50 grams with a 2 meter cable) and robust construction allow its installation on applications with high accelerations.

The four types of connection enable a high flexibility and an easy installation inside machines or pneumatic cabinets.

For full technical data please visit <https://store.camozzi.co.uk>

**CODING EXAMPLE**

<b>SWMN</b>	-	<b>AP</b>	-	<b>T</b>	-	<b>2</b>
-------------	---	-----------	---	----------	---	----------

<b>SWMN</b> SERIES: SWMN	
<b>AP</b>	<p>OUTPUT SIGNAL:</p> <p>AV = analog output signal - vacuum</p> <p>AP = analog output signal - pressure</p> <p>NO = normally open</p> <p>NC = normally closed</p> <p>PN = PNP output - vacuum</p> <p>PP = PNP output - pressure</p>
<b>T</b>	<p>TYPE OF CONNECTION:</p> <p>T = Ø 6 tube</p> <p>U = Ø 4 tube</p> <p>G = G1/8 thread</p> <p>M = M5 thread</p>
<b>2</b>	<p>ELECTRIC CONNECTION:</p> <p>2 = cable of 2 meters</p> <p>M = M8 3 pin connector</p>

# Series SWDN Electronic Vacuum/Pressure Switches

With digital display  
High precision, easy to use



**APPLICATIONS:**

- electronic vacuum/pressure switch for safety monitoring, optimization of cycle times or energy saving devices;
- it can be installed directly on the gripping point of a handling system;
- setting of the limit vacuum value and continuous vacuum control;
- perfectly suitable for customer needs.

**ELECTRIC CONNECTION:**

the device is available with hardwired cable of 2 meters or can be supplied with M8 connector.  
Accessories and extensions have to be ordered separately. Codes can be found at the end of this section.

**CODING EXAMPLE**

<b>SWDN</b>	-	<b>V01</b>	-	<b>P3</b>	-	<b>2</b>
-------------	---	------------	---	-----------	---	----------

<b>SWDN</b> SERIES: SWDN	
<b>V01</b> SET PRESSURE RANGE: V01 = from -1 bar to 1 bar P10 = from 0 bar to 10 bar	<b>P3</b> TYPE OF ELECTRIC CONNECTION: P3 = 2 PNP outputs + 1 analog output 1 - 5 V DC (this version is available with 5-pole cable only) P4 = 2 PNP outputs
<b>2</b> ELECTRIC CONNECTION: 2 = cable of 2 meters M = M8 4 pin connector	

For full technical data please visit  
<https://store.camozzi.co.uk>



# Series SWCN Electronic Vacuum/Pressure Switches

With digital display  
High precision, easy to use



**APPLICATIONS:**

- electronic vacuum/pressure switch for safety monitoring, optimization of cycle times or energy saving devices;
- it can be installed directly on the gripping point of a handling system;
- setting of the limit vacuum value and continuous vacuum control;
- perfectly suitable for customer needs.

**ELECTRIC CONNECTION:**

the device is available with hardwired cable of 2 meters or can be supplied with M8 connector.  
Accessories and extensions have to be ordered separately. Codes can be found at the end of this section.

**CODING EXAMPLE**

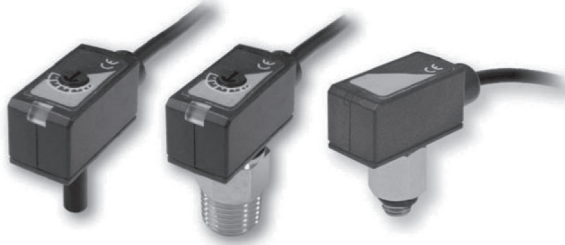
<b>SWCN</b>	-	<b>V01</b>	-	<b>P3</b>	-	<b>2</b>
-------------	---	------------	---	-----------	---	----------

<b>SWCN</b> SERIES: SWCN	
<b>V01</b> SET PRESSURE RANGE: V01 = from -1 bar to 1 bar P10 = from 0 bar to 10 bar	<b>P3</b> TYPE OF ELECTRIC CONNECTION: P3 = 2 PNP outputs + 1 analog output 1 - 5 V DC (this version is available with 5-pole cable only) P4 = 2 PNP outputs
<b>2</b> ELECTRIC CONNECTION: 2 = cable of 2 meters M = M8 3 pin connector	

For full technical data please visit  
<https://store.camozzi.co.uk>

# Series GPB1 Pressure Switches

Compact pressure switch with plug-in or thread-in fitting, for non-corrosive and non-flammable gas



- ✓ Ex Stock
- ✂ UK Assembly
- ☎ Please Call Sales Office

Part Number	Availability
GPB1B5CM08	✓
GPB1C5CM08	✓

### CODING EXAMPLE

<b>GPB1</b>	<b>C</b>	<b>5</b>	<b>C</b>	<b>M08</b>
<b>GPB1</b>	SERIES: GPB1	<b>C</b>		PRESSURE PORT: C = G1/8 - M5
<b>C</b>	PRESSURE RANGE: B = 0 to -101.3 kPa C = 0 to 1.0 MPa	<b>M08</b>		CONNECTION: M08 = M8
<b>5</b>	OUTPUT: 5 = PNP 6 = Analog. 1-5V			

For full technical data please visit <https://store.camozzi.co.uk>

# Series GPB5 Pressure Switches

With hysteresis adjustable, IP40 for air, non-corrosive and non-flammable gas



- ✓ Ex Stock
- ✂ UK Assembly
- ☎ Please Call Sales Office

Part Number	Availability
GPB5C2CM08	✓
GPB5C3CC02	✓
GPB5C4CC02	✓
GPB5B2CM08	✓

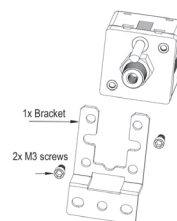
### CODING EXAMPLE

<b>GPB5</b>	<b>C</b>	<b>2</b>	<b>C</b>	<b>M08</b>
<b>GPB5</b>	SERIES: GPB5	<b>C</b>		PRESSURE PORT: C = 1/8 - M5
<b>C</b>	PRESSURE RANGE: B = 0 to -101.3 kPa C = 0 to 1.0 MPa	<b>M08</b>		CONNECTION: C02 = 2m M08 = M8
<b>5</b>	OUTPUT: 2 = 2 x PNP 3 = 1 x PNP + 1 x 1.5V 4 = 1 x PNP + 1 x 4-20 mA			

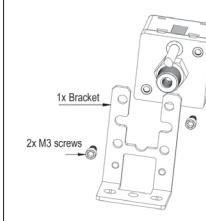
For full technical data please visit <https://store.camozzi.co.uk>

### Series GPB5 Accessoires

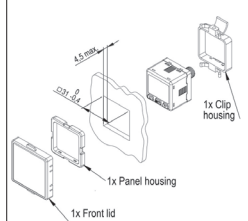
#### GPA55 Vertical mounting brackets



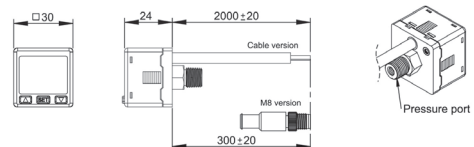
#### GPA5L Base mounting brackets



#### GPA5P Pannel adapter



#### Dimension/Connection



# Pressure Gauges

Pressure gauges  $\varnothing 43 - 53 - 63$  mm.  
Other Pressure Gauges available on request

- ✓ Ex Stock
- 🔧 UK Assembly
- 📞 Please Call Sales Office

## Miniature Pressure Gauge

**New**



Part Number	Range
M015-P08	0 - 8 bar ✓

## Pressure Gauges for Panel Mounting



Part Number	Connection	Range
M043-F04	1/8	0 - 4 bar ✓
M043-F06	1/8	0 - 6 bar ✓
M043-F12	1/8	0 - 12 bar ✓
M063-F12	1/4	0 - 12 bar ✓

## Pressure Gauges with Radial Connection



Part Number	Connection	Range
M043-R06	1/8	0 - 6 bar ✓
M043-R12	1/8	0 - 12 bar ✓
M053-R12	1/8	0 - 12 bar ✓
M063-R12	1/4	0 - 12 bar ✓

## Pressure Gauges with Rear connection



Part Number	Connection	Range
M043-P02.5	1/8	0 - 2.5 bar ✓
M043-P04	1/8	0 - 4 bar ✓
M043-P07	1/8	0 - 7 bar ✓
M043-P12	1/8	0 - 12 bar ✓
M053-P04	1/8	0 - 4 bar ✓
M053-P06	1/8	0 - 6 bar ✓
M053-P12	1/8	0 - 12 bar ✓
M063-P04	1/4	0 - 4 bar ✓
M063-P06	1/4	0 - 6 bar ✓
M063-P12	1/4	0 - 12 bar ✓

## Built-in Pressure Gauge

**New**

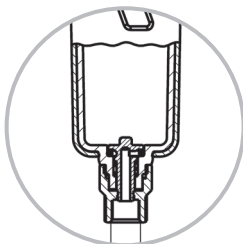


Part Number	Range
MX3-R30/W-P	0 - 2.5 bar ✓
MX3-R31/W-P	0 - 6 bar ✓
MX3-R32/W-P	0 - 10 bar ✓
MX3-R33/W-P	0 - 12 bar ✓

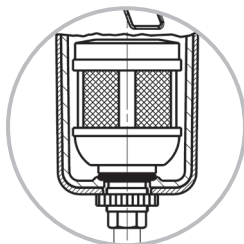
For use with MX2-MX3 products

# Series MD, MX, MC and N Functioning Condensate Drains

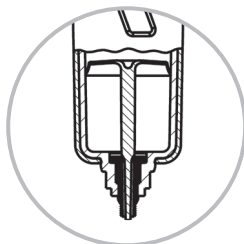
Semi-automatic manual drain    Depressurisation drain, protected  
Automatic drain  
Depressurisation drain                      Connections: 1/8 (without drain)



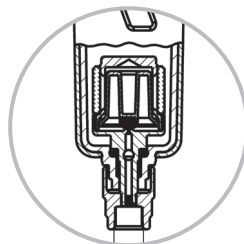
Semi-automatic - manual drain  
**Type 0 and 1**



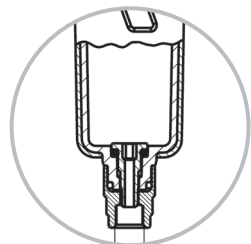
Automatic drain  
**Type 3**



Depressurisation drain  
**Type 4**



Depressurisation drain, protected  
**Type 5**



Connection 1/8 (without drain)  
**Type 8**

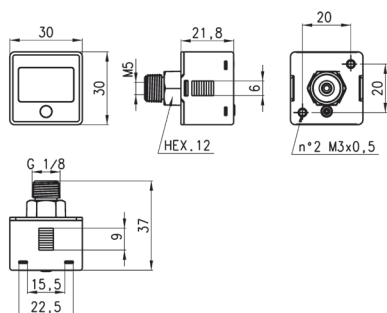


# Series PG Digital Pressure Gauges

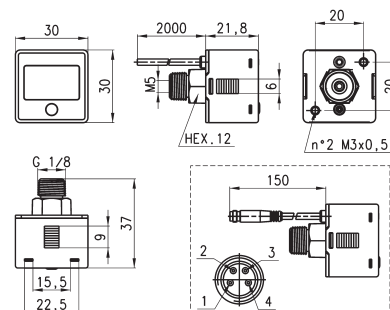
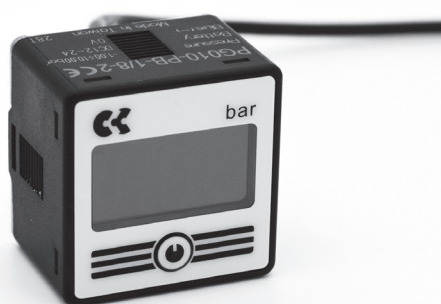
Possibility of a direct mounting with rear or panel connection

Full Data Sheet and Dimensions at <https://store.camozzi.co.uk>

Series PG digital pressure gauges - battery-powered



Series PG digital pressure gauges - with cable



- ✓ Ex Stock
- 🔧 UK Assembly
- ☎ Please Call Sales Office

Part Number	Availability
PG010-PB-1/8	🕒
PG001-VB-1/8	🕒
PG010-PB-1/4	🕒
PG001-VB-1/4	🕒

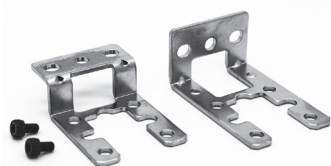
Part Number	Availability
PG010-PB-1/8-2	🕒
PG001-VB-1/8-2	🕒
PG010-PB-1/8-M	🕒
PG001-VB-1/8-M	🕒

## CODING EXAMPLE

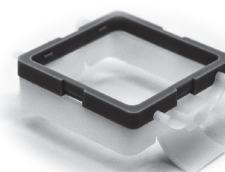
PG	010	-	P	B	-	1/8	-	2
<b>PG</b>	SERIES: PG		<b>P</b>	PRESSURE RANGE: P = Pressure V = Vacuum		<b>1/8</b>	PNEUMATIC CONNECTIONS: 1/8 = 1/8 BSPP; M5 1/4 = 1/4 BSPP; M5 (for battery-powered version only)	
<b>010</b>	BOTTOM SCALE: 010 = 10 bar 001 = -1 bar		<b>B</b>	LIGHTING: B = Back Light		<b>2</b>	ELECTRICAL CONNECTION (for version with cable only): 2 = with unshielded 2-pole cable of 2m M = with cable of 150mm and M8 4-pole connector	

## Accessories

**Mounting Bracket**  
Supplied with:  
1x bracket type A  
1x bracket type B  
2x screws M3x6



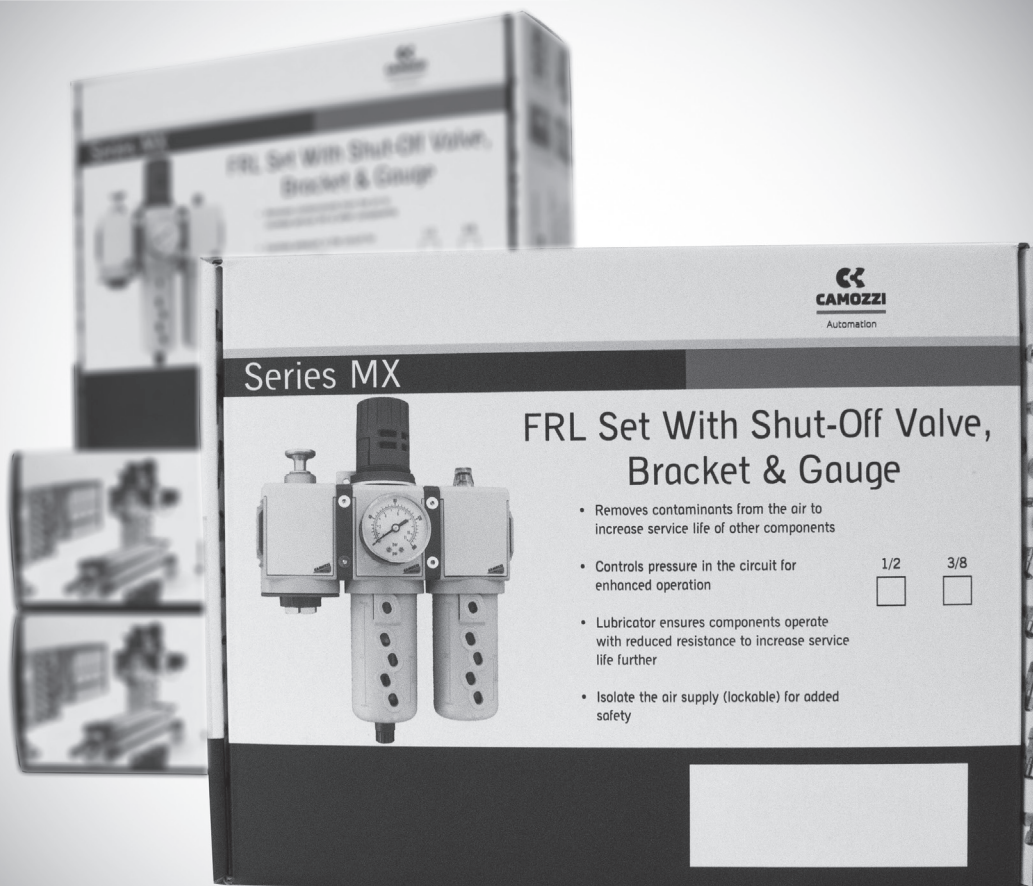
**Panel Mounting Adapter**  
Supplied with:  
1x bracket type A  
1x bracket type B



Part Number	Availability
PG-B	🕒

Part Number	Availability
PG-F	🕒

## AIR TREATMENT BOX SETS REDUCE COSTS AND SAVE TIME



It's no secret that compressed air can be an expensive resource and therefore airline systems need to be protected from further, unnecessary costs. Without air treatment, compressors will push contaminants into airlines. The new box sets from Camozzi efficiently remove these contaminants to keep airline systems running smoothly.

Our pre-assembled air treatment units can be fitted straight from the box, thereby helping to reduce installation time further. Multiple ongoing maintenance tasks can also be completed with speed.

Camozzi's air treatment units are also packed full of safety features. The filter-regulator is tamper-proof as standard and both bowls employ locking systems to reduce any accident risk.

### 1/2 & 3/8

**Removes Contaminants**

**Controls Pressure**

**Extends Component Service Life**

**Increased Safety**

# Pneumatic Connection


## 1 Super-Rapid Fittings

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## 2 Rapid Fittings

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## 3 Compression Fittings




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## 4 Fittings Accessories



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 <p><b>Aluminium Distribution Manifold Blocks</b></p>	280


## 5 OX1 Fittings and Accessories

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 <p><b>New</b> Series 6000 <b>OX1 Push In Fittings</b></p>	281
 <p><b>New</b> Series VNR <b>OX1 Unidirectional Valves</b></p>	282
 <p><b>New</b> Series 2000 <b>OX1 Brass Pipe Fittings</b></p>	282


## 6 Quick-Release Couplings

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## 6 Air Brake Fittings

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## 7 Tube Cutters and Accessories

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# Technical Data

## Media

Push-in Compressed air (brass and technopolymer). Compressed air and water (stainless steel)
Dual Seal Compressed air and any fluids compatible with the materials specified requiring a leak tight seal
Push-on, Compression, Pipe Fittings and Quick Release Couplings Compressed air and other low pressure fluids
C-Truck Compressed air

## Tube Options

Push-in Nylon 6, 11, 12, polyurethane, polyethylene and Hytrel polyester
Push-on As push-in + PVC braided
Dual Seal Nylon 6, 11, 12, polyurethane and Hytrel polyester
Compression Nylon 6, 11, 12 with insert 1320 and annealed copper
Quick Release Couplings Nylon, polyurethane, polyethylene, PVC and rubber hose
C-Truck Polyamide (D/d) 4/2, 6/4, 8/6, 10/8, 12/9, 15/12, 16/13 and 18/14

See individual product pages for operating pressures and temperatures.

## Additional Options

Vacuum: All Camozzi fittings and Quick Release Couplings are suitable for vacuum applications. Check with Camozzi sales office for further information.

Viton O-rings: Available for most products on request

NPT versions: Available for most products on request

## Special Requests

We offer a comprehensive design service to cater for all your special needs. If you cannot find what you need in our catalogue or you have a special request contact the Camozzi sales office with details of your enquiry.

## Assembly Notes for Push-in Fittings

Tube ends should be cut square and be free from scoring or burrs.

The tube should be pushed through the collet and into the fitting until the tube end bottoms out.

To release tube, ensure there is no air present and push the collet ring towards the body of the fitting and withdraw the tube.

## Materials

Push-in Body: Nickel-plated brass (Series 6000) Technopolymer (Series 7000) Stainless steel 316L (Series X6000)
Push-in Collets: Nickel-plated brass (Series 6000) Nickel-plated brass (Series 7000)
Collet and Body O-rings: NBR (Series 6000) NBR (Series 7000)
Thread Seal: PTFE, NBR, Nylon (Series 6000) NBR (Series 7000) FKM (Series X6000)
Push-on Body: Nickel-plated brass (Series 1000) Body O-rings: NBR Thread Seal: PTFE, Nylon, AL
Dual Seal Push-on Body and gripper: Nickel-plated brass Seals: NBR
Compression Nickel-plated brass
Pipe Fittings Body: Nickel-plated brass or 316 (CF8M) Stainless Steel Thread Seal: PTFE (Series S2000)
Quick-Release Couplings Body: Nickel-plated brass (hardened galvanised steel only for couplings with a '8' as the third number in the code) Seals: NBR
C-Truck Body and collet: Brass Locking nut: brass / zinc-plated steel Insert: brass / technopolymer Seals and protective cap: NBR

## Assembly Notes for Compression Fittings

Tube ends should be cut square and concentric. Pass tube through tube nut and into olive.

Position olive so that it is square against the conical face of the body of the fitting.

Run nut onto thread and tighten carefully until olive "bites" onto surface of tube. Do not over tighten as this may result in tube being crushed and the flow being restricted.

The use of a tube insert is recommended for plastic tubes.

## Assembly Notes for Push-on Fittings

Tube ends should be cut square and be free from scoring or burrs.

Slide nut over tube.

Push the tube onto the nipple until the end reaches the shoulder on the body of the fitting.

Screw nut onto thread until finger tight. For additional security, use spanner to tighten through a quarter turn. Do not over tighten.

## Note:

Sprint fittings suitable for use in taper applications

NPT versions available for most products on request.



Main

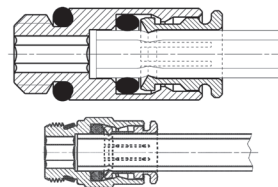


Section

# Series 6000 Brass Nickel Plated Super-Rapid Fittings For Plastic Tubes

Tube external diameters: 3, 4, 5, 6, 8, 10, 12, 14, 16 mm

Threaded connections: metric (M3, M5, M6, M7), BSP (1/8, 1/4, 3/8, 1/2, 3/4), BSPT (1/8, 1/4, 3/8, 1/2)



Operating pressure: min -0.9 bar - max 16 bar (see data for tubing used). Models with Self Retaining Device: min 0 bar - max 16 bar  
 Operating temperature: Series 6000 Micro: -10°C - +80°C. Series 6000: -20°C - +80°C (see data for tubing used)

Connection and disconnection of the tube can be repeated several times and can be performed without the use of tools.

The extractable internal collet allows the sealing ring (O-ring) to be easily replaced if it is damaged or in case of wear of the rubber compound. Full data sheets and dimensions available at <https://store.camozzi.co.uk>

Sprint®



Male Connector	
S6510 4-1/8	✓
S6510 4-1/4	✓
S6510 5-1/8	✓
S6510 5-1/4	✓
S6510 6-1/8	✓
S6510 6-1/4	✓
S6510 6-3/8	✓
S6510 8-1/8	✓
S6510 8-1/4	✓
S6510 8-3/8	✓
S6510 8-1/2	✓
S6510 10-1/4	✓
S6510 10-3/8	✓
S6510 10-1/2	✓
S6510 12-1/4	✓
S6510 12-3/8	✓
S6510 12-1/2	✓
S6510 14-3/8	✓
S6510 14-1/2	✓
S6510 16-1/2	✓
S6510 16-3/4	✓

Sprint®



BSP Male Connector with Self Retaining Device	
S6510 4-1/8-LF	✓
S6510 6-1/8-LF	✓



BSP Male Connector	
6512 3-M3 <sup>0</sup>	✓
6512 3-M5*	✓
6512 4-M7-M*	✓
6512 4-1/8-M*Y	✓
6512 6-M7-M*	✓
6512 6-1/8-M*Y	✓
6512 8-1/8-M*Y	✓
6512 10-1/4-M*	✓

<sup>0</sup> = with mod. 2661 assembled  
 \* = with O-ring assembled  
 \*Y = with O-ring assembled  
 It can be connected also to valve islands Series Y



Note: with O-Ring

BSP Male Connector	
6512 4-M5	✓
6512 4-M6	✓
6512 4-1/8	✓
6512 4-1/4	✓
6512 5-M5	✓
6512 6-M5	✓
6512 6-M6	✓
6512 6-1/8	✓
6512 6-1/4	✓
6512 8-1/8	✓
6512 8-1/4	✓
6512 8-3/8	✓
6512 10-1/4	✓
6512 10-3/8	✓
6512 10-1/2	✓
6512 12-1/4	✓
6512 12-3/8	✓
6512 12-1/2	✓
6512 14-3/8	✓
6512 14-1/2	✓
6512 16-1/2	✓

PNEUMATIC CONNECTION



BSP Female Connector	
6463 4-M5	✓
6463 4-1/8	✓
6463 5-1/8	✓
6463 6-1/8	✓
6463 6-1/4	✓
6463 8-1/8	✓
6463 8-1/4	✓
6463 10-1/4	✓



Swivel Male Elbow	
S6520 4-1/8	✓
S6520 4-1/4	✓
S6520 5-1/8	✓
S6520 5-1/4	✓
S6520 6-1/8	✓
S6520 6-1/4	✓
S6520 6-3/8	✓
S6520 8-1/8	✓
S6520 8-1/4	✓
S6520 8-3/8	✓
S6520 8-1/2	✓
S6520 10-1/4	✓
S6520 10-3/8	✓
S6520 10-1/2	✓
S6520 12-1/4	✓
S6520 12-3/8	✓
S6520 12-1/2	✓
S6520 14-3/8	✓
S6520 14-1/2	✓



BSP Swivel Male Elbow	
6522 3-M3 <sup>0</sup>	✓
6522 3-M5*	✓

Swivel elbow  
<sup>0</sup> = with mod. 2661 assembled  
 \* = with O-ring assembled



Note: with O-Ring

BSP Swivel Male Elbow	
6522 4-M5	✓
6522 4-1/8	✓
6522 4-1/4	✓
6522 5-M5	✓
6522 6-M5	✓
6522 6-1/8	✓
6522 6-1/4	✓
6522 8-1/8	✓
6522 8-1/4	✓
6522 8-3/8	✓
6522 10-1/4	✓
6522 10-3/8	✓
6522 10-1/2	✓
6522 12-1/4	✓
6522 12-3/8	✓
6522 12-1/2	✓
6522 14-3/8	✓
6522 14-1/2	✓

**Availability**

- ✓ Ex Stock
- 🔧 UK Assembly
- 📞 Please Call Sales Office

Series 6000 Super-Rapid Fittings For Plastic Tubes

Availability

- ✓ Ex Stock
- 🔧 UK Assembly
- 📞 Please Call Sales Office

PNEUMATIC CONNECTION

Sprint®



Fixed Male Elbow	
S6500 4-1/8	✓
S6500 4-1/4	✓
S6500 5-1/8	✓
S6500 5-1/4	✓
S6500 6-1/8	✓
S6500 6-1/4	✓
S6500 8-1/8	✓
S6500 8-1/4	✓
S6500 8-3/8	✓
S6500 10-1/4	✓
S6500 10-3/8	✓
S6500 12-1/4	✓
S6500 12-3/8	✓

Sprint®



Long Swivel Male Elbow	
6525 6 -1/8	✓
6525 6 -1/4	✓
6525 8 -1/8	✓
6525 8 -1/4	✓



BSP Adjustable Single Banjo	
6621 3 -M3	✓
6621 3 -M5	✓
Adjustable with mod. 2661 assembled	



BSP Fix Male Elbow	
6501 4 -M5	✓
With mod. 2661 assembled	



Main



Section

Sprint®



Swivel Male Tee	
S6430 4-1/8	✓
S6430 5-1/8	✓
S6430 5-1/4	✓
S6430 6-1/8	✓
S6430 6-1/4	✓
S6430 8-1/8	✓
S6430 8-1/4	✓
S6430 8-3/8	✓
S6430 10-1/4	✓
S6430 10-3/8	✓
S6430 10-1/2	✓
S6430 12-1/4	✓
S6430 12-3/8	✓
S6430 12-1/2	✓
S6430 14-1/2	✓



BSP Swivel Male Tee	
6432 3 -M3 <sup>o</sup>	✓
6432 3 -M5*	✓
<sup>o</sup> = with mod. 2661 assembled	
* = with O-ring assembled	



BSP Swivel Male Tee	
6432 4 -M5	✓
6432 4 -1/8	✓
6432 5 -M5	✓
6432 6 -1/8	✓
6432 6 -1/4	✓
6432 8 -1/8	✓
6432 8 -1/4	✓
6432 8 -3/8	✓
6432 10-1/4	✓
6432 10-3/8	✓
6432 12-1/4	✓
6432 12-3/8	✓

Sprint®



Lateral Swivel Male Tee	
S6440 4-1/8	✓
S6440 5-1/8	✓
S6440 6-1/8	✓
S6440 6-1/4	✓
S6440 8-1/8	✓
S6440 8-1/4	✓
S6440 8-3/8	✓
S6440 10-1/4	✓
S6440 10-3/8	✓
S6440 12-3/8	✓
S6440 14-1/2	✓

Series 6000 Super-Rapid Fittings For Plastic Tubes

Availability

- ✓ Ex Stock
- 🔧 UK Assembly
- 📞 Please Call Sales Office



Lateral BSP Swivel Male Tee	
6442 3-M3 <sup>o</sup>	✓
6442 3-M5*	✓

<sup>o</sup> = with mod. 2661 assembled  
\* = with O-ring assembled

Note:  
with O-Ring

Lateral BSP Swivel Male Tee	
6442 4 -M5	✓
6442 4 -1/8	✓
6442 5 -M5	✓
6442 6 -1/8	✓
6442 6 -1/4	✓
6442 8 -1/8	✓
6442 8 -1/4	✓
6442 8 -3/8	✓
6442 10-1/4	✓
6442 10-3/8	✓
6442 12-1/4	✓
6442 12-3/8	✓

BSP Swivel Male Y	
6452 3 -M3 <sup>o</sup>	✓
6452 3 -M5*	✓

<sup>o</sup> = with gasket  
\* = with O-ring

BSP Male Y	
6451 4-M5*	✓
6451 6-M5*	✓

Swivel Male Y	
S6450 4-1/8	✓
S6450 6-1/8	✓
S6450 8-1/8	✓
S6450 8-1/4	✓

\* = non swivel model with gasket



Note:  
with O-Ring

BSP Swivel Single Banjo	
6622 4 -M5	✓
6622 4 -1/8	✓
6622 6 -1/8	✓
6622 6 -1/4	✓
6622 8 -1/8	✓
6622 8 -1/4	✓
6622 10-1/4	✓

Note:  
with O-Ring

BSP Swivel Double Banjo	
6632 4 -1/8	✓
6632 6 -1/8	✓
6632 6 -1/4	✓
6632 8 -1/8	✓
6632 8 -1/4	✓
6632 10-1/4	✓

Double Banjo	
6620 4 -M5 <sup>o</sup>	✓
6620 4-1/8*	✓
6620 6-1/8*	✓
6620 6-1/4*	✓
6620 8-1/8*	✓
6620 8-1/4*	✓

Assembly with Mod.  
<sup>o</sup> = SCU, SVU, SCO...  
\* = 1631, 1635, SCU, SVU, SCO...  
See Page 272

Banjo Bolts	
1631 01...	✓
1631 02...	✓
1631 03...	✓

01... = Single Banjo Stem  
02... = Double Banjo Stem  
03... = Triple Banjo Stem  
See Page 272

Series 6000 Super-Rapid Fittings For Plastic Tubes

Availability

- ✓ Ex Stock
- 🔧 UK Assembly
- 📞 Please Call Sales Office



Single Banjo	
6610 4 -M5°	✓
6610 4 -M6°	✓
6610 4-1/8*	✓
6610 5 -M5°	✓
6610 5 -M6°	✓
6610 5-1/8*	✓
6610 6 -M5°	✓
6610 6 -M6°	✓
6610 6-1/8*	✓
6610 6-1/4*	✓
6610 8-1/8*	✓
6610 8-1/4*	✓
6610 8-3/8*	✓
6610 10-1/4**	✓
6610 10-3/8**	✓
6610 12-1/2^	✓

Assembly with Mod.

- ° = 1631
- ° = SCU, SVU, SCO...
- \* = 1631, 1635, SCU, SVU, SCO...
- \*\* = 1635, SCU, SVU, SCO...
- ^ = 1635

Sprint®



\*Note:  
with O-Ring

Male Adaptor	
6811 4 -M5*	✓
6811 4 -1/8	✓
6811 5 -1/8	✓
6811 5 -1/4	✓
6811 6 -1/8	✓
6811 6 -1/4	✓
6811 8 -1/8	✓
6811 8 -1/4	✓
6811 10-1/4	✓
6811 10-3/8	✓
6811 12-3/8	✓
6811 14-1/2	✓

Sprint®



45° Male Elbow	
S6110 6-1/8	✓
S6110 6-1/4	✓
S6110 8-1/8	✓
S6110 8-1/4	✓
S6110 8-3/8	✓
S6110 10-1/4	✓
S6110 10-3/8	✓
S6110 10-1/2	✓
S6110 12-1/4	✓
S6110 12-3/8	✓
S6110 12-1/2	✓



Bulkhead Connector	
6590 3	✓



Bulkhead Connector	
6590 4	✓
6590 5	✓
6590 6	✓
6590 8	✓
6590 10	✓
6590 12	✓
6590 14	✓



Union Connector	
6580 3	✓



Union Connector	
6580 4	✓
6580 5	✓
6580 6	✓
6580 8	✓
6580 10	✓
6580 12	✓
6580 14	✓
6580 16	✓



Reducer Union Connector	
6580 6-4	✓
6580 8-6	✓
6580 10-8	✓
6580 12-10	✓



BSP Female Bulkhead	
6593 6-1/8	✓
6593 6-1/4	✓
6593 8-1/8	✓
6593 8-1/4	✓
6593 10-3/8	✓



Elbow Connector	
6550 3	✓



Elbow Connector	
6550 4	✓
6550 5	✓
6550 6	✓
6550 8	✓
6550 10	✓
6550 12	✓
6550 14	✓



Tee Connector	
6540 3	✓



Series 6000 Super-Rapid Fittings For Plastic Tubes

Availability

- ✓ Ex Stock
- 🔧 UK Assembly
- 📞 Please Call Sales Office



Tee Connector		
6540	4	✓
6540	5	✓
6540	6	✓
6540	8	✓
6540	10	✓
6540	12	✓
6540	14	✓



Cross Junction		
6600	4	✓
6600	5	✓
6600	6	✓
6600	8	✓
6600	10	✓
6600	12	✓



Y Union		
6560	3	✓



Y Union		
6560	4	✓
6560	6	✓
6560	8	✓
6560	10	✓



Cartridge		
6700	3	✓



Press Fit Cartridge		
6700	4	✓
6700	5	✓
6700	6	✓
6700	8	✓
6700	10	✓



Female Plug		
6750	4	✓
6750	6	✓
6750	8	✓
6750	10	✓
6750	12	✓



Enlarger Junction		
6850	6-4	✓
6850	8-6	✓



Reducer Junction		
6800	3-4	✓



Reducer Junction		
6800	4-5	✓
6800	4-6	✓
6800	4-8	✓
6800	5-6	✓
6800	5-8	✓
6800	6-8	✓
6800	6-10	✓
6800	6-12	✓
6800	8-10	✓
6800	8-12	✓
6800	10-12	✓
6800	10-14	✓
6800	12-14	✓



Junction		
6950	4	✓
6950	6	✓
6950	8	✓
6950	10	✓
6950	12	✓
6950	14	✓



Junction Elbow		
6555	4-4	✓
6555	6-6	✓
6555	8-8	✓
6555	10-10	✓

Series 6000 Super-Rapid Fittings For Plastic Tubes

Availability

- ✓ Ex Stock
- 🔧 UK Assembly
- 📞 Please Call Sales Office



Protection Cap	
6708 4	✓
6708 5	✓
6708 6	✓
6708 8	✓
6708 10	✓
6708 12	✓
6708 14	✓

Colour: Black  
Self-extinguishing material,  
class V0



Plastic Male Plug	
6900 3	✓



Plastic Male Plug	
6900 4	✓
6900 5	✓
6900 6	✓
6900 8	✓
6900 10	✓
6900 12	✓
6900 14	✓



The set includes keys to disconnect tubes with diameters between 4 and 12mm

Part Number	
SP	✓



Main



Section



For Tubing  
From page 348



For Banjo Bolts  
See Page 272

# UK Online Store



## Request an account today

- Instantly check price and availability
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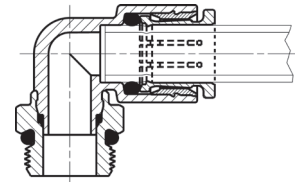
<https://store.camozzi.co.uk>



# Series 7000 Super-Rapid Compact Fittings in Technopolymer

Tube external diameters: 4, 6, 8, 10, 12, 16mm

Connections: metric (M5, M7), BSP (1/8, 1/4, 3/8, 1/2, 3/4)



Operating pressure: min -0.9 bar - max 16 bar (see data for tubing used).

Models with Self Retaining Device: min 0 bar - max 16 bar

Operating temperature: -20°C - +60°C (see data for tubing used)

These models have been released in technopolymer, maintaining the same technical characteristics as the existing Camozzi fittings range.

Lightweight, adaptable and they allow for easy maintenance of the collet and the internal seal.

All materials, with the exception of the internal seals, can easily be recycled.

Full data sheets and dimensions available at <https://store.camozzi.co.uk>

**Availability**

- ✓ Ex Stock
- ✓ UK Assembly
- ☉ Please Call Sales Office



BSP Male Swivel Elbow	
7522 4-M5	✓
7522 4-M7	✓
7522 4-1/8	✓
7522 4-1/4	✓
7522 6-M5	✓
7522 6-M7	✓
7522 6-1/8	✓
7522 6-1/4	✓
7522 8-1/8	✓
7522 8-1/4	✓
7522 8-3/8	✓
7522 10-1/4	✓
7522 10-3/8	✓
7522 10-1/2	✓
7522 12-1/4	✓
7522 12-3/8	✓
7522 12-1/2	✓
7522 16-1/2	✓
7522 16-3/4	✓



Long BSP Swivel Elbow Self Retaining	
7522 4-1/8-LF	✓
7522 6-1/8-LF	✓



Long BSP Swivel Elbow	
7526 4-M7	✓
7526 4-1/8	✓
7526 6-M7	✓
7526 6-1/8	✓
7526 6-1/4	✓
7526 8-1/8	✓
7526 8-1/4	✓



Lateral BSP Swivel Male Tee	
7442 4-1/8	✓
7442 6-1/8	✓
7442 6-1/4	✓
7442 8-1/8	✓
7442 8-1/4	✓
7442 8-3/8	✓
7442 10-1/4	✓
7442 10-3/8	✓
7442 12-3/8	✓
7442 12-1/2	✓
7442 16-1/2*	✓
7442 16-3/4*	✓

\*model without mounting holes



BSP Swivel Male Multi Tee Reducer	
7542 6-4-1/8	✓
7542 6-4-1/4	✓
7542 8-6-1/8	✓
7542 8-6-1/4	✓
7542 10-8-1/4	✓
7542 10-8-3/8	✓



BSP Swivel Male Tee	
7432 4-M5	✓
7432 4-1/8	✓
7432 6-M5	✓
7432 6-1/8	✓
7432 6-1/4	✓
7432 8-1/8	✓
7432 8-1/4	✓
7432 8-3/8	✓
7432 10-1/4	✓
7432 10-3/8	✓
7432 12-1/4	✓
7432 12-3/8	✓
7432 12-1/2	✓
7432 16-1/2	✓
7432 16-3/4	✓



BSP Swivel Male Y	
7562 4-1/8	✓
7562 6-1/8	✓
7562 6-1/4	✓
7562 8-1/8	✓
7562 8-1/4	✓
7562 10-1/4	✓
7562 10-3/8	✓



BSP Swivel Male Double Y	
7572 4-1/8	✓
7572 4-1/4	✓
7572 6-1/8	✓
7572 6-1/4	✓



Main



Section

Series 7000 Super-Rapid Compact Fittings in Technopolymer

Availability

- ✓ Ex Stock
- 🔧 UK Assembly
- 📞 Please Call Sales Office



BSP Swivel Single Banjo	
7622 4-1/8	✓
7622 6-1/8	✓
7622 6-1/4	✓
7622 8-1/8	✓
7622 8-1/4	✓
7622 10-1/4	✓
7622 10-3/8	✓
7622 12-3/8	✓



BSP Swivel Double Banjo	
7652 4-1/8	✓
7652 6-1/8	✓
7652 6-1/4	✓
7652 8-1/8	✓
7652 8-1/4	✓
7652 10-1/4	✓
7652 10-3/8	✓



Single Banjo	
7610 4-1/8	✓
7610 6-1/8	✓
7610 6-1/4	✓
7610 8-1/8	✓
7610 8-1/4	✓
7610 10-1/4	✓
7610 10-3/8	✓
7610 12-3/8	✓



Double Banjo	
7640 4-1/8	✓
7640 6-1/8	✓
7640 6-1/4	✓
7640 8-1/8	✓
7640 8-1/4	✓
7640 10-1/4	✓

Assembly with  
Mod. 7632 02, 7632 03



Double Banjo Stem	
7632 02-1/8	✓
7632 02-1/4	✓
7632 02-3/8	✓

Assembly with adjustable fittings Mod. 7610, 7640



Triple Banjo Stem	
7632 03-1/8	✓
7632 03-1/4	✓

Assembly with adjustable fittings Mod. 7610, 7640



BSP Double Adjustable Single Banjo	
7612 02-4-1/8	✓
7612 02-6-1/8	✓
7612 02-6-1/4	✓
7612 02-8-1/8	✓
7612 02-8-1/4	✓
7612 02-10-1/4	✓
7612 02-10-3/8	✓
7612 02-12-3/8	✓



BSP Triple Adjustable Single Banjo	
7612 03-4-1/8	✓
7612 03-6-1/8	✓
7612 03-6-1/4	✓
7612 03-8-1/8	✓
7612 03-8-1/4	✓
7612 03-10-1/4	✓



BSP Double Adjustable Double Banjo	
7642 02-4-1/8	✓
7642 02-6-1/8	✓
7642 02-6-1/4	✓
7642 02-8-1/8	✓
7642 02-8-1/4	✓
7642 02-10-1/4	✓



BSP Triple Adjustable Double Banjo	
7642 03-4-1/8	✓
7642 03-6-1/8	✓
7642 03-6-1/4	✓
7642 03-8-1/8	✓
7642 03-8-1/4	✓
7642 03-10-1/4	✓



Reducer Junction	
7800 4-6	✓
7800 4-8	✓
7800 6-8	✓
7800 6-10	✓
7800 6-12	✓
7800 8-10	✓
7800 8-12	✓
7800 10-12	✓
7800 10-14	✓



Junction Elbow	
7555 4-4	✓
7555 6-6	✓
7555 8-8	✓
7555 10-10	✓
7555 12-12	✓

Series 7000 Super-Rapid Compact Fittings in Technopolymer

Availability

- ✓ Ex Stock
- 🔧 UK Assembly
- 📞 Please Call Sales Office

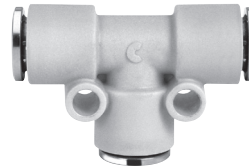


Union Connector	
7580 4	✓
7580 6	✓
7580 8	✓
7580 10	✓
7580 12	✓



Elbow Connector	
7550 4	✓
7550 6	✓
7550 8	✓
7550 10	✓
7550 12	✓
7550 16*	✓

\* = model without mounting holes



Tee Connector	
7540 4	✓
7540 6	✓
7540 8	✓
7540 10	✓
7540 12	✓
7540 16*	✓

\* = model without mounting holes



Multi Tee Reducer	
7545 6-4	✓
7545 8-6	✓
7545 10-8	✓



Y Connector Reducer	
7560 4	✓
7560 6	✓
7560 8	✓
7560 10	✓
7560 6-4	✓
7560 8-6	✓
7560 10-8	✓



Double Y Reducer	
7575 6-4	✓
7575 8-6	✓



Plastic Junction	
7950 4	✓
7950 6	✓
7950 8	✓
7950 10	✓
7950 12	✓



For Super-Rapid Fittings  
See 256-261



For Tubing  
From page 348



# Series 7000 Fluidics in Technopolymer for Water Cooling Applications

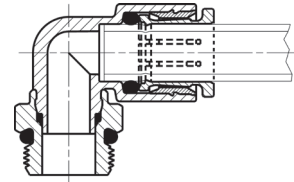
Tube external diameters: 6, 8, 10, 12, 16mm

Fittings Threads: BSP (1/8, 1/4, 3/8, 1/2, 3/4), M5

Series 7000 Fluidics push-in fittings enable smooth passage of fluids in cooling systems. Liquid cooling systems are considered to be better than air cooling, in terms of efficiency, effectiveness, compactness and noise in a wide range of applications from computer servers to industrial equipment. The Series 7000 Fluidics fitting range has been designed with a special technopolymer, based on renewable raw materials, that allows the component to resist water absorption, temperature variations and cooling liquid additives. The material maintains constant dimensional stability in contact with different fluids and does not breakdown with age.

Full data sheets and dimensions available at <https://store.camozzi.co.uk>

**New**



**Availability**

- ✓ Ex Stock
- 🔧 UK Assembly
- 📞 Please Call Sales Office

PNEUMATIC CONNECTION

Diameters	Ø6mm	Ø8mm	Ø10mm	Ø12mm	Ø16mm
Working Pressure at -20° / +40°	16bar	16bar	14bar	14bar	12bar
Working Pressure at -20° / +70°	16bar	14bar	12bar	10bar	8bar
Working Pressure at -20° / +100°	14bar	12bar	10bar	8bar	6bar



BSP Male Connector	
F6512 6-1/8K	⊗
F6512 6-1/4K	⊗
F6512 8-1/8K	⊗
F6512 8-1/4K	⊗
F6512 8-3/8K	⊗
F6512 10-1/4K	⊗
F6512 10-3/8K	⊗
F6512 10-1/2K	⊗
F6512 12-3/8K	⊗
F6512 12-1/2K	⊗
F6512 16-1/2K	⊗
F6512 16-3/4K	⊗



BSP Female Connector	
F6463 6-1/8K	⊗
F6463 6-1/4K	⊗
F6463 8-1/8K	⊗
F6463 8-1/4K	⊗
F6463 8-3/8K	⊗
F6463 10-1/4K	⊗
F6463 10-3/8K	⊗
F6463 10-1/2K	⊗
F6463 12-3/8K	⊗
F6463 12-1/2K	⊗
F6463 16-1/2K	⊗
F6463 16-3/4K	⊗



Cartridge	
F6700 6K	⊗
F6700 8K	⊗
F6700 10K	⊗



BSP Male Swivel Elbow	
F7522 6-M5K	⊗
F7522 6-1/8K	⊗
F7522 6-1/4K	⊗
F7522 8-1/8K	⊗
F7522 8-1/4K	⊗
F7522 8-3/8K	⊗
F7522 10-1/4K	⊗
F7522 10-3/8K	⊗
F7522 10-1/2K	⊗
F7522 12-1/4K	⊗
F7522 12-3/8K	⊗
F7522 12-1/2K	⊗
F7522 16-1/2K	⊗
F7522 16-3/4K	⊗



Long BSP Male Swivel Elbow	
F7526 6-1/8K	⊗
F7526 6-1/4K	⊗
F7526 8-1/8K	⊗
F7526 8-1/4K	⊗
F7526 8-3/8K	⊗
F7526 10-1/4K	⊗
F7526 10-3/8K	⊗
F7526 10-1/2K	⊗
F7526 12-3/8K	⊗
F7526 12-1/2K	⊗
F7526 16-1/2K	⊗
F7526 16-3/4K	⊗



Elbow Connector	
F7550 6	⊗
F7550 8	⊗
F7550 10	⊗
F7550 12	⊗
F7550 16	⊗



Union Connector	
F7580 6	⊗
F7580 8	⊗
F7580 10	⊗
F7580 12	⊗



Tee Connector	
F7540 6	⊗
F7540 8	⊗
F7540 10	⊗
F7540 12	⊗
F7540 16	⊗



Main



Section

Series 7000 Fluidics in Technopolymer for Water Cooling Applications

Availability

- ✓ Ex Stock
- 🔧 UK Assembly
- 📞 Please Call Sales Office



Y Connector Reducer	
F7560 6	📞
F7560 8	📞
F7560 10	📞



Multi Tee Reducer	
F7545 8-6	📞
F7545 10-8	📞



Junction Elbow	
F7555 6-6	📞
F7555 8-8	📞
F7555 10-10	📞
F7555 12-12	📞



Reducer Junction	
F7800 4-6	📞
F7800 4-8	📞
F7800 6-8	📞
F7800 6-10	📞
F7800 6-12	📞
F7800 8-10	📞
F7800 8-12	📞
F7800 10-12	📞



Female Plug	
F6750 6K	📞
F6750 8K	📞
F6750 10K	📞
F6750 12K	📞
F6750 16K	📞



Plastic Male Plug	
6900 6	📞
6900 8	📞
6900 10	📞
6900 12	📞



BSP Male Plug	
2611 1/8	📞
2611 1/4	📞
2611 3/8	📞
2611 1/2	📞
2611 1	📞



Aluminium Distribution Manifold Blocks  
From page 280

PNEUMATIC CONNECTION

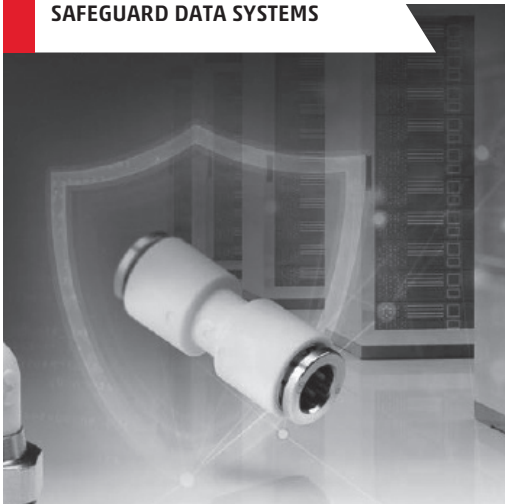


Main

Section



**KEEP COOL**  
SAFEGUARD DATA SYSTEMS



**KEEP COOL**  
ENHANCE MACHINE PERFORMANCE



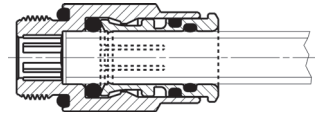
# Series 8000 Brass Nickel Plated Dual Seal Push-In Fittings

Tube external diameters: 4 - 6 - 8 - 10 and 12mm

Connections: BSP (1/8, 1/4, 3/8, 1/2)

Operating pressure: min -0.9 bar to max 60 bar (see data for tubing used)

Operating temperature: -20°C - +80°C



The Camozzi range of dual seal super rapid push in fittings are designed to assist with the assembly of high pressure fluid systems up to 60 bar.

For technical specifications and assembly notes see page 255

Full data sheets and dimensions available at <https://store.camozzi.co.uk>

**Availability**

- ✓ Ex Stock
- 🔧 UK Assembly
- 📞 Please Call Sales Office

PNEUMATIC CONNECTION



Note:  
with O-Ring



Note:  
with O-Ring



Note:  
with O-Ring



BSP Male Connector		
8512 4 -1/8	📞	
8512 6 -1/8	📞	
8512 6 -1/4	📞	
8512 8 -1/8	📞	
8512 8 -1/4	📞	
8512 10-1/4	📞	
8512 10-3/8	📞	
8512 12-3/8	📞	
8512 12-1/2	📞	

BSP Swivel Male Elbow		
8522 4 -1/8	📞	
8522 6 -1/8	📞	
8522 6 -1/4	📞	
8522 8 -1/8	📞	
8522 8 -1/4	📞	
8522 10-1/4	📞	
8522 10-3/8	📞	
8522 12-3/8	📞	
8522 12-1/2	📞	

BSP Swivel Male Tee		
8432 4 -1/8	📞	
8432 6 -1/8	📞	
8432 8 -1/8	📞	
8432 8 -1/4	📞	

Union Connector		
8580 4	📞	
8580 6	📞	
8580 8	📞	



Elbow Connector		
8550 4	📞	
8550 6	📞	
8550 8	📞	



Tee Connector		
8540 4	📞	
8540 6	📞	
8540 8	📞	



**For Tubing**  
From page 348





# Series H8000 Brass Nickel Plated Dual Seal Super-Rapid Fittings

Tube external diameters: 4 - 6 - 8 - 10 - 12mm

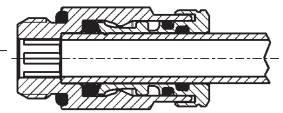
Fitting threads: BSP (1/8, 1/4, 3/8, 1/2)

Working pressure: min -0.9 bar to max 60 bar

Operating temperature: With FKM seals (standard): -15°C - +200°C (dry air)

With EPDM (upon request): -40°C - 110°C

With NBR seals (upon request): -20°C - 80°C



Series H8000 fittings are designed to be used in particularly dirty and dusty working environments. The patented system with double tightening on the tube guarantees a highly reliable connection and avoids any risk of leakage. Full data sheets and dimensions available at <https://store.camozzi.co.uk>

#### Availability

- ✓ Ex Stock
- 🔧 UK Assembly
- 📞 Please Call Sales Office



BSP Male Connector	
H8512 4-1/8-V	🕒
H8512 6-1/8-V	🕒
H8512 6-1/4-V	🕒
H8512 8-1/8-V	🕒
H8512 8-1/4-V	🕒
H8512 8-3/8-V	🕒
H8512 10-1/8-V	🕒
H8512 10-1/4-V	🕒
H8512 10-3/8-V	🕒
H8512 10-1/2-V	🕒
H8512 12-1/4-V	🕒
H8512 12-3/8-V	🕒
H8512 12-1/2-V	🕒



BSP Swivel Male Elbow	
H8522 4-1/8-V	🕒
H8522 6-1/8-V	🕒
H8522 6-1/4-V	🕒
H8522 8-1/8-V	🕒
H8522 8-1/4-V	🕒
H8522 8-3/8-V	🕒
H8522 10-1/8-V	🕒
H8522 10-1/4-V	🕒
H8522 10-3/8-V	🕒
H8522 10-1/2-V	🕒
H8522 12-1/4-V	🕒
H8522 12-3/8-V	🕒
H8522 12-1/2-V	🕒



Union Connector	
H8580 4-V	🕒
H8580 6-V	🕒
H8580 8-V	🕒
H8580 10-V	🕒
H8580 12-V	🕒



Union Connector	
H8540 4-V	🕒
H8540 6-V	🕒
H8540 8-V	🕒
H8540 10-V	🕒
H8540 12-V	🕒



Elbow Connector	
H8550 4-V	🕒
H8550 6-V	🕒
H8550 8-V	🕒
H8550 10-V	🕒
H8550 12-V	🕒



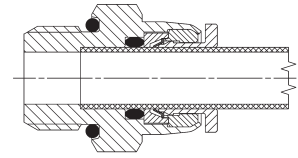
Main



Section

# Series X6000 Super-Rapid Fittings in 316L Stainless Steel

Tube external diameters: 4, 6, 8, 10, 12mm  
 Fittings threads: BSP (1/8, 1/4, 3/8, 1/2)  
 BSPT (1/8, 1/4, 3/8, 1/2)



Operating pressure: max 18 bar (see data for tubing used)  
 Operating temperature: -15°C - +150°C (see data for tubing used)  
 Series X6000 fittings in Stainless Steel 316L allow the connection of fluids even in aggressive environments.

They are suitable for applications in the pneumatics, fluids, chemical, medical, food and packaging industries.  
 Full data sheets and dimensions available at <https://store.camozzi.co.uk>

- Availability**
- ✓ Ex Stock
  - 🔧 UK Assembly
  - 📞 Please Call Sales Office

PNEUMATIC CONNECTION



BSPT Male Connector	
X6510 4-1/8	☉
X6510 4-1/4	☉
X6510 6-1/8	☉
X6510 6-1/4	☉
X6510 8-1/8	☉
X6510 8-1/4	☉
X6510 10 -1/4	☉
X6510 10 -3/8	☉
X6510 10 -1/2	☉
X6510 12 -1/4	☉
X6510 12 -3/8	☉
X6510 12 -1/2	☉

BSP Male Connector	
X6512 4-1/8	☉
X6512 4-1/4	☉
X6512 6-1/8	☉
X6512 6-1/4	☉
X6512 8-1/8	☉
X6512 8-1/4	☉
X6512 10-1/4	☉
X6512 10-3/8	☉
X6512 10-1/2	☉
X6512 12-1/4	☉
X6512 12-3/8	☉
X6512 12-1/2	☉

BSPT Fix Elbow	
X6500 4-1/8	☉
X6500 6-1/8	☉
X6500 6-1/4	☉
X6500 8-1/8	☉
X6500 8-1/4	☉
X6500 10-1/4	☉
X6500 10-3/8	☉
X6500 12-1/4	☉
X6500 12-3/8	☉

BSPT Swivel Male Elbow	
X6520 4-1/8	☉
X6520 4-1/4	☉
X6520 6-1/8	☉
X6520 6-1/4	☉
X6520 8-1/8	☉
X6520 8-1/4	☉
X6520 10-1/4	☉
X6520 10-3/8	☉
X6520 12-1/4	☉
X6520 12-3/8	☉
X6520 12-1/2	☉



BSPT Swivel Male Tee	
X6430 4-1/8	☉
X6430 4-1/4	☉
X6430 6-1/8	☉
X6430 6-1/4	☉
X6430 8-1/8	☉
X6430 8-1/4	☉
X6430 10 -1/4	☉
X6430 10 -3/8	☉
X6430 12 -1/4	☉
X6430 12 -3/8	☉
X6430 12 -1/2	☉

BSP Swivel Male Elbow	
X6522 4-1/8	☉
X6522 4-1/4	☉
X6522 6-1/8	☉
X6522 6-1/4	☉
X6522 8-1/8	☉
X6522 8-1/4	☉
X6522 10 -1/4	☉
X6522 10 -3/8	☉
X6522 12 -1/4	☉
X6522 12 -3/8	☉
X6522 12 -1/2	☉

BSP Swivel Male Tee	
X6432 4-1/8	☉
X6432 4-1/4	☉
X6432 6-1/8	☉
X6432 6-1/4	☉
X6432 8-1/8	☉
X6432 8-1/4	☉
X6432 10 -1/4	☉
X6432 10 -3/8	☉
X6432 12 -1/4	☉
X6432 12 -3/8	☉
X6432 12 -1/2	☉

Union Connector	
X6580 4	☉
X6580 6	☉
X6580 8	☉
X6580 10	☉
X6580 12	☉



### Series X6000 Super-rapid Fittings

#### Availability

- ✓ Ex Stock
- 🇬🇧 UK Assembly
- 📞 Please Call Sales Office



Elbow Connector	
X6550 4	📞
X6550 6	📞
X6550 8	📞
X6550 10	📞
X6550 12	📞

Tee Connector	
X6540 4	📞
X6540 6	📞
X6540 8	📞
X6540 10	📞
X6540 12	📞

Bulkhead Connector	
X6590 4	📞
X6590 6	📞
X6590 8	📞
X6590 10	📞
X6590 12	📞

Reducer Tube/Stem	
X6800 4-6	📞
X6800 4-8	📞
X6800 6-8	📞
X6800 6-10	📞
X6800 6-12	📞
X6800 8-10	📞
X6800 8-12	📞
X6800 10-12	📞

## Series 1000 Brass Nickel Plated Rapid Push-On Fittings For Plastic Tubes

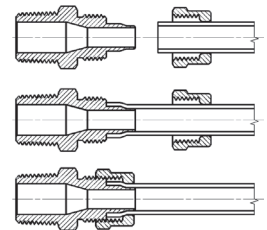
Tube external diameters: 5/3, 6/4, 8/6, 10/8, 12/10, 15/12.5mm  
 Connections: metric (M5, M6, M12x1, M12x1.25), BSP (1/8, 1/4, 3/8, 1/2), BSPT (1/8, 1/4, 3/8, 1/2)

Operating pressure: the nominal pressure of the fittings is always higher than the pressure of the tube.  
 Operating temperature: -20°C - +80°C (see data for tubing used).

The Camozzi range of rapid push-on fittings are designed to assist with the assembly of fluid power components and systems.

For technical specifications and assembly notes see page 255

Full data sheets and dimensions available at <https://store.camozzi.co.uk>



#### Availability

- ✓ Ex Stock
- 🇬🇧 UK Assembly
- 📞 Please Call Sales Office



Sprint\*



BSPT Male Connector	
1510 5/3-1/8	✓
1510 6/4-1/8	✓
1510 6/4-1/4	✓
1510 6/4-3/8	✓
1510 6/4-1/2	✓
1510 6/4-M12x1.25	✓
1510 8/6-1/8	✓
1510 8/6-1/4	✓
1510 8/6-3/8	✓
1510 8/6-1/2	✓
1510 10/8-1/8	✓
1510 10/8-1/4	✓
1510 10/8-3/8	✓
1510 10/8-1/2	✓
1510 12/10-3/8	✓
1510 12/10-1/2	✓
1510 15/12.5-1/2	✓

Male Connector	
1511 5/3-M5*	✓
1511 5/3-M6*	✓
1511 5/3-1/8	✓
1511 6/4-M5*	✓
1511 6/4-M6*	✓
1511 6/4-1/8	✓
1511 6/4-1/4	✓
1511 6/4-3/8	✓
1511 8/6-1/8	✓
1511 8/6-1/4	✓
1511 8/6-3/8	✓
1511 10/8-1/8	✓
1511 10/8-1/4	✓
1511 10/8-3/8	✓
1511 10/8-1/2	✓
1511 12/10-3/8	✓
1511 12/10-1/2	✓
1511 15/12.5-1/2	✓

\* With O-Ring assembled

Series 1000 Rapid Push-On Fittings For Plastic Tubes

Availability

- ✓ Ex Stock
- 🇬🇧 UK Assembly
- 📞 Please Call Sales Office

PNEUMATIC CONNECTION

Sprint®



Swivel Male Connector	
1560 6/4-1/8	✓
1560 6/4-1/4	✓
1560 8/6-1/8	✓
1560 8/6-1/4	✓
1560 10/8-1/4	✓
1560 10/8-3/8	✓
1560 12/10-3/8	✓



BSP Female Connector	
1463 5/3-1/8	✓
1463 6/4-1/8	✓
1463 6/4-1/4	✓
1463 6/4-3/8	✓
1463 8/6-1/8	✓
1463 8/6-1/4	✓
1463 8/6-3/8	✓
1463 10/8-1/8	✓
1463 10/8-1/4	✓
1463 10/8-3/8	✓
1463 10/8-1/2	✓
1463 12/10-3/8	✓

Sprint®



Swivel Male Elbow	
1541 6/4-1/8	✓
1541 6/4-1/4	✓
1541 8/6-1/8	✓
1541 8/6-1/4	✓
1541 10/8-1/4	✓



Fixed BSPT Male Elbow	
1500 5/3-1/8	✓
1500 6/4-1/8	✓
1500 6/4-1/4	✓
1500 6/4-3/8	✓
1500 6/4-M12x1.25	✓
1500 8/6-1/8	✓
1500 8/6-1/4	✓
1500 8/6-3/8	✓
1500 8/6-1/2	✓
1500 10/8-1/8	✓
1500 10/8-1/4	✓
1500 10/8-3/8	✓
1500 10/8-1/2	✓
1500 12/10-3/8	✓
1500 12/10-1/2	✓
1500 15/12.5-1/2	✓



Note: with 2661 Nylon Ring

Fixed BSP Male Elbow	
1501 5/3-M5	✓



BSP Female Elbow	
1493 6/4-1/8	✓
1493 6/4-1/4	✓
1493 8/6-1/8	✓
1493 8/6-1/4	✓
1493 10/8-1/4	✓
1493 12/10-3/8	✓

Sprint®



Swivel Male Tee	
1431 6/4-1/8	✓
1431 6/4-1/4	✓
1431 8/6-1/8	✓
1431 8/6-1/4	✓
1431 10/8-1/4	✓



BSPT Fixed Male Tee	
1410 5/3-1/8	✓
1410 6/4-1/8	✓
1410 6/4-1/4	✓
1410 8/6-1/8	✓
1410 8/6-1/4	✓
1410 10/8-1/8	✓
1410 10/8-1/4	✓
1410 10/8-3/8	✓
1410 10/8-1/2	✓
1410 12/10-3/8	✓
1410 12/10-1/2	✓
1410 15/12.5-1/2	✓



Lateral BSPT Male Tee	
1420 5/3-1/8	✓
1420 6/4-1/8	✓
1420 6/4-1/4	✓
1420 8/6-1/8	✓
1420 8/6-1/4	✓
1420 10/8-1/8	✓
1420 10/8-1/4	✓

Series 1000 Rapid Push-On Fittings For Plastic Tubes



Note: with 2661 Nylon Ring

BSP Single Adjustable Banjo	
1521 5/3-M5	✓
1521 5/3-1/8	✓
1521 6/4-M5	✓
1521 6/4-1/8	✓
1521 6/4-1/4	✓
1521 6/4-3/8	✓
1521 8/6-1/8	✓
1521 8/6-1/4	✓
1521 8/6-3/8	✓



Note: with 2661 Nylon Ring

Single Adjustable Long Banjo	
1525 6/4-1/8	✓
1525 6/4-1/4	✓
1525 6/4-3/8	✓
1525 8/6-1/8	✓
1525 8/6-1/4	✓
1525 8/6-3/8	✓
1525 10/8-1/8	✓
1525 10/8-1/4	✓
1525 10/8-3/8	✓
1525 10/8-1/2	✓
1525 12/10-3/8	✓
1525 12/10-1/2	✓
1525 15/12.5-1/2	✓



Single Banjo	
1610 5/3-M5°	✓
1610 5/3-M6°	✓
1610 5/3-1/8*	✓
1610 6/4-M5°	✓
1610 6/4-M6°	✓
1610 6/4-1/8*	✓
1610 6/4-1/4*	✓
1610 6/4-3/8*	✓
1610 8/6-1/8*	✓
1610 8/6-1/4*	✓
1610 8/6-3/8*	✓
1610 10/8-1/8**	✓
1610 10/8-1/4**	✓
1610 10/8-3/8**	✓
1610 10/8-1/2^	✓
1610 12/10-3/8*	✓
1610 12/10-1/2^	✓
1610 15/12.5-1/2^	✓

Assembly with Mod.  
 ° = 1631, 1635  
 ° = SCU, SVU, SCO...  
 \* = 1631, 1635, SCU, SVU, SCO...  
 \*\* = 1635, SCU, SVU, SCO...  
 ^ = 1635

Availability

- ✓ Ex Stock
- 🔧 UK Assembly
- 📞 Please Call Sales Office



Double Banjo	
1620 6/4-M5°	✓
1620 6/4-1/8*	✓
1620 6/4-1/4*	✓
1620 8/6-1/8*	✓
1620 8/6-1/4*	✓

Assembly with Mod.  
 ° = 1631, 1635  
 \* = 1631, 1635, SCU, SVU, SCO...

PNEUMATIC CONNECTION



Assembled with adjustable fittings Mod. 6610, 6620, 1610, 1620, 1170, 2023

Single Banjo Stem	
1631 01-M5 - Zinc plated steel	
1631 01-1/8	✓
1631 01-1/4	✓
1631 01-3/8	✓
1631 01-1/2	✓



Assembled with adjustable fittings Mod. 6610, 6620, 1610, 1620, 1170, 2023

Double Banjo Stem	
1631 02-1/8	✓
1631 02-1/4	✓
1631 02-3/8	✓



Double Long banjo fittings Mod. 6610, 6620, 1610, 1620, 1170, 2023

Double Long Banjo Stem	
1635 02-1/8	✓
1635 02-1/4	✓
1635 02-3/8	✓
1635 02-1/2	✓



Assembled with adjustable fittings Mod. 6610, 6620, 1610, 1620, 1170, 2023

Triple Banjo Stem	
1631 03-1/8	✓
1631 03-1/4	✓
1631 03-3/8	✓



Assembled with adjustable fittings Mod. 6610, 6620, 1610, 1620, 1170, 2023

\* = Models that can be assembled with 1/4 banjo fittings

Single Long Banjo Stem	
1635 01-1/8	✓
1635 01-1/4	✓
1635 01-3/8	✓
1635 01-1/2	✓
1635 01-M12x1.25*	✓
1635 01-M12x1.5*	✓

Series 1000 Rapid Push-On Fittings For Plastic Tubes

Availability

- ✓ Ex Stock
- 🔧 UK Assembly
- 📞 Please Call Sales Office



Union Connector	
1580 5/3	✓
1580 6/4	✓
1580 8/6-6/4	✓
1580 8/6	✓
1580 10/8-6/4	✓
1580 10/8	✓
1580 12/10	✓
1580 15/12.5	✓



Bulkhead Union	
1590 5/3	✓
1590 6/4-5/3	✓
1590 6/4	✓
1590 8/6-6/4	✓
1590 8/6	✓
1590 10/8	✓
1590 12/10	✓



Elbow Connector	
1550 6/4	✓
1550 8/6	✓
1550 10/8	✓
1550 12/10	✓
1550 15/12.5	✓



Tee Connector	
1540 5/3	✓
1540 6/4	✓
1540 8/6-6/4	✓
1540 8/6	✓
1540 10/8-6/4	✓
1540 10/8-8/6	✓
1540 10/8	✓
1540 12/10	✓
1540 15/12.5	✓



Cross Connector	
1600 6/4	✓
1600 8/6	✓



Adaptor with Junction	
1470 6/4-6	✓
1470 8/6-8	✓



Aluminium Washer	
2651 1/8	✓
2651 1/4	✓
2651 3/8	✓
2651 1/2	✓
2651 1	✓



Plastic Washer	
2665 1/8	✓
2665 1/4	✓
2665 3/8	✓
2665 1/2	✓



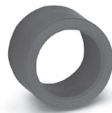
Blocking Nut	
1703 5/3-M7x0.75	✓
1703 6/4-M8x0.75	✓
1703 6/4-M10x1	✓
1703 8/6-M12x1	✓
1703 10/8-M14x1	✓
1703 12/10-M16x1	✓
1703 15/12.5-M20x1	✓



Blocking Nut with Anti Kink Metal Spring	
1723 6/4-M10x1	✓
1723 8/6-M12x1	✓
1723 10/8-M14x1	✓
1723 12/10-M16x1	✓
1723 15/12.5-M20x1	✓



Plastic Washer	
2661 M3	✓
2661 M5	✓
2661 M6	✓
2661 1/8	✓
2661 1/4	✓
2661 3/8	✓
2661 1/2	✓



Plastic Washer	
2669 1/8	✓
2669 1/4	✓
2669 3/8	✓
2669 1/2	✓

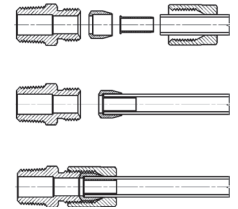
# Series 1000 Brass Nickel Plated Compression Fittings

Tube OD 4 - 6 - 8 - 10 - 12mm

Connections: BSP (1/8, 1/4) BSPT (1/8, 1/4, 3/8, 1/2)

Operating pressure: max 40 bar (see data for tubing used)

Operating temperature: (see data for tubing used)



The Camozzi range of compression fittings are designed to assist with the assembly of fluid power components and systems. For technical specifications and assembly notes see 255 Full data sheets and dimensions available at <https://store.camozzi.co.uk>

**Availability**

- ✓ Ex Stock
- 🇬🇧 UK Assembly
- 📞 Please Call Sales Office

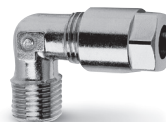


\* with bi-conical olive

BSPT Male Connector	
1050 4 -1/8	✓
1050 6 -1/8	✓
1050 6 -1/4	✓
1050 8 -1/8	✓
1050 8 -1/4	✓
1050 8 -3/8	✓
1050 10-1/4	✓
1050 10-3/8	✓
1050 10-1/2	✓
1050 12-1/4*	✓
1050 12-3/8*	✓
1050 12-1/2*	✓



BSP Female Connector	
1063 4 -1/8	✓
1063 6 -1/8	✓
1063 6 -1/4	✓
1063 8 -1/8	✓
1063 8 -1/4	✓



BSPT Fixed Male Elbow	
1020 4 -1/8	✓
1020 6 -1/8	✓
1020 6 -1/4	✓
1020 8 -1/8	✓
1020 8 -1/4	✓
1020 8 -3/8	✓
1020 10-1/4	✓
1020 10-3/8	✓
1020 10-1/2	✓
1020 12-1/4	✓
1020 12-3/8	✓
1020 12-1/2	✓



BSP Female Elbow	
1093 4 -1/8	✓
1093 6 -1/8	✓
1093 6 -1/4	✓
1093 8 -1/8	✓
1093 8 -1/4	✓

PNEUMATIC CONNECTION



BSPT Fixed Male Tee	
1000 4 -1/8	✓
1000 6 -1/8	✓
1000 8 -1/4	✓
1000 10-1/4	✓



Lateral BSPT Fixed Male Tee	
1010 4 -1/8	✓
1010 6 -1/8	✓
1010 8 -1/4	✓
1010 10-1/4	✓



Union Connector	
1230 4	✓
1230 6	✓
1230 8	✓
1230 10	✓
1230 12	✓



Bulkhead Connector	
1250 4	✓
1250 6	✓
1250 8	✓
1250 10	✓



Elbow Connector	
1220 4	✓
1220 6	✓
1220 8	✓
1220 10	✓
1220 12	✓



Tee Connector	
1210 4	✓
1210 6	✓
1210 8	✓
1210 10	✓
1210 12	✓



Single Banjo	
1170 6-1/8*	✓
1170 6-1/4*	✓
1170 8-1/8°	✓
Assembly with Mod.	
* = 1631, 1635, SCU, SVU, SCO...	
° = 1635, SCU, SVU, SCO...	



Blocking Nut	
1303 4 -1/8	✓
1303 6 -1/8	✓
1303 8 -1/4	✓
1303 10-3/8	✓
1303 12-M18x1.5	✓

**Compression Fittings**

**Availability**

- ✓ Ex Stock
- 🔧 UK Assembly
- 📞 Please Call Sales Office



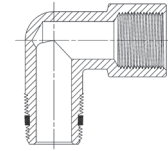
Olive	
1310 4	✓
1310 6	✓
1310 8	✓
1310 10	✓
1310 12-M18*	✓



Insert	
1320 4	✓
1320 6	✓
1320 8	✓
1320 10	✓

# Series S2000 Brass Nickel Plated Pipe Fittings Sprint®

Connections: BSP (1/8, 1/4, 3/8, 1/2) BSPT (1/8, 1/4, 3/8, 1/2)  
 Operating pressure: 80 bar  
 Operating temperature: -40°C - +120°C



The more popular versions of the Camozzi Pipe Fittings are now available with the unique Camozzi Sprint® sealing system.

For technical specifications and assembly notes see page 255.  
 Full data sheets and dimensions available at <https://store.camozzi.co.uk>

**Availability**

- ✓ Ex Stock
- 🔧 UK Assembly
- 📞 Please Call Sales Office



Sprint®



BSPT Nipple	
S2500 1/8	✓
S2500 1/4	✓
S2500 3/8	✓
S2500 1/2	✓

Sprint®



BSPT Reducing	
S2510 1/8-1/4	✓
S2510 1/8-3/8	✓
S2510 1/4-3/8	✓
S2510 1/4-1/2	✓
S2510 3/8-1/2	✓

Sprint®



BSPT Male Reducing Extension	
S2520 1/8-1/8	✓
S2520 1/8-1/4	✓
S2520 1/8-3/8	✓
S2520 1/4-1/4	✓
S2520 1/4-3/8	✓
S2520 1/4-1/2	✓
S2520 3/8-3/8	✓
S2520 3/8-1/2	✓
S2520 1/2-1/2	✓

Sprint®



BSPT Reducing Nipple	
S2530 1/4-1/8	✓
S2530 3/8-1/8	✓
S2530 1/2-1/8	✓
S2530 3/8-1/4	✓
S2530 1/2-1/4	✓
S2530 1/2-3/8	✓

Sprint®



BSPT Swivel Male Reduction	
2541 1/8-1/8	✓
2541 1/4-1/4	✓
2541 3/8-3/8	✓

Sprint®



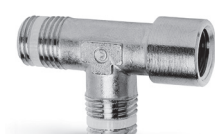
BSPT Male Elbow	
S2010 1/8	✓
S2010 1/4	✓
S2010 3/8	✓
S2010 1/2	✓

Sprint®



Male Female Elbow	
S2020 1/8-1/8	✓
S2020 1/4-1/4	✓
S2020 3/8-3/8	✓
S2020 1/2-1/2	✓

Sprint®



M.M.F. Tee	
S2050 1/8-1/8	✓
S2050 1/4-1/4	✓
S2050 3/8-3/8	✓
S2050 1/2-1/2	✓



## Pipe Fitting Sprint®

### Availability

- ✓ Ex Stock
- 🇬🇧 UK Assembly
- 📞 Please Call Sales Office

Sprint®



F.M.F. Tee	
S2060 1/8-1/8	✓
S2060 1/4-1/4	✓
S2060 3/8-3/8	✓
S2060 1/2-1/2	✓

Sprint®



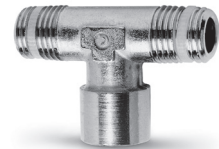
M.F.F. Tee	
S2070 1/8-1/8	✓
S2070 1/4-1/4	✓
S2070 3/8-3/8	✓
S2070 1/2-1/2	✓

Sprint®



Male Tee	
S2080 1/8	✓
S2080 1/4	✓
S2080 3/8	✓
S2080 1/2	✓

Sprint®



M.F.M. Tee	
S2090 1/8-1/8	✓
S2090 1/4-1/4	✓
S2090 3/8-3/8	✓
S2090 1/2-1/2	✓

Sprint®



BSP Male Plug	
S2610 1/8	✓
S2610 1/4	✓
S2610 3/8	✓
S2610 1/2	✓



BSP Male Plug	
2612 M5	✓
2612 M7	✓
2612 1/8	✓
2612 1/4	✓
2612 3/8	✓
2612 1/2	✓

Sprint®



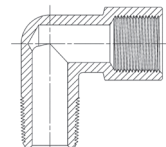
BSPT Male Plug Tapper	
S2615 1/8	✓
S2615 1/4	✓
S2615 3/8	✓



For Tubing  
from page 348

## Series 2000 Brass Nickel Plated Pipe Fittings

Connections: Metric (M5) BSP (1/8, 1/4, 3/8, 1/2, 3/4 and 1)  
 BSPT (1/8, 1/4, 3/8, 1/2, 3/4, 1)  
 Operating pressure: 80 bar  
 Operating temperature: -40°C - +120°C



The Camozzi range of Pipe Fittings and hose tails are designed to assist with the assembly of fluid power components and systems.  
 For technical specifications and assembly notes see page 255.  
 Full data sheets and dimensions available at <https://store.camozzi.co.uk>

### Availability

- ✓ Ex Stock
- 🇬🇧 UK Assembly
- 📞 Please Call Sales Office



BSPT Nipple	
2500 1/8	✓
2500 1/4	✓
2500 3/8	✓
2500 1/2	✓
2500 3/4	✓
2500 1	✓



BSP Nipple	
2501 M5	✓
2501 1/8	✓
2501 1/4	✓
2501 3/8	✓
2501 1/2	✓



BSPT Reducing Nipple	
2510 1/8-1/4	✓
2510 1/8-3/8	✓
2510 1/4-3/8	✓
2510 1/4-1/2	✓
2510 3/8-1/2	✓
2510 1/2-3/4	✓



BSP Reducing Nipple	
2511 M5-1/8	✓
2511 1/8-1/4	✓
2511 1/8-3/8	✓
2511 1/4-3/8	✓
2511 1/4-1/2	✓
2511 3/8-1/2	✓

Series 2000 Brass Pipe Fittings

Availability

- ✓ Ex Stock
- 🔧 UK Assembly
- 📞 Please Call Sales Office



BSP Male Reducing Extension	
2520 1/8-1/8	✓
2520 1/8-1/4	✓
2520 1/8-3/8	✓
2520 1/4-1/4	✓
2520 1/4-3/8	✓
2520 1/4-1/2	✓
2520 3/8-3/8	✓
2520 3/8-1/2	✓
2520 1/2-1/2	✓



BSP Reducing Extension	
2521 M5-1/8	✓
2521 1/8-1/8	✓
2521 1/8-1/4	✓
2521 1/8-3/8	✓
2521 1/4-1/4	✓
2521 1/4-3/8	✓
2521 1/4-1/2	✓
2521 3/8-3/8	✓
2521 3/8-1/2	✓
2521 1/2-1/2	✓



BSP Male Extension	
2525 1/8-16	✓
2525 1/8-36	✓
2525 1/4-27	✓
2525 1/4-43	✓



BSPT Reducing	
2530 1/4-1/8	✓
2530 3/8-1/8	✓
2530 1/2-1/8	✓
2530 3/8-1/4	✓
2530 1/2-1/4	✓
2530 1/2-3/8	✓
2530 3/4-3/8	✓
2530 3/4-1/2	✓
2530 1-1/2	✓



BSP Reducing	
2531 1/8-M5*	✓
2531 1/4-1/8*	✓
2531 3/8-1/8	✓
2531 3/8-1/4*	✓
2531 1/2-1/8	✓
2531 1/2-1/4	✓
2531 1/2-3/8*	✓

\*Models with through thread



Sleeve	
2543 M5	✓
2543 1/8	✓
2543 1/4	✓
2543 3/8	✓
2543 1/2	✓



Reducing Sleeve	
2553 M5-1/8	✓
2553 1/8-1/4	✓
2553 1/8-3/8	✓
2553 1/8-1/2	✓
2553 1/4-3/8	✓
2553 1/4-1/2	✓
2553 3/8-1/2	✓



BSP Male Plug	
2611 M5	✓
2611 1/8	✓
2611 1/4	✓
2611 3/8	✓
2611 1/2	✓
2611 1	✓



BSPT Male Plug	
2610 3/4	✓



Metric-BSP Male Hose Adaptor	
2601 2 -M5	✓
2601 4.5-M5	✓
2601 7 -1/8	✓
2601 7 -1/4	✓
2601 8 -1/8	✓
2601 9 -1/8	✓
2601 9 -1/4	✓
2601 9 -3/8	✓
2601 12-1/4	✓
2601 12-3/8	✓
2601 12-1/2	✓
2601 17-3/8	✓
2601 17-1/2	✓



BSP Male Elbow	
2010 1/8	✓
2010 1/4	✓
2010 3/8	✓
2010 1/2	✓
2010 3/4	✓
2010 1	✓



BSPT Female Elbow	
2013 1/8	✓
2013 1/4	✓
2013 3/8	✓
2013 1/2	✓



BSP Female Plug	
2613 1/8	✓
2613 1/4	✓
2613 3/8	✓
2613 1/2	✓

See page 279 for more hose tails

## Series 2000 Brass Pipe Fittings

### Availability

- ✓ Ex Stock
- 🔧 UK Assembly
- 📞 Please Call Sales Office



Male Female Elbow	
2021 M5-M5 <sup>o</sup>	✓
2020 1/8-1/8*	✓
2020 1/4-1/4*	✓
2020 3/8-3/8*	✓
2020 1/2-1/2*	✓
2020 3/4-3/4*	✓
2020 1-1*	✓

<sup>o</sup> = BSP Male Female Elbow  
\* = BSPT Male Female Elbow



BSPT M.M.F. Tee	
2050 1/8-1/8	✓
2050 1/4-1/4	✓
2050 3/8-3/8	✓
2050 1/2-1/2	✓



BSPT F.M.F. Tee	
2060 1/8-1/8	✓
2060 1/4-1/4	✓
2060 3/8-3/8	✓
2060 1/2-1/2	✓



BSPT M.F.F. Tee	
2070 1/8-1/8	✓
2070 1/4-1/4	✓
2070 3/8-3/8	✓
2070 1/2-1/2	✓



BSPT Male Tee	
2080 1/8	✓
2080 1/4	✓
2080 3/8	✓
2080 1/2	✓
2080 3/4	✓
2080 1	✓



BSPT M.F.M. Tee	
2090 1/8-1/8	✓
2090 1/4-1/4	✓
2090 3/8-3/8	✓
2090 1/2-1/2	✓
2090 3/4-3/4	✓
2090 1	✓



BSP Female Tee	
2003 1/8	✓
2003 1/4	✓
2003 3/8	✓
2003 1/2	✓



BSPT Y.F.M.F.	
2040 1/8-1/8	✓
2040 1/4-1/4	✓
2040 3/8-3/8	✓
2040 1/2-1/2	✓



BSP Female Y	
2043 1/8	✓
2043 1/4	✓
2043 3/8	✓
2043 1/2	✓



BSP Female Cross	
2033 1/8	✓
2033 1/4	✓
2033 3/8	✓

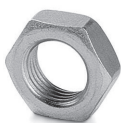


Single Thread Banjo	
2023 M5-M5 <sup>o</sup>	✓
2023 M5-M6 <sup>o</sup>	✓
2023 1/8-1/8*	✓
2023 1/4-1/4 <sup>Λ</sup>	✓
2023 3/8-3/8 <sup>Λ</sup>	✓

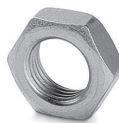


Bulkhead Fitting Parallel	
2593 M16-1/8	✓
2593 M20-1/4	✓
2593 M26-3/8	✓
2593 M28-1/2	✓

Assembly with Mod.  
 ● = 1631  
 o = SCU, SVU, SCO...  
 \* = 1631, 1635, SCU, SVU, SCO...  
 Λ = 1635, SCU, SVU, SCO...



Hexagon Locking Nut - BSPP	
1253 1/8	✓
1253 1/4	✓
1253 3/8	✓
1253 1/2	✓



Hexagon Locking Nut - Metric	
1593 M12x1	✓
1593 M20x1.5	✓



For Aluminium Manifold Blocks  
 See page 280

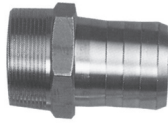
**New**

# Brass Hose Tails and Connectors

Connections: 1/8 - 3/16 - 1/4 - 5/16 - 3/8 - 1/2 - 3/4 - 1  
Brass hose tails and connectors.

**Availability**

- ✓ Ex Stock
- 🔧 UK Assembly
- 📞 Please Call Sales Office



Male Hose Connector	Taper Thread	Hose ID (mm)	Length (mm)
2700 2/2	1/8 BSPT	1/8" (3)	30
2700 2/3	1/8 BSPT	3/16" (5)	40
2700 2/4	1/8 BSPT	1/4" (6)	40
2700 2/5	1/8 BSPT	5/16" (8)	40
2700 2/6	1/8 BSPT	3/8" (10)	42
2700 2/8	1/8 BSPT	1/2" (12)	42
2700 4/2	1/4 BSPT	1/8" (3)	34
2700 4/3	1/4 BSPT	3/16" (5)	42
2700 4/4	1/4 BSPT	1/4" (6)	42
2700 4/5	1/4 BSPT	5/16" (8)	42
2700 4/6	1/4 BSPT	3/8" (10)	42
2700 4/8	1/4 BSPT	1/2" (12)	44
2700 4/10	1/4 BSPT	5/8" (16)	44
2700 4/12	1/4 BSPT	3/4" (18)	44
2700 6/3	3/8 BSPT	3/16" (5)	39
2700 6/4	3/8 BSPT	1/4" (6)	44
2700 6/5	3/8 BSPT	5/16" (8)	44
2700 6/6	3/8 BSPT	3/8" (10)	56
2700 6/8	3/8 BSPT	1/2" (12)	56
2700 6/10	3/8 BSPT	5/8" (16)	57
2700 6/12	3/8 BSPT	3/4" (19)	59
2700 8/3	1/2 BSPT	3/16" (5)	43
2700 8/4	1/2 BSPT	1/4" (6)	43
2700 8/5	1/2 BSPT	5/16" (8)	43
2700 8/6	1/2 BSPT	3/8" (10)	60
2700 8/8	1/2 BSPT	1/2" (12)	60
2700 8/10	1/2 BSPT	5/8" (16)	60
2700 8/12	1/2 BSPT	3/4" (19)	60
2700 8/16	1/2 BSPT	1" (25)	60
2700 12/4	3/4 BSPT	1/4" (6)	48
2700 12/5	3/4 BSPT	5/16" (8)	48
2700 12/6	3/4 BSPT	3/8" (10)	48
2700 12/8	3/4 BSPT	1/2" (12)	63
2700 12/10	3/4 BSPT	5/8" (16)	63
2700 12/12	3/4 BSPT	3/4" (19)	63
2700 12/16	3/4 BSPT	1" (25)	63

Hose Repair Connector	Hose ID (mm)	x	Hose ID (mm)
2780 3/3	3/16" (5)	x	3/16" (5)
2780 4/4	1/4" (6)	x	1/4" (6)
2780 5/5	5/16" (8)	x	5/16" (8)
2780 6/4	3/8" (10)	x	1/4" (6)
2780 6/6	3/8" (10)	x	3/8" (10)
2780 8/6	1/2" (10)	x	3/8" (10)
2780 8/8	1/2" (12)	x	1/2" (12)
2780 10/10	5/8" (16)	x	5/8" (16)
2780 12/8	3/4" (19)	x	1/2" (12)
2780 12/12	3/4" (19)	x	3/4" (19)
2780 16/12	1" (25)	x	3/4" (19)
2780 16/16	1" (25)	x	1" (25)



Hose Repair Connector "Y"	Hose ID
2760 04	1/4"
2760 05	5/16"
2760 06	3/8"
2760 08	1/2"

Hose Repair Connector "T"	Hose ID
2740 03	3/16"
2740 04	1/4"
2740 05	5/16"
2740 06	3/8"
2740 08	1/2"



Worm Drive Clips - Mild Steel			
		Min ID	Max ID
WDC-1	9	9	12
WDC-2	11	11	16
WDC-3	13	13	20
WDC-4	14	14	22
WDC-5	17	17	25
WDC-6	22	22	30
WDC-7	25	25	35
WDC-8	30	30	40

PNEUMATIC CONNECTION



Main



Section

# Aluminium Distribution Manifold Blocks

Connections: 1/4 - 1/8 - 3/8 - 1/2

Aluminium manifold blocks to assist with the assembly of fluid power components and systems.

Other sizes and connections of manifolds can be supplied on request.

**Availability**

- ✓ Ex Stock
- 🔧 UK Assembly
- 📞 Please Call Sales Office

## Aluminium Single-Sided Manifold



1/4" Inlet x 1/8" Outlet		No of Outlets
3053 1/4-3L-1/8	Ⓞ	3
3053 1/4-4L-1/8	Ⓞ	4
3053 1/4-5L-1/8	Ⓞ	5
3053 1/4-6L-1/8	Ⓞ	6

3/8" Inlet x 1/4" Outlet		No of Outlets
3053 3/8-3L-1/4	Ⓞ	3
3053 3/8-4L-1/4	Ⓞ	4
3053 3/8-5L-1/4	Ⓞ	5
3053 3/8-6L-1/4	Ⓞ	6

1/2" Inlet x 3/8" Outlet		No of Outlets
3053 1/2-3L-3/8	Ⓞ	3
3053 1/2-4L-3/8	Ⓞ	4
3053 1/2-5L-3/8	Ⓞ	5
3053 1/2-6L-3/8	Ⓞ	6

## Aluminium Double-Sided Manifold



1/4" Inlet x 1/8" Outlet		No of Outlets
3043 1/4-3D-1/8	Ⓞ	3+3
3043 1/4-4D-1/8	Ⓞ	4+4
3043 1/4-5D-1/8	Ⓞ	5+5
3043 1/4-6D-1/8	Ⓞ	6+6

3/8" Inlet x 1/4" Outlet		No of Outlets
3043 3/8-3D-1/4	Ⓞ	3+3
3043 3/8-4D-1/4	Ⓞ	4+4
3043 3/8-5D-1/4	Ⓞ	5+5
3043 3/8-6D-1/4	Ⓞ	6+6

1/2" Inlet x 3/8" Outlet		No of Outlets
3043 1/2-3D-3/8	Ⓞ	3+3
3043 1/2-4D-3/8	Ⓞ	4+4
3043 1/2-5D-3/8	Ⓞ	5+5
3043 1/2-6D-3/8	Ⓞ	6+6

## Aluminium Manifolds with Integrated Push-in

**New**

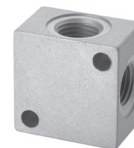


1/4" Inlet x 4mm Outlet		No of Outlets
3053 1/4-8L-4	Ⓞ	8

1/4" Inlet x 6mm Outlet		No of Outlets
3053 1/4-8L-6	Ⓞ	8

3/8" Inlet x 8mm Outlet		No of Outlets
3053 3/8-6L-8	Ⓞ	6

1/2" Inlet x 10mm Outlet		No of Outlets
3053 1/2-6L-10	Ⓞ	6



Aluminium Distribution Block		
3033 1/8	✓	1/8
3033 1/4	✓	1/4
3033 3/8	✓	3/8
3033 1/2	✓	1/2



For Cylinders  
From page 3



# Series 6000 OX1 Push In Fittings for Medical Gas Applications

**New**

Tube external diameters: 4, 6 and 8 mm  
Threads: GAS cylindrical ISO 228 (BSP); M5

Working pressure: Standard models: min -0,9 bar - max 16 bar (see tubing).  
Temperature: -20 °C ÷ 80 °C (see the technical data of tubing used)

Series 6000 OX1 super-rapid fittings have been designed with a special collet which provides an homogeneous tight on the whole surface of plastic tubes, thus ensuring high reliability and a long service life, also after connections and disconnections of the tube are repeated several times.

Full data sheets and dimensions available at <https://store.camozzi.co.uk>

**Availability**

- ✓ Ex Stock
- 🔧 UK Assembly
- 📞 Please Call Sales Office

PNEUMATIC CONNECTION



Metric-BSP Male Connector	
6512 4-M5-OX1	Ⓢ
6512 4-1/8-OX1	Ⓢ
6512 6-M5-OX1	Ⓢ
6512 6-1/8-OX1	Ⓢ
6512 6-1/4-OX1	Ⓢ
6512 8-1/8-OX1	Ⓢ
6512 8-1/4-OX1	Ⓢ



Cartridge	
6700 4-OX1	Ⓢ
6700 6-OX1	Ⓢ

Cartridge



Metric-BSP Female Connector	
6463 4-1/8-OX1	Ⓢ
6463 6-1/8-OX1	Ⓢ
6463 6-1/4-OX1	Ⓢ



Note:  
with O-Ring

Metric-BSP Swivel Male Elbow	
6522 4-M5-OX1	Ⓢ
6522 4-1/8-OX1	Ⓢ
6522 6-M5-OX1	Ⓢ
6522 6-1/8-OX1	Ⓢ
6522 6-1/4-OX1	Ⓢ
6522 8-1/8-OX1	Ⓢ
6522 8-1/4-OX1	Ⓢ



Bulkhead Connector	
6590 4-OX1	Ⓢ
6590 6-OX1	Ⓢ



Union Connector	
6580 4-OX1	Ⓢ
6580 6-OX1	Ⓢ
6580 8-OX1	Ⓢ



Elbow Connector	
6550 4-OX1	Ⓢ
6550 6-OX1	Ⓢ



Tee Connector	
6540 4-OX1	Ⓢ
6540 6-OX1	Ⓢ



Y Union	
6560 4-OX1	Ⓢ
6560 6-OX1	Ⓢ



Female Plug	
6750 4-OX1	Ⓢ
6750 6-OX1	Ⓢ



Reducer Junction	
6800 4-6-OX1	Ⓢ
6800 4-8-OX1	Ⓢ
6800 6-8-OX1	Ⓢ



Junction Elbow	
6555 6-6-OX1	Ⓢ



Plastic Male Plug	
6900 4-OX1	Ⓢ
6900 6-OX1	Ⓢ



# Series VNR OX1 Unidirectional Valves for Medical Gas Applications

**New**

Dimensions tube version: 4, 6 and 8 mm

Construction: Poppet-type

Operating temperature: -0°C - +80°C

They are available with Integrated Push-in Fittings. Thanks to their construction they operate at low pressure.

Full data sheets and dimensions available at <https://store.camozzi.co.uk>

**Availability**

- ✓ Ex Stock
- 🔧 UK Assembly
- 📞 Please Call Sales Office



**Unidirectional Valves**

6580 4-VNR-OX1 ☺

6580 6-VNR-OX1 ☺

6580 8-VNR-OX1 ☺

# Series 2000 OX1 Brass Pipe Fittings for Medical Gas Applications

**New**

Threads: GAS conical ISO 7 ( BSPT ), GAS cylindrical ISO 228 ( BSP )

Working pressure: 80 bar

Temperature: -40°C - +120°C.

The wide range of Camozzi pipe fittings, which includes straight, elbow and Tee, male or female couplings, guarantees the necessary support during the design of medical and analytical systems.

Full data sheets and dimensions available at <https://store.camozzi.co.uk>

**Availability**

- ✓ Ex Stock
- 🔧 UK Assembly
- 📞 Please Call Sales Office

PNEUMATIC CONNECTION



**BSPT Nipple**

2500 1/8-OX1 ☺

2500 1/4-OX1 ☺



**Metric-BSP Nipple**

2501 1/8-OX1 ☺

2501 1/4-OX1 ☺



**BSPT Reducing Nipple**

2510 1/8-1/4-OX1 ☺



**BSP Reducing**

2531 1/8-M5-OX1\* ☺

2531 1/4-1/8-OX1\* ☺

\*Models with through thread



**Sleeve**

2543 M5-OX1 ☺

2543 1/8-OX1 ☺

2543 1/4-OX1 ☺



**BSP Male Plug**

2611 M5-OX1 ☺

2611 1/8-OX1 ☺

2611 1/4-OX1 ☺



**BSPT Female Elbow**

2013 1/8-OX1 ☺

2013 1/4-OX1 ☺



**Male Female Elbow**

2020 1/8-1/8-OX1 ☺

2020 1/4-1/4-OX1 ☺



**Female Tee**

2003 1/8-OX1 ☺

2003 1/4-OX1 ☺



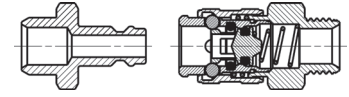
**Female Y**

2043 1/8-OX1 ☺

2043 1/4-OX1 ☺

# Series 5000 Quick-Release Couplings

Nominal diameters:  $\varnothing$  5 - 7 mm. Plastic tubes 6/4, 8/6, 10/8;  
Rubber hoses 6x14 - 8x17 - 10x19 - 13x23  
Connections: 1/8, 1/4, 3/8, 1/2



**Availability**

- ✓ Ex Stock
- 🔧 UK Assembly
- 📞 Please Call Sales Office

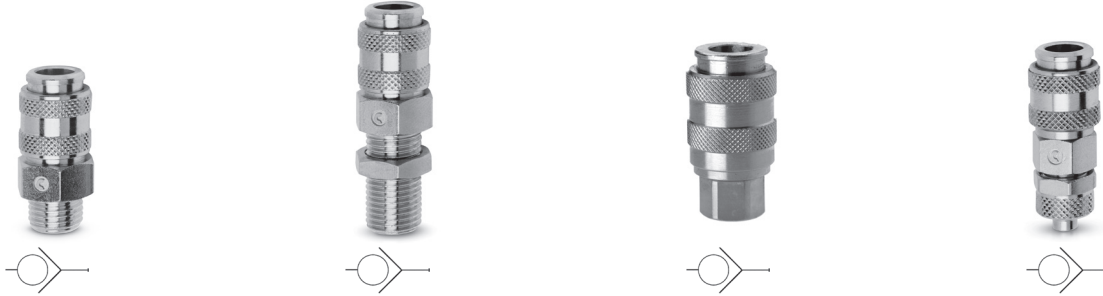
Operating pressure: min -0.99 bar - max 12 bar

Operating temperature: 0°C - +80°C (with dry air -20°C)

The Camozzi range of quick release couplings are designed to assist with the assembly of fluid power components and systems. For technical specifications see page 255.

Full data sheets and dimensions available at <https://store.camozzi.co.uk>

PNEUMATIC CONNECTION



BSP Male Quick Coupling	
5051 1/8	✓
5051 1/4	✓
5081 1/4	✓
5081 3/8	✓
5081 1/2	✓

BSP Male Quick Coupling Bulkhead	
5052 1/8	✓
5052 1/4	✓
5082 1/4	✓

BSP Female Quick Coupling	
5053 1/8	✓
5053 1/4	✓
5083 1/4	✓
5083 3/8	✓
5083 1/2	✓

Quick Coupling Push-on	
5054 6/4	✓
5054 8/6	✓
5084 8/6	✓
5084 10/8	✓



Quick Coupling Bulkhead Push-on	
5055 6/4	✓
5055 8/6	✓

Quick Coupling Hose Adapter	
5056 06	✓
5056 09	✓
5086 09	✓
5086 12	✓

Quick Coupling Hose Connector	
5057 6x14	✓
5087 6x14	✓
5087 8x17	✓
5087 10x19	✓
5087 13x23	✓

Quick Coupling with Anti Kink Spring	
5058 6/4	✓
5058 8/6	✓
5088 8/6	✓
5088 10/8	✓



Male Connector	
5150 1/8	✓
5150 1/4	✓
5180 1/4	✓
5180 3/8	✓
5180 1/2	✓

Female Connector	
5350 1/8	✓
5350 1/4	✓
5380 1/4	✓
5380 3/8	✓
5380 1/2	✓

Push-on Connector	
5450 6/4	✓
5450 8/6	✓
5480 8/6	✓
5480 10/8	✓

Connector with Barb	
5650 06	✓
5650 09	✓
5680 06	✓
5680 09	✓
5680 12	✓



Main



Section



## Series 5000 Camozzi Quick-Release Couplings

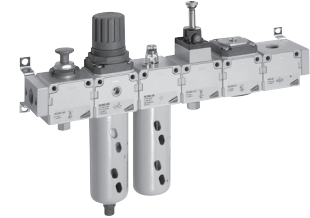
### Availability

- ✓ Ex Stock
- 🔧 UK Assembly
- 📞 Please Call Sales Office



Hose Connector	
5750 6x14	✓
5780 6x14	✓
5780 8x17	✓
5780 13x23	✓

Connector with Anti Kink Spring	
5850 6/4	✓
5850 8/6	✓
5880 8/6	✓
5880 10/8	✓



For FRL

From page 201

# Series 5000L and 5000LT Quick-Release Couplings for the Conditioning of Moulds for Plastics

Nominal diameters:  $\varnothing$  5 - 7 mm.  
Couplings Threads: 1/8, 1/4, 3/8

- ✓ Ex Stock
- 🔧 UK Assembly
- 📞 Please Call Sales Office

Operating pressure: min -0.99 bar - max 12 bar  
Operating temperature: -15°C - +140°C (200°C with oil)

The Series 5000L and 5000T couplings have been designed to connect tubes for water, air or oil, used within plastic injection and die casting moulds.

Full data sheets and dimensions available at <https://store.camozzi.co.uk>



BSP Female Quick Coupling	
5053L 1/8	📞
5053L 1/4	📞
5053LT 1/8	📞
5053LT 1/4	📞

BSP Female Quick Coupling	
5083L 1/4	📞
5083L 3/8	📞
5083LT 1/4	📞
5083LT 3/8	📞

Male Connector	
5150L 1/8	📞
5150L 1/4	📞
5180L 1/4	📞
5180L 3/8	📞



Main



Section

# Series 9000 Air Brake Fittings

Tube external diameters: 4, 6, 8, 10, 12, 15, 16 and 18mm.

Operating pressure: 0 - 16 bar

Operating temperature: -50°C - +100°C (see data for tubing used)

**Availability**

- ✓ Ex Stock
- 🔧 UK Assembly
- 📞 Please Call Sales Office

Series 9000 fittings have been designed for use in the pneumatic braking systems on commercial vehicles and are certified to TUV standards. The range has been designed so that assembly of the tube and fitting is made easy. All fittings are supplied preassembled and are therefore ready to use.

PNEUMATIC CONNECTION



Male Stud	Tube	Thread
9512 6-M10x1	✓ 6/4	M10x1
9512 6-M12x1.5R	✓ 6/4	M12x1.5
9512 6-M14x1.5R	✓ 6/4	M14x1.5
9512 6-M16x1.5R	✓ 6/4	M16x1.5
9512 8-M10x1	✓ 8/6	M10x1
9512 8-M12x1.5R	✓ 8/6	M12x1.5
9512 8-M14x1.5R	✓ 8/6	M14x1.5
9512 8-M16x1.5R	✓ 8/6	M16x1.5
9512 8-M22x1.5R	✓ 8/6	M22x1.5
9512 10-7 M12x1.5R	✓ 10/7	M12x1.5
9512 10-7 M16x1.5R	✓ 10/7	M16x1.5
9512 10-7 M22x1.5R	✓ 10/7	M22x1.5
9512 10-M12x1.5R	✓ 10/8	M12x1.5
9512 10-M16x1.5R	✓ 10/8	M16x1.5
9512 10-M22x1.5R	✓ 10/8	M22x1.5
9512 12-M12x1.5R	✓ 12/9	M12x1.5
9512 12-M14x1.5R	✓ 12/9	M14x1.5
9512 12-M16x1.5R	✓ 12/9	M16x1.5
9512 12-M22x1.5R	✓ 12/9	M22x1.5
9512 15-M16x1.5R	✓ 15/11	M16x1.5
9512 15-M22x1.5R	✓ 15/11	M22x1.5
9512 16/12-M16x1.5R	✓ 16/12	M16x1.5
9512 16-M22x1.5R	✓ 18/14	M22x1.5
9512 18-M22x1.5R	✓ 18/14	M22x1.5

Service Fitting	Tube	Thread
D6512 4-M10x1*	✓ 4/2	M10x1

\* = supplied without insert

Elbow	Tube	Thread
9502 6-M10x1R	✓ 6/4	M10x1
9502 6-M12x1.5R	✓ 6/4	M12x1.5
9502 6-M16x1.5R	✓ 6/4	M16x1.5
9502 6-M22x1.5R	✓ 6/4	M22x1.5
9502 8-M10x1R	✓ 8/6	M10x1
9502 8-M12x1.5R	✓ 8/6	M12x1.5
9502 8-M14x1.5R	✓ 8/6	M14x1.5
9502 8-M16x1.5R	✓ 8/6	M16x1.5
9502 8-M22x1.5R	✓ 8/6	M22x1.5
9502 10/7-M16x1.5R	✓ 10/7	M16x1.5
9502 10/7-M22x1.5R	✓ 10/7	M22x1.5
9502 10-M12x1.5R	✓ 10/8	M12x1.5
9502 10-M16x1.5R	✓ 10/8	M16x1.5
9502 10-M22x1.5R	✓ 10/8	M22x1.5
9502 12-M12x1.5R	✓ 12/9	M12x1.5
9502 12-M16x1.5R	✓ 12/9	M16x1.5
9502 12-M22x1.5R	✓ 12/9	M22x1.5
9502 15-M16x1.5R	✓ 15/11	M16x1.5
9502 15-M22x1.5R	✓ 15/11	M22x1.5
9502 16-12 M22x1.5R	✓ 16/12	M22x1.5
9502 16-M22x1.5R	✓ 16/12	M22x1.5
9502 18-M22x1.5R	✓ 18/14	M22x1.5

Male Stud	Tube	Thread
9510 6-02	✓ 6/4	1/8 NPTF
9510 05-02	✓ 8/6	1/8 NPTF

Female Stud	Tube	Thread
9463 6-M10x1	✓ 6/4	M10x1
9463 6-M12x1.5	✓ 6/4	M10x1
9463 6-M16x1.5	✓ 6/4	M16x1.5



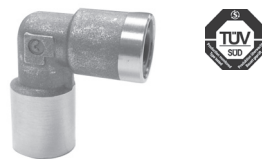
Series 9000 Air Brake Fittings

Availability

- ✓ Ex Stock
- 🇬🇧 UK Assembly
- 📞 Please Call Sales Office



Fixed Male Elbow	Tube	Thread
9500 6-02	✓ 6/4	1/8 NPTF
9500 12-06	✓ 12/9	3/8 NPTF



Elbow	Tube
9550 6	✓ 6/4
9550 8	✓ 8/6
9550 10	✓ 10/8
9550 12	✓ 12/9
9550 10/7	✓ 10/7



Tube to Tube Connector	Tube
9580 6	✓ 6/4
9580 8	✓ 8/6
9580 10-7	✓ 10/7
9580 10	✓ 10/8
9580 12	✓ 12/9
9580 15-11	✓ 15/11
9580 16-12	✓ 16/12
9580 18	✓ 18/14



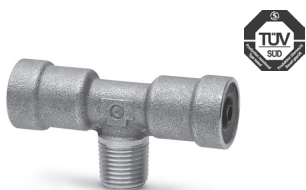
Swivel Branch Tee	Tube	Thread
9412 6-M10x1R	✓ 6/4	M10x1
9412 6-M12x1.5R	✓ 6/4	M12x1.5
9412 6-M22x1.5R	✓ 6/4	M12x1.5
9412 8-M16x1.5R	✓ 8/6	M12x1.5
9412 8-M12x1.5R	✓ 8/6	M16x1.5
9412 8-M18x1.5R	✓ 8/6	M22x1.5
9412 8-M22x1.5R	✓ 8/6	M22x1.5
9412 10-M12x1.5R	✓ 10/8	M12x1.5
9412 10-M16x1.5R	✓ 10/8	M16x1.5
9412 12-M22x1.5R	✓ 12/9	M22x1.5
9412 15/11-M22x1.5R	✓ 15/11	M22x1.5
9412 15-M16x1.5R	✓ 15/12	M16x1.5



Swivel Run Tee	Tube	Thread
9422 6-M10x1R	✓ 6/4	M10x1
9422 6-M12-1.5R	✓ 6/4	M12x1.5
9422 8-M16x1.5R	✓ 8/6	M16x1.5
9422 8-M22x1.5R	✓ 8/6	M22x1.5
9422 10-M16x1.5R	✓ 10/8	M16x1.5
9422 10-M22x1.5R	✓ 10/8	M22x1.5
9422 12-M16x1.5R	✓ 12/9	M16x1.5
9422 12-M22x1.5R	✓ 12/9	M22x1.5



Bulkhead	Tube	Thread
9590 12-M18x1.5	✓ 12/9	M18x1.5
9590 12-M18x1.5S04	✓ 12/9	M18x1.5



Branch Tee	Tube	Thread
9410 6-02	✓ 6/4	1/8 NPTF
9410 05-02	✓ 8/6	1/8 NPTF



Bulkhead	Tube A	Tube B	Thread
9592 8-8-M18x1	✓ 8/6	8/6	M18x1
9592 12-8-M18x1	✓ 12/8	8/6	M18x1

PNEUMATIC CONNECTION



Series 9000 Air Brake Fittings

Availability

- ✓ Ex Stock
- 🔧 UK Assembly
- 📞 Please Call Sales Office



Equal Tube Tee		Tube
9540 6	✓	6/4
9540 8	✓	8/6
9540 10	✓	10/8
9540 12	✓	12/9
9540 15	✓	15/11
9540 8-8-6	✓	8/6
9540 12-12-8	✓	12/9



Y Fitting		Tube
9450 8-M16x1.5R	✓	8/6
9450 12-M22x1.5R	✓	12/9



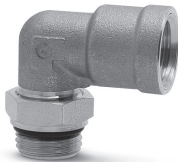
Elbow		Tube
9402 12-M22x1.5R	✓	12/9



Bulkhead Adaptor		Thread A	Thread B
D2512 M22x1.5-M16x1.5R	✓	M22x1.5	M16x1.5
D2502 M22x1.5R-M22x1.5R	✓	M22x1.5	M22x1.5



Male Female Tee		Female Thread	Male Thread
D2072 M16x1.5-M16x1.5R	✓	M16x1.5	M16x1.5
D2072 M16x1.5-M22x1.5R	✓	M16x1.5	M22x1.5
D2072 M22x1.5-M22x1.5R	✓	M22x1.5	M22x1.5



Male Female Elbow		Male Thread	Female Thread
D2022 M16x1.5-M16x1.5R	✓	M16x1.5	M16x1.5
D2022 M16x1.5-M22x1.5R	✓	M22x1.5	M16x1.5
D2022 M22x1.5-M22x1.5R	✓	M22x1.5	M22x1.5



Equal Female Tee		Thread
D2003 M16x1.5	✓	M16x1.5
D2003 M22x1.5	✓	M22x1.5



Male Female Tee		Female Thread	Male Thread
D2062 M16x1.5-M12x1.5R	✓	M16x1.5	M12x1.5
D2062 M16x1.5-M16x1.5R	✓	M16x1.5	M16x1.5
D2062 M16x1.5-M22x1.5R	✓	M16x1.5	M22x1.5
D2062 M22x1.5-M22x1.5R	✓	M22x1.5	M22x1.5



Equal Female Tee		Thread
D2003 M16x1.5-S01	✓	M16x1.5



Main



Section

Series 9000 Air Brake Fittings

Availability

- ✓ Ex Stock
- 🔧 UK Assembly
- 📞 Please Call Sales Office



Male - Female Cross	Male Thread	Female Thread
D2032 M16x1.5-M16x1.5R ✓	M16x1.5	M16x1.5



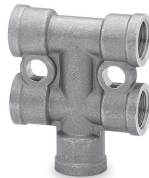
Hose Tail	Tube	Thread
D2602 10-M16x1.5-L=30 ✓	11	M16x1.5
D2602 11.5-M16x1.5-L=35 ✓	12.5	M16x1.5
D2602 12-M16x1.5R ✓	12.5	M16x1.5
D2602 12-M22x1.5R ✓	12.5	M22x1.5
D2602 13-M16x1.5-S01 ✓	15	M16x1.5



Male Female Elbow	Male Thread	Female Thread
D2077 M16x1.5-M16x1.5-S01R ✓	M16x1.5	M16x1.5
D2077 M16x1.5-M22x1.5-S01R ✓	M16x1.5	M22x1.5



Blanking Plug	Thread
D2612 M12x1.5R ✓	M12x1.5
D2612 M16x1.5R ✓	M16x1.5
D2612 M22x1.5R ✓	M22x1.5



Fitting	Thread
D3043 M16X1.5-2D-M16X1.5-S01 ✓	M16x1.5



Test Point	Thread A	Thread B
VPC2 M16x1.5R-M16x1.5 ✓	M16x1.5	M16x1.5
VPC2 M22x1.5R-M16x1.5 ✓	M22x1.5	M16x1.5



Bleed Point	Thread
VDC2 M22x1.5R ✓	M22x1.5



Tyre Inflator Valve	Thread
V604 M22x1.5R ✓	M22x1.5

Series 9000 Air Brake Fittings

Availability

- ✓ Ex Stock
- ✎ UK Assembly
- 📞 Please Call Sales Office



Tube Cutters	
PNZ-12	✓
PNZ-25	✓



Tube Cutters	
PNZP-12	✓



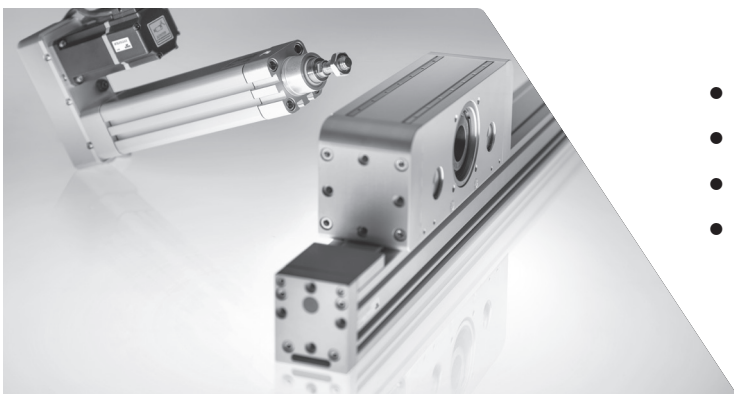
Disconnection Key		Tube
DRK 6	✓	6
DRK 8	✓	8
DRK 10	✓	10
DRK 12	✓	12
DRK 15	✓	15
DRK 16	✓	16
DRK 18	✓	18



For Tubing  
From page 348



# Electric Actuation




- Electromechanical cylinders
- Electromechanical Axes
- Drives
- Motors

# Ball Valves and Non Return Valves


## 1 Brass Two-Way Ball Valves (Premium)

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 Mini Ball Valves	291
 Brass Ball Valves - Gas/WRAS Approved	292



## 2 Stainless Steel Two-Way Ball Valves

	Page
 Economy Stainless Steel Ball Valves - Two-Piece Design	293



## 3 Stainless Steel Three-Way Ball Valves

	Page
 Stainless Steel Ball Valves Three-Piece Design	294


## 4 Direct Mount Ball Valves (for actuation)

	Page
 Brass Ball Valves - with ISO Pad	295
 Stainless Steel Ball Valves - with ISO Pad	296


## 5 Exhausting Brass Ball Valves

	Page
 Brass Ball Valves - Exhausting - with Locking Handle	297
 Lockable Safety Ball Valve	298

## 6 Brass Three-Way Ball Valves

	Page
 Brass Ball Valves Three-Way - with ISO 5211 Pad	299

## 7 Non-Return Valves

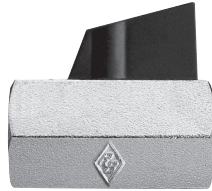
	Page
 Non-Return Valves	300

# Mini Ball Valves

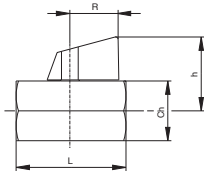
Connections: 1/8, 1/4, 3/8, 1/2

Our range of Mini Ball Valves offers a wide variety of choices for the design engineer.

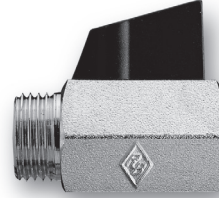
Part Number: 3830\*  
Lever - Female/Female



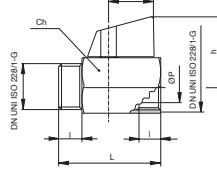
3830



Part Number: 3831\*  
Lever - Male/Female



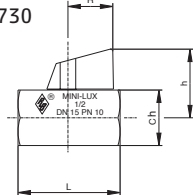
3831



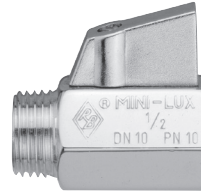
Part Number: 3730\*  
Lever - Female/Female



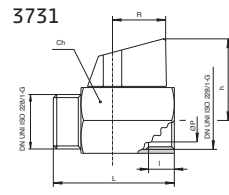
3730



Part Number: 3731\*  
Lever - Male/Female



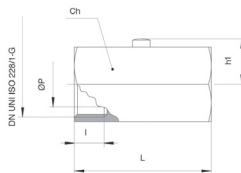
3731



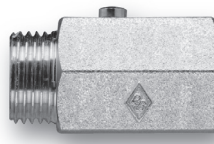
Part Number: 3860\*  
Screwdriver - Female/Female



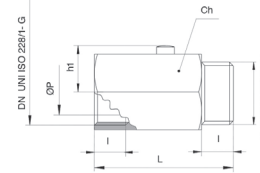
3860



Part Number: 3861\*  
Screwdriver - Male/Female



3861



## Technical Data

### Media

Most non-corrosive liquids and gases including air, water and fuels

### Operating Pressure

10 bar (147 p.s.i.)

### Operating Temperature

-20°C to +90°C (detail of valves for higher temperatures available on request)

### Flow Rate

Flow rates stated in Kv: Flow coefficient in m<sup>3</sup>/h at differential pressure of 100kPa

### Threads

UNI ISO 228/1

### Materials

Body: Brass, chrome plated, types 3730 and 3731 polished chrome plated

Handle: Plastic, types 3830 and 3831 black, types 3730 and 3731 plastic chromed

Ball: Brass, chrome plated

Main Seal: PTFE

Stem Seal: NBR. Viton on request

### Actuation Details

90° rotation of lever

We recommend that the valve is used in either the fully open or fully closed position. In addition, the valve should be actuated at least twice a year

### Additional Options

NPT screwed end connections (M/F and F/F)

Viton stem seal for higher temperatures

### Special Requests

For assistance, contact our technical office or your local Camozzi distributor.

✓ Ex Stock

🔧 UK Assembly

☎ Please Call Sales Office

## Dimensions (mm)

		DN	ØP	I	L	h	h1	Ch	R	Kv	PN
*1/8	✓	6	8	8	41	29	13.8	21	20.5	4.3	10
*1/4	✓	8	8	10	41	29	13.8	21	20.5	4.3	10
*3/8	✓	10	8	10	41	29	13.8	21	20.5	2.7	10
*1/2	✓	15	10	11	46	31	15.8	25	20.5	5.4	10



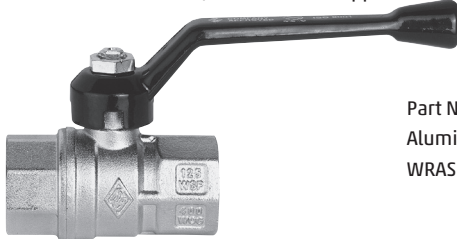
# Brass Ball Valves - Gas/WRAS Approved

Connections: 1/4, 3/8, 1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2, 3, 4

Our range of Brass Ball Valves offering a cost saving solution suitable for many applications.

Part Number: 1600\*

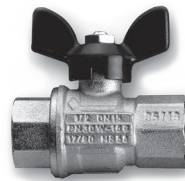
Aluminium Handle - Female/Female. WRAS Approved



Part Number: 1620\* (1/4 - 1 only)

Aluminium Butterfly Handle - Female/Female.

WRAS Approved



Part Number: 1610\*

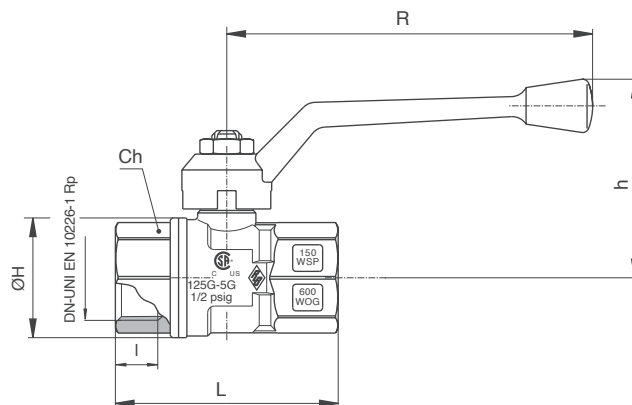
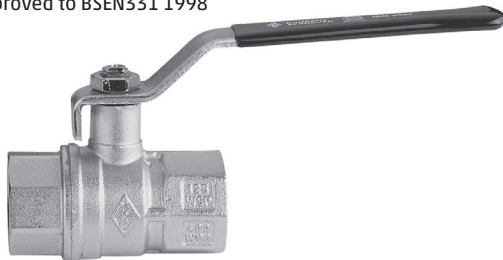
Steel with Black Plastic Coated Handle - Female/Female.

WRAS Approved

Part Number: 6273\*

Steel with Yellow Plastic Coated Handle - Female/Female

Gas approved to BSEN331 1998



## Technical Data

### Media

Most non-corrosive liquids and gases including air, water, solvents and fuels.

6273 range gas approved to BSEN331 1998 (MOP 5 Bar -20 to +60°C)

### Operating Pressure

Nominal working pressure (PN) in bar. (see chart)

### Operating Temperature

-20°C to +160°C

### Flow Rates

Flow rates stated in Kv: Flow coefficient in m<sup>3</sup>/h at differential pressure of 100kPa

### Threads

Female-Female UNI ISO 7/1

### Materials

Body: Nickel plated brass

Ball: Chromed brass

Seals: PTFE

Stem Seals: NBR

Lever Handle: Steel black enamelled

'T' Handle: Aluminium black enamelled

### Actuation

90° rotation of the lever.

We recommend that the valve is used in either the fully open or fully closed position. In addition, the valve should be actuated at least twice a year

### Additional Options

Female/Female NPT

Male/Female Threads



Locking Handle

Extension Stem



### Special Requests

For assistance, contact our technical office or your local Camozzi distributor.

✓ Ex Stock

🇬🇧 UK Assembly

☎ Please Call Sales Office

## Dimensions (mm) and Pressures

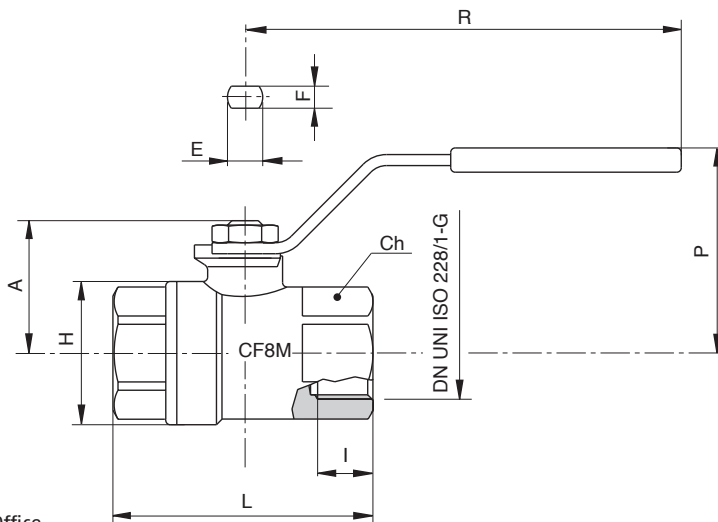
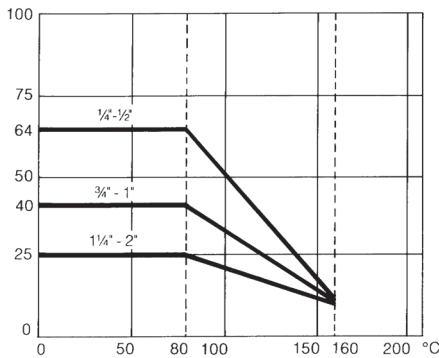
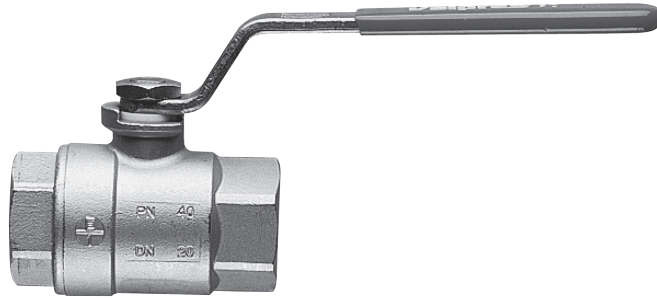
		DN	I	Ch	ØH	L	h	R	Kv	PN
*1/4	✓	8	11	20	23	51.5	47.5	95	5.4	64
*3/8	✓	10	11.4	20	23	51.5	47.5	95	6	64
*1/2	✓	15	15	25	30	59	48.5	95	16.3	30
*3/4	✓	20	16.3	31	36	67	59.5	110	29.5	30
*1	✓	25	19.1	38	43.5	81.5	62	110	43	30
*1 1/4	✓	32	21.4	48	53	94	76	160	89	25
*1 1/2	✓	40	21.4	54	65	102.5	81.5	160	230	25
*2	✓	50	25.7	67	80	123	99.5	170	265	25
*2 1/2	✓	65	30.2	90	111	152	129	205	540	25
*3	✓	80	33.3	105	136	177	140	205	873	25
*4	✓	100	39.3	130	166	214	160	260	1390	25

# Economy Stainless Steel Ball Valves - Two-Piece Design

Connections: 1/4, 3/8, 1/2, 3/4, 1, 1 1/4, 1 1/2, 2

2-piece Stainless Steel Quarter Turn Ball Valve with all wetted parts Stainless Steel AISI316. Other metal parts in Stainless Steel AISI304. Available with NPT Threads.

Part Number: 704000\*



- ✓ Ex Stock
- ✂ UK Assembly
- ☎ Please Call Sales Office

## Dimensions (mm) and Pressures

	Size	DN	A	H	L	R	Ch	I	E	F	P	Kv	PN	Kg
*02	✓ 1/4	8	28	30	53.5	110	ES.22	10	8	5	44	5.5	64	0.22
*03	✓ 3/8	10	28	30	53.5	110	ES.22	10	8	5	44	8.5	64	0.20
*04	✓ 1/2	15	30.5	32.5	60	110	ES.27	13	8	5	47	19.2	64	0.25
*05	✓ 3/4	20	37	40	70	131	ES.32	14	10	7	54	35.0	40	0.45
*06	✓ 1	25	41	49	79	131	OT.41	17	10	7	58	64.5	40	0.85
*07	✓ 1 1/4	32	50	62	91	174	OT.50	19	12	8	70	103.8	25	1.20
*08	✓ 1 1/2	40	57	75	103	174	OT.55	19.5	12	8	76	174.0	25	1.80
*10	✓ 2	50	66	95	124	174	OT.70	22.5	12	8	86	301.3	25	2.70

## Technical Data

### Media

Any application with media suitable to material of construction

### Operating Pressure

Nominal working pressure (PN) in

BAR -

See chart

Vacuum: Maximum 10<sup>-3</sup> torr.

### Operating Temperature

-20°C to +160°C

### Flow Rates

Flow rates stated in Kv: Flow coefficient in m<sup>3</sup>/h at differential pressure of 100kPa

### Threads

ISO 228/1

### Materials

Body: CF8M Stainless Steel

Ball: CF8M Stainless Steel

Seals: PTFE

Handle: Stainless Steel AISI430 with plastic grip

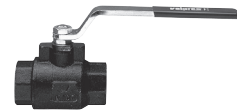
### Actuation

90° rotation of lever

We recommend that the valve is used in either the fully open or fully closed position. In addition, the valve should be actuated at least twice a year

### Additional Options

700023 - Female/Female NPT



Also available in Carbon Steel 705000

### Special Requests

For assistance, contact our technical office.

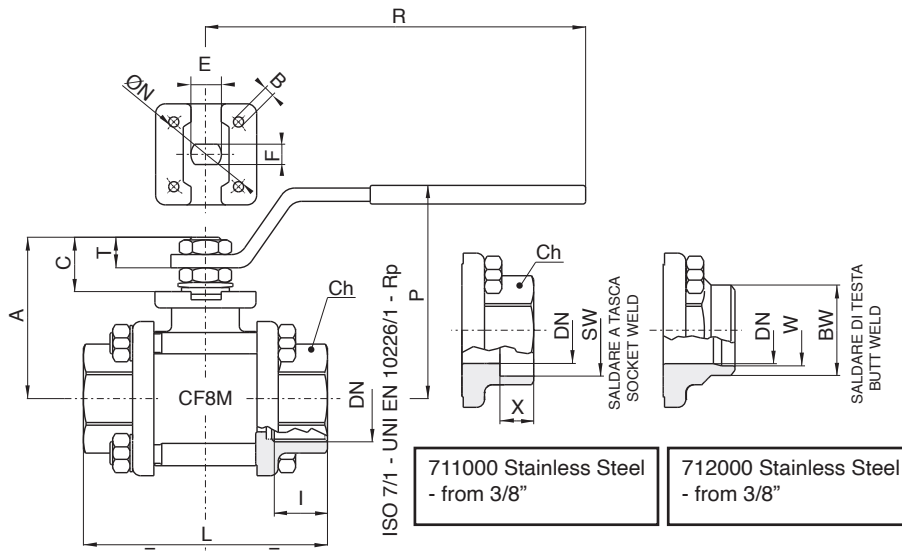
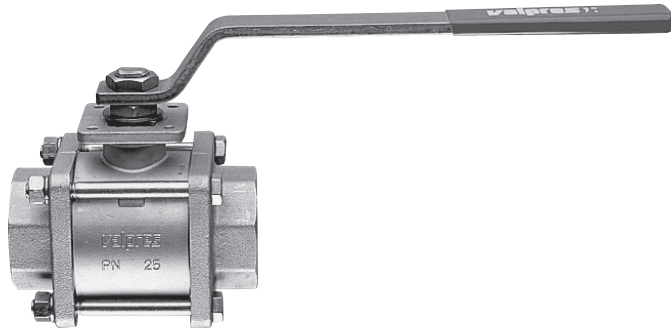
# Stainless Steel Ball Valves Three-Piece Design



Connections: 1/4, 3/8, 1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2, 3, 4

Full bore Valves for quarter turn on-off control of most non-corrosive and some corrosive liquids and gases compatible with the technical data below. Socket weld and butt weld types available.

Part Number: 710000\* - Female/Female  
711000\* - Socket Weld  
712000\* - Butt Weld



711000 Stainless Steel  
- from 3/8"

712000 Stainless Steel  
- from 3/8"

- ✓ Ex Stock
- 🔧 UK Assembly
- ☎ Please Call Sales Office

Dimensions (mm)																					
	Size	DN	SW	X	BW	W	I	L	Ch	R	P	A	C	T	E	F	N	B	Kv	PN	Kg
*02	✓ 1/4	8	-	-	-	-	11	57	OT.22	110	50	35	13.5	9	8	5	-	-	5.5	64	0.28
*03	✓ 3/8	10	18.2	9.5	17.1	12.48	11.4	57	OT.22	110	50	35	13.5	9	8	5	-	-	8.5	64	0.27
*04	✓ 1/2	15	22.4	9.5	21.3	15.76	15	65	OT.27	131	64	47	15	10	10	7	36	6	19.2	64	0.50
*05	✓ 3/4	20	27.7	11.1	26.7	20.96	16.3	76	OT.32	131	68	52	16	10	10	7	42	5.5	35.0	40	0.70
*06	✓ 1	25	34.5	12.7	33.4	26.64	19.1	92	OT.41	174	79	60	19.5	12.5	12	8	42	6	64.5	40	1.20
*07	✓ 1 1/4	32	43.2	14.3	42.2	35.08	21.4	106.5	OT.50	174	83	64	19.5	12.5	12	8	42	5.5	103.8	25	1.70
*08	✓ 1 1/2	40	49.5	15.9	48.3	40.94	21.4	116	OT.55	250	100	79	24	16.5	16	10	50	6.5	174.0	25	2.50
*10	✓ 2	50	62	17.5	60.3	52.48	25.7	136	OT.70	250	107	86	24	16.5	16	10	50	6.5	301.3	25	3.90
*12	✓ 2 1/2	65	76.5	20	73	62.68	30.2	153.5	Ø90	321	126	103	28	18	20	14	70	M8	545.7	16	8.15
*14	✓ 3	80	89.5	20	88.9	77.92	33.3	180	Ø105	321	137	114	28	18	20	14	70	M8	872.5	16	12.80
*18	✓ 4	100	115	20	114.3	102.26	39.3	217	Ø130	381	156	137	34.5	22	24	18	102	M10	1363.3	16	21.50

**Technical Data**  
**Media**  
Any application with media suitable to material of construction

**Operating Pressure**  
Nominal working pressure (PN) in BAR - See chart  
Vacuum: Maximum 10<sup>-3</sup> torr.

**Operating Temperature**  
-20°C to +160°C

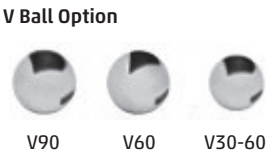
**Flow Rates**  
Flow rates stated in Kv: Flow coefficient in m<sup>3</sup>/h at differential pressure of 100kPa

**Threads/Connections**  
710000 - Female/Female ISO 7/1  
711000 - Socket Weld  
712000 - Butt Weld

**Material**  
Body, Spindle: CF8M Stainless Steel  
Ball: AISI316-CF8M Stainless Steel  
Seals: PTFE (Weld end valves 15% glass reinforced)  
90° Cam, Lever: Stainless Steel AISI430  
Stem O Ring: Viton  
Other metal Parts: Stainless Steel AISI303, 305

**Actuation**  
90° rotation of lever  
We recommend that the valve is used in either the fully open or fully closed position. In addition, the valve should be actuated at least twice a year

**Additional Options**  
710001 - Female/Female NPT B.1.20.1  
710009 - Female/Female PTFE Cavity Filled Seat  
710168 - Female/Female Gas Antistatic Device



**Special Requests**  
For assistance, contact our technical office

BALL VALVES AND NON RETURN VALVES



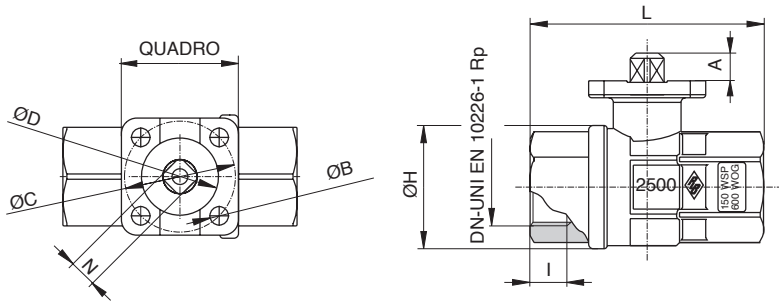
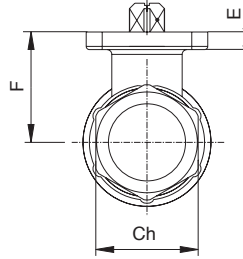
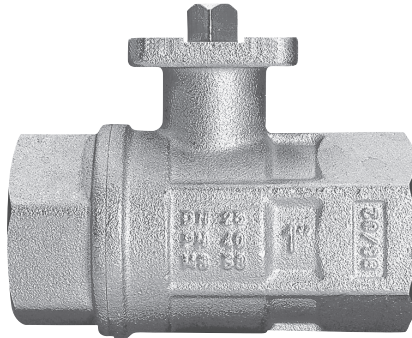
# Brass Ball Valves - with ISO Pad

Connections: 1/4, 3/8, 1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2, 3, 4

Full bore brass ball valves with ISO 5211 mounting pad for direct mounting of pneumatic/electric actuators for on-off applications of most non-corrosive media. Body seals energised with Viton 'O' rings.

Only for actuation - no lever available

Part Number: 2500\* ISO



**Technical Data**

**Media**

Most non-corrosive liquids and gases including air, water, solvents, fuels and propane

**Operating Pressure**

Nominal working pressure (PN) in BAR - See chart

**Operating Temperature**

-20°C to +160°C

**Flow Rates**

Flow rates stated in Kv: Flow coefficient in m<sup>3</sup>/h at differential pressure of 100kPa

**Threads**

UNI ISO 7/1

**Materials**

Body: Brass, nickel plated  
Ball: Brass, chrome plated  
Seals: PTFE with Viton 'O' Ring  
Size: 1/4" to 4" UNI ISO 7/1

**Actuation Details**

Refer to chart for torque and pad details

**Additional Options**

NPTF - Series 250N



Available with spring return (dead mans) lever.



Available with Pneumatic Actuators



Available with Electric Actuators

**Special Requests**

For assistance, contact our technical office or your local Camozzi distributor.

- ✓ Ex Stock
- 🔧 UK Assembly
- ☎ Please Call Sales Office

**Dimensions (mm) and Pressures**

	DN	Quadro	I	Ch	ØH	L	ISO 5211					E	F	N	Kv	PN	Kg
							A	ØB	ØC	ØD	S						
*1/4	✓ 8	38	11	27	33.5	67	9	6	36	25	2	5.5	32.5	9	5.4	40	0.37
*3/8	✓ 10	38	11.4	27	33.5	67	9	6	36	25	2	5.5	32.5	9	6	40	0.35
*1/2	✓ 15	38	15	27	33.5	67	9	6	36	25	2	5.5	32.5	9	16.3	40	0.31
*3/4	✓ 20	38	16.3	32	40	76	9	6	36	25	2	5.5	34.5	9	29.5	40	0.40
*1	✓ 25	38	19.1	41	49	90	9	6	36	25	3	6	45.5	9	43	40	0.75
*1 1/4	✓ 32	38	21.4	50	58.5	102	9	6	36	25	3	6	59	9	89	40	1.05
*1 1/2	✓ 40	50	21.4	55	73	114	11	7	50	35	3	10	64	11	230	40	1.73
*2	✓ 50	50	25.7	70	91.5	138	11	7	50	35	3	8	73.2	11	265	40	2.98
*2 1/2	✓ 65	70	30.2	90	114.5	165	15	9	70	55	3	9	88.5	14	540	25	4.20
*3	✓ 80	70	33.3	105	136	188	15	9	70	55	3	9	98	14	873	16	6.28
*4	✓ 100	70	39.3	130	166	225	17.5	9	70	55	3	8.5	116.5	17	1390	16	10.25

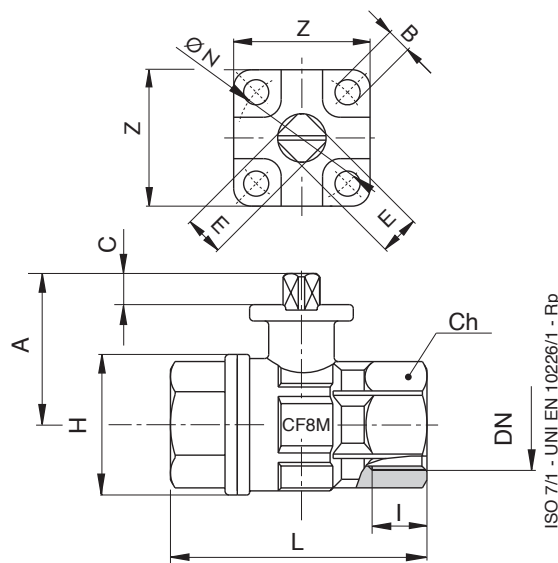
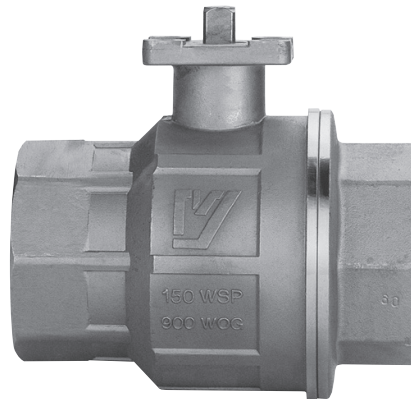
# Stainless Steel Ball Valves - with ISO Pad

ATEX

Connections: 1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 3

Full bore stainless steel ball valves with ISO 5211 mounting pad for direct mounting of pneumatic/electric actuators for on-off applications of most non-corrosive media. Body seals energised with Viton 'O' rings.

Part Number: 703000\*

**Technical Data****Media**

Any application with media suitable to stainless steel (materials of construction)

**Operating Pressure**

Nominal working pressure (PN) in BAR - See chart

**Operating Temperature**

-20°C to +160°C

**Flow Rates**

Flow rates stated in Kv: Flow coefficient in m<sup>3</sup>/h at differential pressure of 100kPa

**Threads**

ISO 7/1 RP

**Materials**

Body: CF8M

Ball: AISI 316

Seals: PTFE with Viton 'O' Ring

Stem: AISI 316

Size: 1/4 to 2 UNI ISO 7/1

**Actuation Details**

Refer to chart for torque and pad details

**Additional Options**

NPTF - Series 700076



Available with spring return (dead mans) lever.



Available with Pneumatic Actuators



Available with Electric Actuators

**Special Requests**

For assistance, contact our technical office or your local Camozzi distributor.

✓ Ex Stock

🇬🇧 UK Assembly

📞 Please Call Sales Office

**Dimensions (mm) and Pressures**

	Threads	DN	I	L	H	Ch	A	C	E	ØN	B	Z	Kv	PN	Kg
*04	✓ 1/2	15	15	67	34.5	ES.27	41.5	9	9	36	6	38	19.2	64	0.30
*05	✓ 3/4	20	16.3	78	42	ES.32	43.5	9	9	36	6	38	35	64	0.40
*06	✓ 1	25	19.1	90	51.5	ES.41	53.5	9	9	36	6	38	64.5	64	0.70
*07	✓ 1 1/4	32	21.4	100	64.5	OT.50	57	9	9	36	6	38	103.8	64	1.04
*08	✓ 1 1/2	40	21.4	112	77	OT.55	74	11	11	50	7	50	174	64	1.68
*10	✓ 2	50	25.7	135	97	OT.70	83.3	11	11	50	7	50	301.3	64	2.95
*14	✓ 3	80	33.3	180	145	105	120	17.5	17	70	9	64	872.5	25	9.50

**New version**

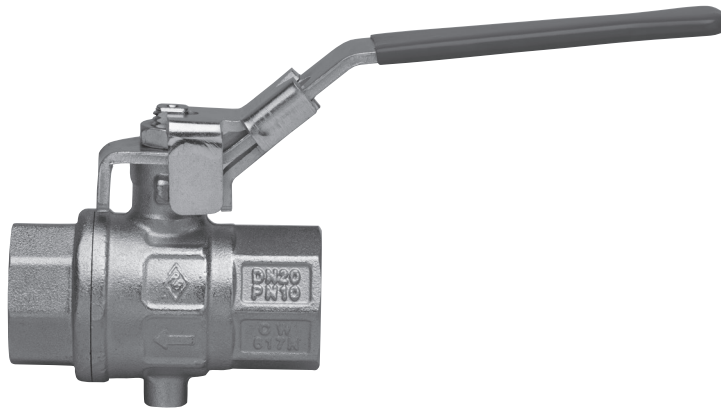
# Brass Ball Valves - Exhausting - with Locking Handle

Connections: 1/4, 3/8, 1/2, 3/4, 1

For use as an on-off valve for pneumatic systems.

In the off position, downstream air is exhausted to atmosphere through a small vent hole in the valve body. In this way the danger of pressurised air remaining in the system after shut-off can be eliminated.

Part Number: 5110\*



**Technical Data**

**Media**

Compressed Air

**Operating Pressure**

10 bar

**Operating Temperature**

-10°C to +100°C

**Flow Rates**

Flow rates stated in Kv: Flow coefficient in m<sup>3</sup>/h at differential pressure of 100kPa

**Threads**

UNI ISO 7/1

**Materials**

Body: Brass, nickel plated

Ball: Brass, hard chrome

Seals: PTFE

Handle: Steel zinc plated, red plastic coated

Direction flow: As indicated by arrow

Connections: 1/4 to 1 UNI ISO 7/1

Flow coefficient m<sup>3</sup>/h - see Kv column of dimensions

**Actuation Details**

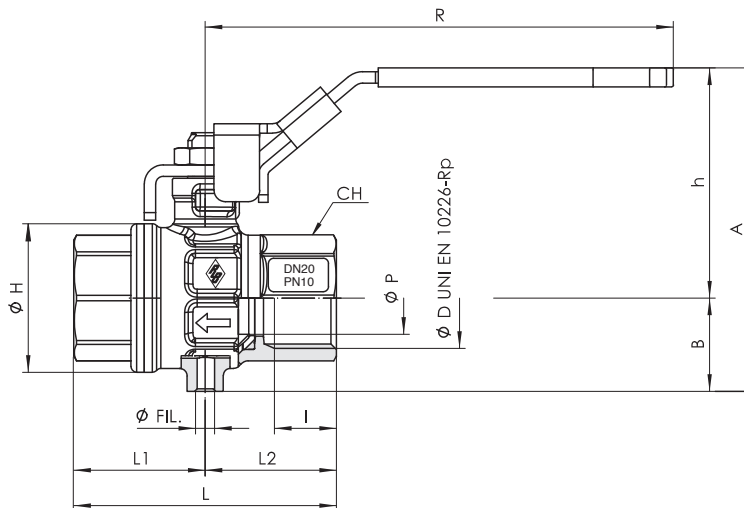
As per 1700 valve

**Additional Options**

Lockable handle

**Special Requests**

For assistance, contact our technical office or your local Camozzi distributor.



- ✓ Ex Stock
- 🔧 UK Assembly
- ☎ Please Call Sales Office

**Dimensions (mm) and Pressures**

	DN	ØP	A	B	h	ØH	I	L	L1	L2	R	Ch	ØFil	Kv	PN	Kg
*1/4	8	10	61.5	15.5	46	23	11	51.5	27.5	24	96	20	M5	5.4	10	0.18
*3/8	10	10	61.5	15.5	46	23	11.4	51.5	27.5	24	96	20	M5	6	10	0.16
*1/2	15	14	69.7	20	49.7	33	15	62	31	31	96	25	M5	15.7	10	0.24
*3/4	20	19	85	24.5	60.5	39	16.3	69	34.5	34.5	123	31	M5	28	10	0.40
*1	25	24	94.3	29	65.3	49	19.1	83	41.5	41.5	123	38	M5	41.5	10	0.61

# Lockable Safety Ball Valve

Connections: 1/4, 3/8, 1/2, 1

Our lockable safety ball valve is for use as an on-off valve for pneumatic systems. In off position, vent hole in valve body allows air to be exhausted. In the off position, downstream air is exhausted to atmosphere through a small vent hole in the valve body. Locking feature allows maintenance and setting activities to be carried out safely on the system and prevents air supply being reactivated inadvertently.

Part Number: S93\*



## Technical Data

### Media

For use as an on-off valve for pneumatic systems

### Operating Pressure

0 to 16 bar

### Operating Temperature

-20°C to +90°C

### Threads

UNI ISO 7/1

### Materials

Body: Brass, nickel plated

Ball: Brass, hard chrome

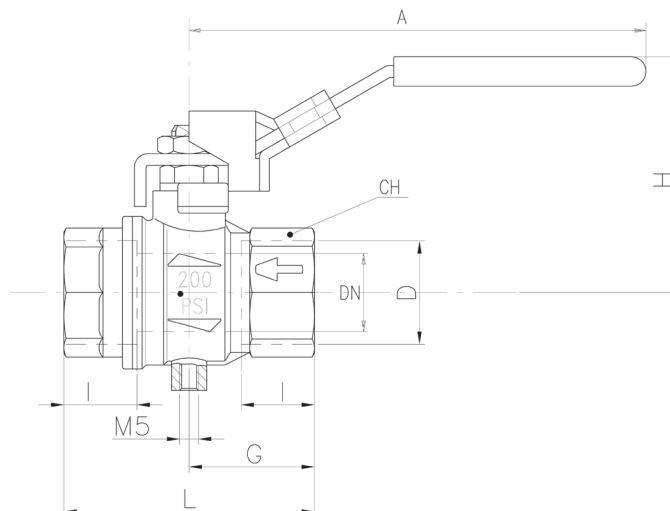
Seals: PTFE

Handle: Steel zinc plated, blue plastic coated

Direction flow: As indicated by arrow

### Special Requests

For assistance, contact our technical office or your local Camozzi distributor.



✓ Ex Stock

🇬🇧 UK Assembly

📞 Please Call Sales Office

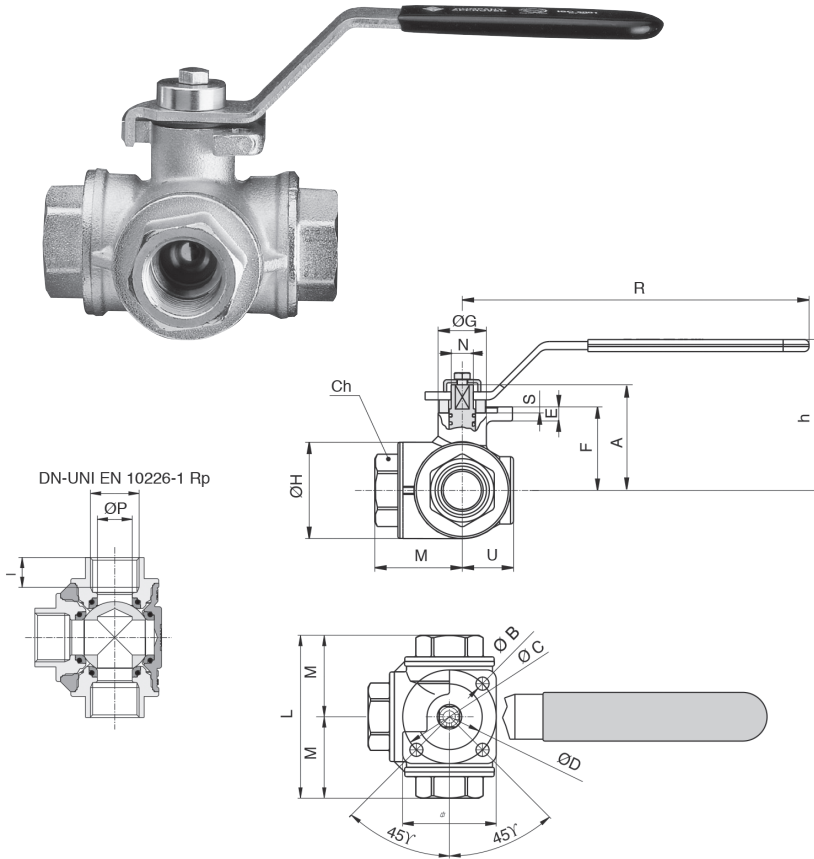
	D(inch)	DN(mm)	J(mm)	L(mm)	G(mm)	A(mm)	H(mm)	AF(mm)
*B00 ✓	1/4	8	12	45	22.5	96	47.5	20
*C00 ✓	3/8	9.5	12	45	22.5	96	47.5	20
*D00 ✓	1/2	15	15.5	59	29.5	96	52	25
*F00 ✓	1	24	21	81	40.5	117	63.5	40

# Brass Ball Valves Three-Way - with ISO 5211 Pad

Connections: 1/4, 3/8, 1/2, 3/4, 1, 1 1/4, 1 1/2, 2

Full bore, 3-way L-port or T-port ball valves for control of air, water, oil and some solvents and fuels. On site selection of desired flowpath by simple lever positioning system (see chart below). ISO Pad for direct mounting of actuator.

Part Number: 3500\* (T-port), 3600 (L-Port)



**Technical Data**

**Media**

Most non-corrosive liquids and gases including air, water, solvents, fuels and propane.

**Operating Pressure**

Nominal working pressure (PN) in BAR - See chart

**Operating Temperature**

-20°C to +160°C

**Flow Rates**

Flow rates stated in Kv: Flow coefficient in m<sup>3</sup>/h at differential pressure of 100kPa

**Threads**

UNI ISO 7/1

**Materials**

Body: Brass, Nickel-plated  
Balls: Brass, hard chromed  
Seal: PTFE and VITON  
Lever: Steel, plastic coated black

**Actuation Details**

90° rotation of lever. We recommend that the valve is used in either the fully open or fully closed position. In addition, the valve should be actuated at least twice a year

**Additional Options**

NPTF - NPT

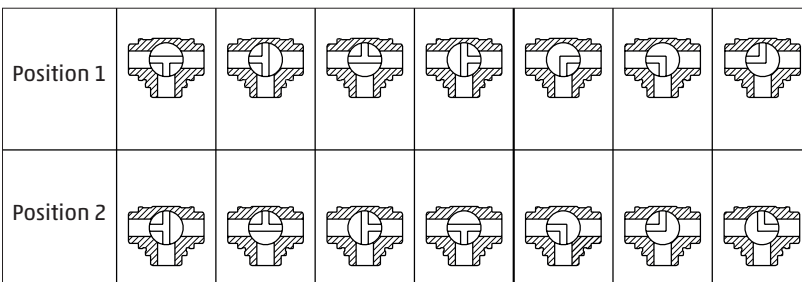
**Special Requests**

For assistance, contact our technical office or your local Camozzi distributor.

- ✓ Ex Stock
- 🔧 UK Assembly
- 📞 Please Call Sales Office

Dimensions (mm) and Pressures							ISO 5211																
Size	DN	ØP	I	Ch	ØH	L	A	ØB	ØD	ØC	E	F	Quadro	ØG	M	N	S	U	h	R	Kv	PN	Kg
*1/4	✓ 8	11	11	22	34	67	9	6	25	36 F03	5	30.5	38	22	33.5	9	2	19.5	62	120	2.8	30	0.55
*3/8	✓ 10	11	11.4	22	34	67	9	6	25	36 F03	5	30.5	38	22	33.5	9	2	19.5	62	120	3	30	0.52
*1/2	✓ 15	14	15	27	39	77	9	6	25	36 F03	5	32.5	38	22	38.5	9	2	22	64	120	3.9	30	0.65
*3/4	✓ 20	19	16.3	32	48	87	11	7	35	50 F05	7	41.5	50	24	43.5	11	3	24.5	75	170	7.9	30	1.10
*1	✓ 25	24.2	19.1	41	60	105	11	7	35	50 F05	7	47	50	24	52.5	11	3	30	80.5	170	13	16	1.83
*1 1/4	✓ 32	30	21.4	50	72	122.5	11	7	35	50 F05	7	59.5	50	32	61.2	11	3	38	93	170	20.7	10	2.75
*1 1/2	✓ 40	38	21.4	55	86	138.5	15	9	55	70 F07	8	74	70	37	69.2	14	3	44.5	111	230	38.7	10	4.57
*2	✓ 50	49.5	25.7	70	111	166	15	9	55	70 F07	8	85	70	37	83	14	3	56	122	230	54	10	8.37

**Flow Path Variations**



The flow paths are indicated by the markings on the spindle

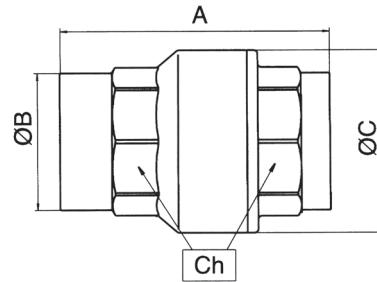
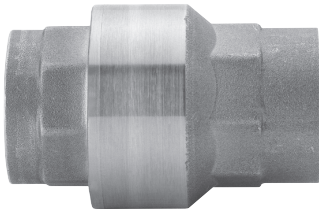


# Non-Return Valves

Connections: 3/8, 1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2, 3, 4  
Brass & Stainless Steel

Suitable for a wide range of fluids.

Part Number: 100000\* - Brass Valves



- ✓ Ex Stock
- 🔧 UK Assembly
- 📞 Please Call Sales Office

## Dimensions (mm) and Pressures

	DN	A	B	C	CH	Kv	PN	kg
*03 ✓	3/8	10	47	21.5	26.5	22	3.9	0.09
*04 ✓	1/2	15	59	25	34.5	25	5.2	0.14
*05 ✓	3/4	20	65	30.5	42	31	9.4	0.21
*06 ✓	1	25	75	37.5	49	38	14.5	0.32
*07 ✓	1 1/4	32	83	47.5	61	48	23.5	0.53
*08 ✓	1 1/2	40	89	53.5	73	54	33.5	0.75
*10 ✓	2	50	101.5	68	88	67	52	1.13
*12 ✓	2 1/2	65	121	82	111.5	83	84.3	2.00
*14 ✓	3	80	136	97.5	133	98	135.4	3.12
*18 ✓	4	100	158	127	163	128	193.2	5.64

## Technical Data

### Media

Suitable for air lines and generally for fluids compatible with materials used e.g. air, gas, oil, water etc.  
(NOT RECOMMENDED FOR USE DIRECTLY ON OR ADJACENT TO COMPRESSORS)

### Opening Pressure

20 - 25 millibar

### Operating Pressure

3/8 to 3/4 - 40 bar

1 to 1 1/4 - 25 bar

1 1/2 to 2 - 16 bar

2 1/2 to 3 - 12 bar

4 - 10 bar

### Operating Temperature

-20°C to +100°C

### Materials

Body: Brass

Seals: NBR

### Installation

In rigid pipework

### Position

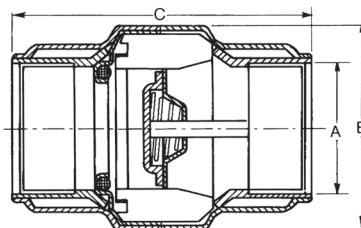
As indicators

### Special Requests

For assistance, contact our technical office or your local Camozzi distributor.



Part Number: CRO\* - Stainless Steel



- ✓ Ex Stock
- 🔧 UK Assembly
- 📞 Please Call Sales Office

## Dimensions (mm) and Pressures

	A	B	C	PN	Weight (gm)
*1/2 ✓	38	64	16	95	
*3/4 ✓	45	72	16	142	
*1 ✓	53	88	16	197	
*1 1/4 ✓	62	99	16	320	
*1 1/2 ✓	78	117	16	400	
*2 ✓	85	115	16	676	
*2 1/2 ✓	106	127	16	1075	
*3 ✓	128	140	16	1630	
*4 ✓	163	167	16	2770	

## Technical Data

### Media

Suitable for a wide range of fluids including hard hot water, hydrocarbons, corrosive and abrasive liquids

### Opening Pressure

0.03 BAR

### Operating Pressure

Nominal working pressure (PN) in bar - see chart

Not suitable for Vacuum

### Operating Temperature

-20°C to +150°C

(on request PTFE Seal -20°C to +200°C)

### Materials

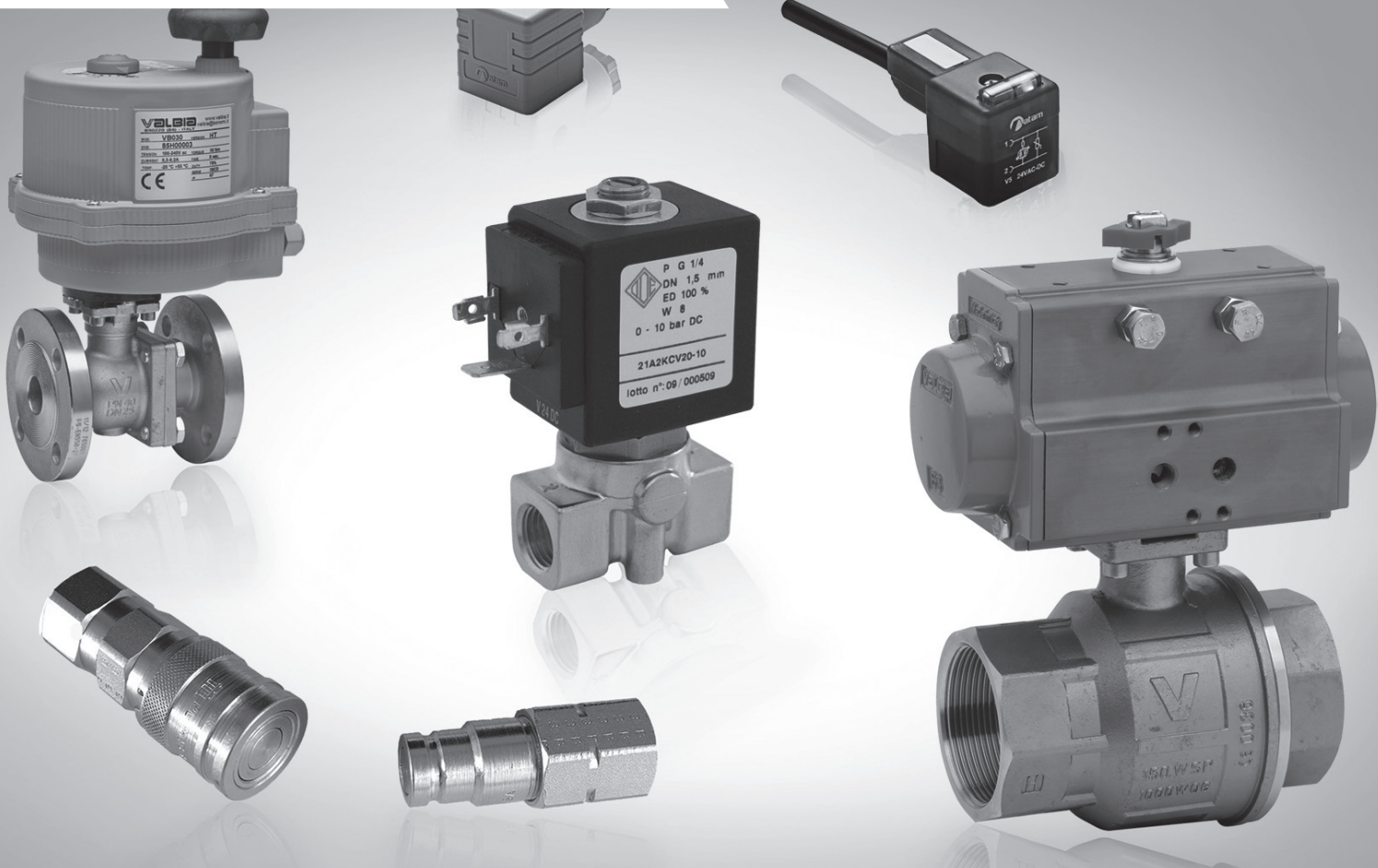
Metal parts: Stainless steel AISI 304, (316 stainless steel on request)

Seal: Viton

### Special Requests

For assistance, contact our technical office or your local Camozzi distributor.

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askus@camozzi.co.uk  
www.camozzi.co.uk  
store.camozzi.co.uk

# Process Valves and Actuation



## 1 Butterfly Valves

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## 2 Actuated Two-Way Ball Valves

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## 5 Accessories

		Page
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# Butterfly Valves - Manual

## Wafer Types 600104 & 600105

Wafer Butterfly Valve to suit PN16 and ANSI 150 flanges with Handle and Body made of Cast Iron. The Butterfly Valve series Eurofly Wafer and Lug have been manufactured to meet the industrial applications of water treatment, fire-fighting and plumbing plants. They can be used for all the applications where fluid regulation is required. The Seat construction is made with a rigid plastic ring covered with thick EPDM or Buna or Viton coating, depending on the media. This system offers a soft and reliable closure, a long cycling life and low torque. Due to the seat geometry it is particularly easy to replace.

Part Number: 600104\* Cast Iron Disc / EPDM seat  
600105\* Stainless Steel Disc / EPDM seat



Also available with limit switch box



### Technical Data

#### Media

Any application with media suitable to materials of construction

#### Maximum Operating Pressure

16 BAR

#### Operating Temperature

-10°C to +120°C EPDM

#### Flange Rating

PN16 / ANSI 150

#### Materials

Body: Cast Iron

Disc: 600105: Stainless Steel  
600104: Cast Iron

Stem: Stainless Steel 416

Liner: EPDM

Lever: EN GJL 250

#### Special Requests

For assistance, contact our technical office or your local Camozzi distributor.

#### Additional Options



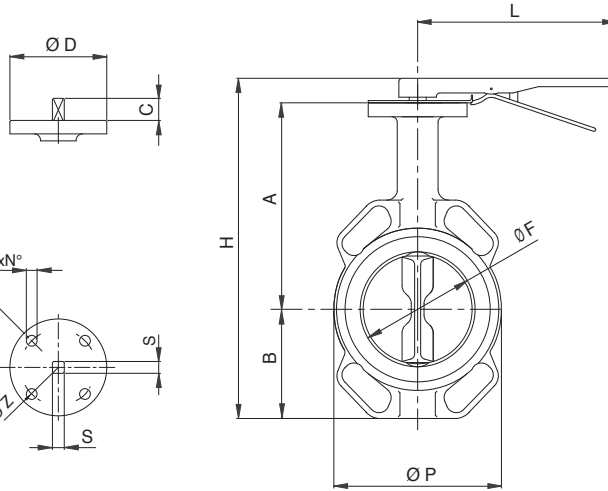
Available with Pneumatic or Electric Actuators



With limit switch box



Gearbox Operator



- ✓ Ex Stock
- 🔧 UK Assembly
- ☎ Please Call Sales Office

Dimensions (mm)																		
Size	DN	H	A	B	L	ØF	ØP	ØR	E	ØD	C	ØG	N°	ØZ	S	Kv	PN	Kg
*07	✓ 32	190	112	58	162	35	85	56	33	90	22	7/10	4	50/70	11	51.0	PN16 - ANSI 150	2.04
*08	✓ 40	204	112	70	162	41	95	68	33	90	22	7/10	4	50/70	11	68.0	PN16 - ANSI 150	2.30
*10	✓ 50	236.1	142.7	71.4	267	52.25	100	73.3	43	90	22	7/10	4	50/70	11	99.0	PN16 - ANSI 150	3.24
*12	✓ 65	255.2	155.4	77.8	267	64.05	120	86	46	90	22	7/10	4	50/70	11	169.0	PN16 - ANSI 150	3.88
*14	✓ 80	272.8	161.8	89	267	78.65	127	100.9	46	90	22	7/10	4	50/70	11	260.0	PN16 - ANSI 150	4.18
*18	✓ 100	302	178	102	267	104.15	161	132	52	90	22	10	4	70	14	516.0	PN16 - ANSI 150	5.36
*19	✓ 125	335.5	190.2	123	267	123.35	190	156	56	90	22	10	4	70	14	879.0	PN16 - ANSI 150	7.10
*20	✓ 150	365.2	205.2	138	267	155.85	215	185.4	56	90	22	10	4	70	14	1358.0	PN16 - ANSI 150	8.28
*21	✓ 200	439.5	237	168	358	202.55	268	235.2	60	150	34.5	12	4	102	17	2697.0	PN16 - ANSI 150	13.70
*77	✓ 250	509.8	268.3	207	358	250.55	325	289.4	68	150	34.5	12	4	102	22	4592.0	PN16 - ANSI 150	21.82
*78	✓ 300	586.5	308.5	243.5	358	301.65	375	341.2	78	150	34.5	14	4	125	27	7095.0	PN16 - ANSI 150	32.09
*97	✓ 350**	-	386	259	-	341.7	436	-	78	175	65	18	4	140	Ø28	10249	16	54.50
*98	✓ 400**	-	400	309	-	397.5	488	-	102	175	75	18	4	140	Ø38	14094	16	87.00
*	✓ 450**	-	422	327	-	448.4	536	-	114	175	75	18	4	140	Ø37.9	18666	16	101.50
*	✓ 500**	-	480	361	-	499	593	-	127	210	90	23	4	165	Ø45	24001	16	149.00
*	✓ 600**	-	562	459	-	600.1	820	-	151	210	100	23	4	165	Ø55.6	37080	16	240.00

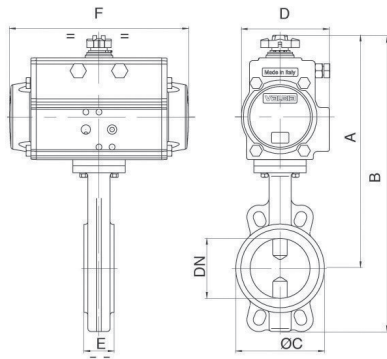
DN32-40 valves only available with Stainless Steel Disc.

# Butterfly Valves - Actuated

## Actuated 'Wafer' Type Cast Iron

Cast Iron 'Wafer' Pattern Butterfly Valve with Cast Iron and Stainless Steel Disc options, fitted with Pneumatic Actuator. For Valve details refer to types 600104 and 600105 on page 303.

Part Number: 8P009700\*  
 8P010100\*  
 8P009800\*  
 8P010200\*



- ✓ Ex Stock
- 🔧 UK Assembly
- 📞 Please Call Sales Office

Valve Mounted on Double Acting Actuator.

Types 8P009700\* } EN GJS 400 Disc  
 EPDM Liner

8P010100\* } CF8M Disc  
 EPDM Liner

Dimensions (mm)										
Size	DN	PN	A	B	ØC	D	E	F	ACT	
*07	32	16	224	282	85	71	33	141	DA52	
*08	40	16	224	294	95	71	33	141	DA52	
*10	50	16	255	326	100	71	43	141	DA52	
*12	65	16	267	345	120	71	46	141	DA52	
*14	80	16	281	370	127	81	46	164	DA63	
*18	100	16	315	417	161	95	52	210	DA75	
*19	125	16	341	464	190	106	56	241	DA85	
*20	150	16	355	493	215	106	56	241	DA85	
*21	200	16	434	602	268	137	60	333	DA115	
*77	250	16	482	689	325	148	68	372	DA125	
*78	300	16	541	784	375	164	78	435	DA140	

Valve Mounted on Single Acting Actuator.

Types 8P009800\* } GGG 40 Disc  
 EPDM Liner

8P010200\* } CF8M Disc  
 EPDM Liner

Dimensions (mm)										
Size	DN	PN	A	B	ØC	D	E	F	ACT	
*07	32	16	231	290	85	81	33	164	SR63	
*08	40	16	235	305	95	81	33	164	SR63	
*10	50	16	266	338	100	81	43	164	SR63	
*12	65	16	279	357	120	81	46	164	SR63	
*14	80	16	312	401	127	106	46	241	SR85	
*18	100	16	328	430	161	106	52	241	SR85	
*19	125	16	354	477	190	123	56	275	SR100	
*20	150	16	398	536	215	137	56	333	SR115	
*21	200*	16	493	661	268	186	60	500	SR160	
*77	250*	16	524	731	325	186	68	500	SR160	
*78	300*	16	697	940	375	217	78	579	SR200	

Valve design may vary from type shown

DN32-40 valves only available with Stainless Steel Disc.

### Technical Data

#### Media

Any application with media suitable to materials of construction

#### Maximum Operating Pressure

16 BAR

#### Flange Rating

PN16 / ANSI 150

#### Materials

For valve details refer to page 303

#### Additional Options

Limit switch boxes for open/closed position indication.  
 Actuation fitting conditions.  
 Fluid H<sub>2</sub>O +20°C Actuation 6 bar.  
 NAMUR solenoid valve.  
 Actuator sizing conditions are based on Water service at 16 Bar g with a minimum air supply pressure of 5.5 Bar g

#### Special Requests

For assistance, contact our technical office or your local Camozzi distributor.



Also available in Lugged Pattern



Main



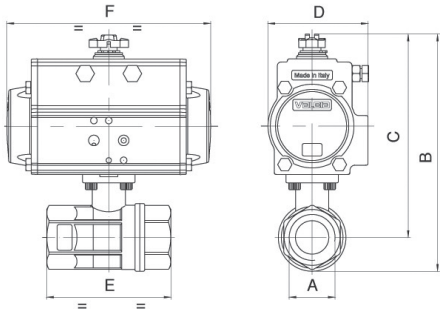
Section

# Pneumatically Actuated Two-Way Brass Ball Valves

Full bore 2-way brass ball valve, (type 2500 page 295), with direct mount pneumatic actuator.

Not suitable for use with solvents.

Part Number: 8P007900\* - Double Acting  
8P008100\* - Single Acting



## Technical Data

### Media

Most non-corrosive liquids and gases including air, water, fuels and propane

### Operating Pressure

Nominal working pressure (PN) in bar - see chart

### Flow Rates

Flow rates stated in 2500 data sheet

### Threads

DN - UNI EN 10226-1 Rp

### Materials

Body: Brass, nickel plated  
Ball: Brass, chrome plated  
Seals: PTFE with Viton and EPDM 'O' Ring

### Additional Options

Valve with NPTF thread.  
Limit switch boxes for open/closed position indication.  
Actuator sizing conditions are based on Water service at 16 Bar g with a minimum air supply pressure of 5.5 Bar

### Special Requests

For assistance, contact our technical office or your local Camozzi distributor.

PROCESS VALVES AND ACTUATION



Main



Section

- ✓ Ex Stock
- 🔧 UK Assembly
- ☎ Please Call Sales Office

## Valve Mounted on Double Acting Actuator. Types 8P007900

Dimensions (mm)										
Size	Thread	DN	PN	A	B	C	D	E	F	ACT
*02	1/4	8	40	1/4	115	98	45	67	110	DA32
*03	3/8	10	40	3/8	115	98	45	67	110	DA32
*04	1/2	15	40	1/2	115	98	45	67	110	DA32
*05	3/4	20	40	3/4	120	100	45	76	110	DA32
*06	1	25	40	1	135	111	45	90	110	DA32
*07	1 1/4	32	40	1 1/4	144	114	45	102	110	DA32
*08	1 1/2	40	40	1 1/2	203	166	71	114	141	DA52
*10	2	50	40	2	221	175	71	138	141	DA52
*12	2 1/2	65	25	2 1/2	259	202	81	165	164	DA63
*14	3	80	16	3	279	211	81	188	164	DA63
*18	4	100	16	4	345	262	106	225	241	DA85

## Valve Mounted on Single Acting Actuator. Types 8P008100

Dimensions (mm)										
Size	Thread	DN	PN	A	B	C	D	E	F	ACT
*02	1/4	8	40	1/4	151	134	71	67	141	SR52
*03	3/8	10	40	3/8	151	134	71	67	141	SR52
*04	1/2	15	40	1/2	151	134	71	67	141	SR52
*05	3/4	20	40	3/4	156	136	71	76	141	SR52
*06	1	25	40	1	172	147	71	90	141	SR52
*07	1 1/4	32	40	1 1/4	180	151	71	102	141	SR52
*08	1 1/2	40	40	1 1/2	214	177	81	114	164	SR63
*10	2	50	40	2	232	186	81	138	164	SR63
*12	2 1/2	65	25	2 1/2	291	234	106	165	241	SR85
*14	3	80	16	3	311	243	106	188	241	SR85
*18	4	100	16	4	358	275	123	225	275	SR100



NAMUR solenoid valves

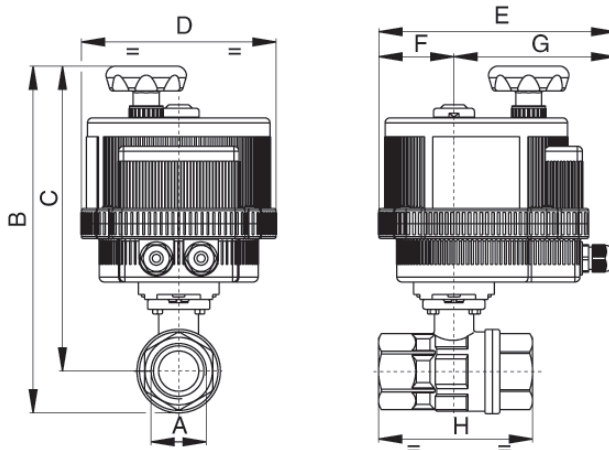


Limit switch box

# Electrically Actuated Two-Way Brass Ball Valves

2-way full bore ball valve, (type 2500 page 295), threaded F/F with electric actuator, not suitable for use with solvents.

Part Number: 8E014\*\* \*



### Technical Data

#### Media

Most non-corrosive liquids and gases including air, water, fuels and propane

#### Operating Pressure

Nominal working pressure (PN) in bar - see chart

#### Flow Rates

Flow rates stated in 2500 data sheet

#### Threads

DN - UNI EN 10226-1 Rp

#### Materials

Body: Brass, nickel plated  
Ball: Brass, chrome plated  
Seals: PTFE with Viton and EPDM 'O' Ring

#### Additional Options

Modulating options:

4 - 20mA or 0 - 10v

Battery Block for safety operation

Modulating complete with Battery Block for safety operation

#### Special Requests

For assistance, contact our technical office or your local Camozzi distributor.

PROCESS VALVES AND ACTUATION



Main



Section

- ✓ Ex Stock
- 🇬🇧 UK Assembly
- ☎ Please Call Sales Office

Voltage Supply Order Code			
For Mod. VB015	12V AC/DC **001	24V AC/DC **002	100-240V AC **004
For Mod. VB030-350	12V DC **001		

Dimensions (mm)											
Size	Thread	DN	PN	B	C	D	E	F	G	H	Elect. ACT
*02	1/4	8	40	192	175	123	164	43	121	67	VB 015
*03	3/8	10	40	192	175	123	164	43	121	67	VB 015
*04	1/2	15	40	192	175	123	164	43	121	67	VB 015
*05	3/4	20	40	197	177	123	164	43	121	76	VB 015
*06	1	25	40	213	188	123	164	43	121	90	VB 015
*07	1 1/4	32	40	221	191	123	164	43	121	102	VB 015
*08	1 1/2	40	40	289	252	157	191	61	130	114	VB 030
*10	2	50	40	308	262	157	191	61	130	138	VB 030
*12	2 1/2	65	25	360	303	185	215	68	147	165	VB 060
*14	3	80	16	382	314	185	215	68	147	188	VB 060
*18	4	100	16	435	352	211	237	84	153	225	VB 110

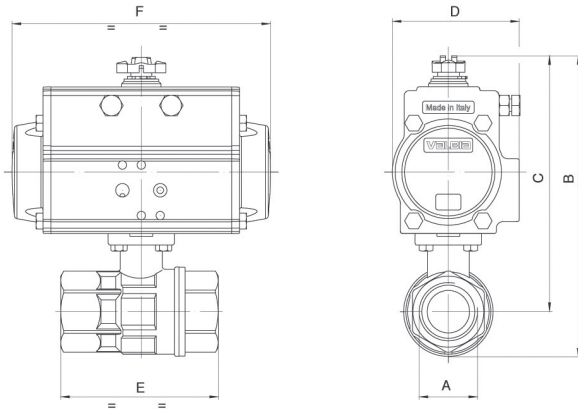
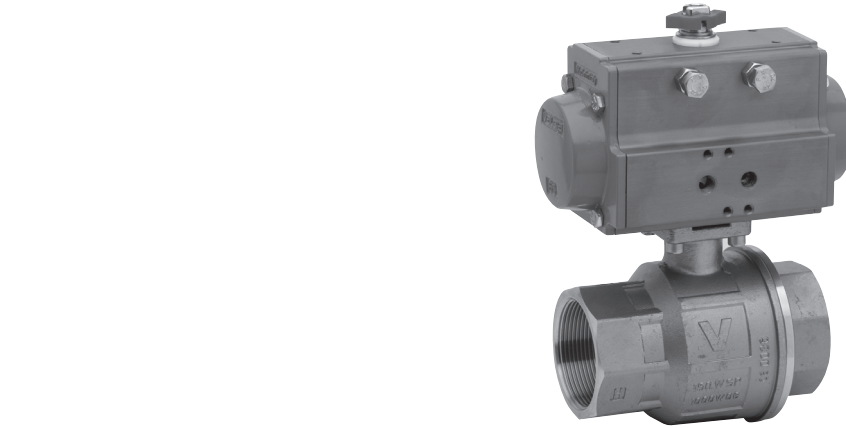
See full catalogue or catalogue.camozzi.com for all dimensions.  
For technical advice contact our sales office or your local Camozzi distributor.

# Pneumatically Actuated Two-Way Stainless Steel Ball Valve

Full bore 2-way Stainless Steel Ball Valve (Type 703000 Page 296) with Direct Mount Pneumatic Actuator.

Part Number: 8P000300\* - Double Acting  
8P000400\* - Single Acting

PROCESS VALVES AND ACTUATION



**Technical Data**

**Operating Conditions**  
Fluid water at +20°C

**Media**  
Any application with media suitable to stainless steel (materials of construction)

**Operating Pressure**  
Nominal working pressure (PN) in bar - see chart

**Operating Temperature**  
-20°C to +160°C

**Flow Rates**  
Flow rates stated in data sheet 703000

**Threads**  
ISO 7/1 UNI EN 10226/1 - Rp

**Materials**  
Body: CF8M  
Ball: CF8M  
Seals: PTFE with Viton 'O' Ring  
Stem: AISI 316

**Additional Options**  
Valve with NPTF threads. Limit switchbox for open and close position indicator.

Actuator sizing conditions are based on Water service at 16 Bar g with a minimum air supply pressure of 5.5 Bar g  
NAMUR solenoid valve

**Special Requests**  
For assistance, contact our technical office or your local Camozzi distributor.



- ✓ Ex Stock
- 🔧 UK Assembly
- 📞 Please Call Sales Office

**Valve Mounted on Double Acting Actuator. Types 8P000300**

Dimensions (mm)											
Size	Thread	DN	PN	A	B	C	D	E	F	ACT	
*04	1/2	15	64	1/2	115	98	45	67	110	DA 32	
*05	3/4	20	64	3/4	121	100	45	78	110	DA 32	
*06	1	25	64	1	136	110	45	90	110	DA 32	
*07	1 1/4	32	64	1 1/4	146	113	45	100	110	DA 32	
*08	1 1/2	40	64	1 1/2	203	165	71	112	141	DA 52	
*10	2	50	64	2	223	174	71	135	141	DA 52	
*14	3	80	25	3	306	234	95	180	210	DA 75	



NAMUR solenoid valves



Limit switch box

**Valve Mounted on Single Acting Actuator. Types 8P000400**

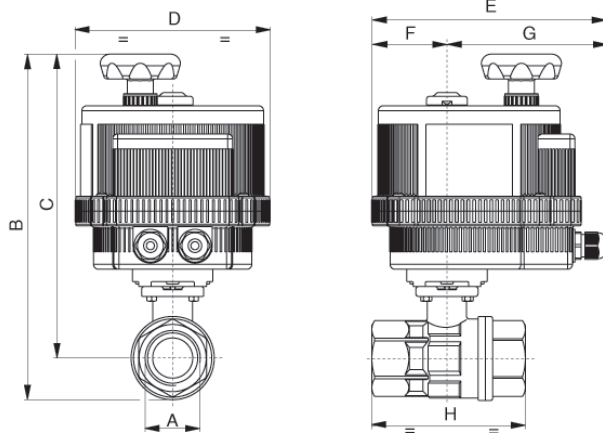
Dimensions (mm)											
Size	Thread	DN	PN	A	B	C	D	E	F	ACT	
*04	1/2	15	64	1/2	152	134	71	67	141	SR 52	
*05	3/4	20	64	3/4	157	136	71	78	141	SR 52	
*06	1	25	64	1	172	146	71	90	141	SR 52	
*07	1 1/4	32	64	1 1/4	182	150	71	100	141	SR 52	
*08	1 1/2	40	64	1 1/2	215	177	81	112	164	SR 63	
*10	2	50	64	2	235	186	81	135	164	SR 63	
*14	3	80	25	3	333	260	123	180	275	SR 100	



# Electrically Actuated Two-Way Stainless Steel Ball Valves

Full bore 2-way Stainless Steel Ball Valve (Type 703000 Page 296) with Direct Mount Electric Actuator.

Part Number: 8E003\*\* \*



**Technical Data**

**Media**

Any application with media suitable to stainless steel (materials of construction)

**Operating Pressure**

Nominal working pressure (PN) in bar - see chart

**Operating Temperature**

-20°C to +160°C

**Flow Rates**

Flow rates stated in data sheet 703000

**Threads**

ISO 7/1 - UNI EN 10226/1 - Rp

**Materials**

Body: CF8M

Ball: CF8M

Seals: PTFE with Viton 'O' Ring

Stem: AISI 316

**Additional Options**

Modulating options:

4 - 20mA or 0 - 10v

Battery Block for safety operation

Modulating complete with Battery Block for safety operation

**Special Requests**

For assistance, contact our technical office or your local Camozzi distributor.

PROCESS VALVES AND ACTUATION



- ✓ Ex Stock
- 🔧 UK Assembly
- ☎ Please Call Sales Office

Voltage Supply Order Code			
For Mod. VB015	12V AC/DC **001	24V AC/DC **002	100-240V AC **004
For Mod. VB030-350	12V DC **001		

Dimensions (mm)											
Size	Thread	DN	PN	B	C	D	E	F	G	H	Elect. ACT
*04	1/2	15	64	192	175	123	164	43	121	67	VB 015
*05	3/4	20	64	198	177	123	164	43	121	78	VB 015
*06	1	25	64	213	187	123	164	43	121	90	VB 015
*07	1 1/4	32	64	223	190	123	164	43	121	100	VB 015
*08	1 1/2	40	64	290	251	157	191	61	130	112	VB 030
*10	2	50	64	309	261	157	191	61	130	135	VB 030
*14	3	80	25	390	318	185	215	68	147	180	VB 060*

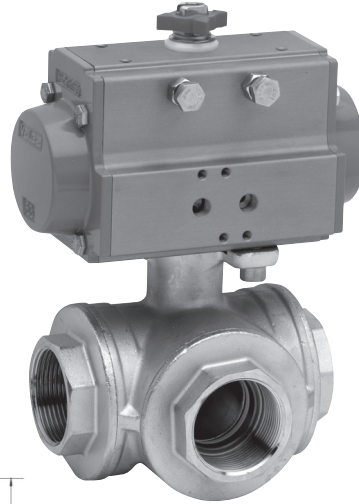
\*Special Version

# Pneumatically Actuated Three-Way Brass Ball Valves

## Full Bore 3-way Brass Ball Valve (Type 3500 'T' port and 3600 'L' port page 299) with Direct Mount Pneumatic Actuator

Full bore 3-way Brass Ball Valve, L port or T port design with Direct Mount Pneumatic Actuator. NPT thread version also available. Pressure rating up to 30 BAR according to size.

Part Number: 8P008300\* (double acting T Ported)  
8P008400\* (double acting L Ported)  
8P008500\* (single acting T Ported)  
8P008600\* (single acting L Ported)



### Technical Data

#### Media

Most non-corrosive liquids and gases including air, water, fuels and propane

#### Operating Pressure

Nominal working pressure (PN) in bar - see chart

#### Operating Temperature

-20°C to +160°C

#### Threads

DN - UNI EN 10226-1 Rp

#### Materials

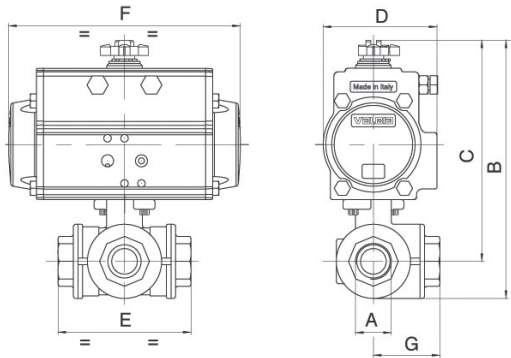
Body: Brass, nickel plated  
Ball: Brass, chrome plated  
Seals: PTFE with Viton and EPDM 'O' Ring

#### Additional Options

Valve with NPTF thread.  
Limit switch boxes for open/closed position indication.  
NAMUR solenoid valves.  
Actuator sizing conditions are based on Water service at 16 Bar g with a minimum air supply pressure of 5.5 Bar g

#### Special Requests

For assistance, contact our technical office or your local Camozzi distributor.



- ✓ Ex Stock
- 🔧 UK Assembly
- 📞 Please Call Sales Office

### Valve Mounted on Double Acting Actuator. Types 8P008300-T 8P008400-L

Dimensions (mm)												
Size	Thread	DN	PN	A	B	C	D	E	F	G	ACT	
*02	1/4	8	30	1/4	113	96	45	67	110	34	DA32	
*03	3/8	10	30	3/8	113	96	45	67	110	34	DA32	
*04	1/2	15	30	1/2	118	98	45	77	110	39	DA32	
*05	3/4	20	30	3/4	167	143	71	87	141	44	DA52	
*06	1	25	16	1	179	149	71	105	141	53	DA52	
*07	1 1/4	32	10	1 1/4	197	161	71	123	141	62	DA52	
*08	1 1/2	40	10	1 1/2	230	187	81	139	164	70	DA63	
*10	2	50	10	2	272	216	95	166	210	83	DA75	

### Valve Mounted on Single Acting Actuator. Types 8P008500-T 8P008600-L

Dimensions (mm)												
Size	Thread	DN	PN	A	B	C	D	E	F	G	ACT	
*02	1/4	8	30	1/4	149	132	71	67	141	34	SR52	
*03	3/8	10	30	3/8	149	132	71	67	141	34	SR52	
*04	1/2	15	30	1/2	154	134	71	77	141	39	SR52	
*05	3/4	20	30	3/4	179	155	81	87	164	44	SR63	
*06	1	25	16	1	190	160	81	105	164	53	SR63	
*07	1 1/4	32	10	1 1/4	209	173	81	123	164	62	SR63	
*08	1 1/2	40	10	1 1/2	262	219	106	139	241	70	SR85	
*10	2	50	10	2	299	243	123	166	275	83	SR100	



NAMUR solenoid valves



Limit switch box

# Electrically Actuated Three-Way Brass Ball Valves

Full Bore 3-way Brass Ball Valve (Type 3500 'T' port and 3600 'L' port page 299) with Direct Mount Electric Actuator

Part Number: 8E028\*\* \*(T)  
8E029\*\* \*(L)



**Technical Data**

**Media**

Most non-corrosive liquids and gases including air, water, fuels and propane.

**Operating Pressure**

Nominal working pressure (PN) in bar - see chart

**Flow Rates**

Flow rates stated in data sheet  
3500/3600

**Threads**

ISO 7/1 - UNI EN 10226/1 - Rp

**Materials**

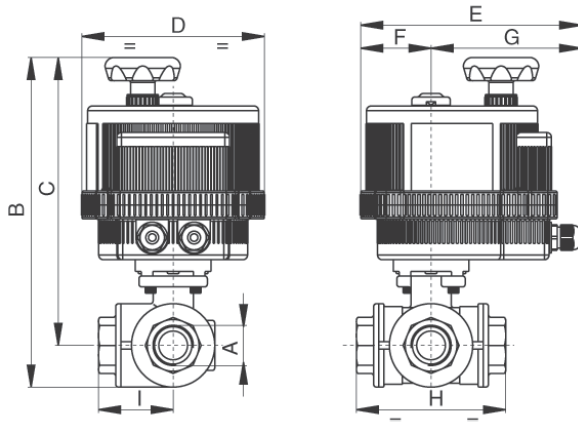
Body: Brass, Nickel-plated  
Balls: Brass, hard chromed  
Seal: PTFE and Viton and EPDM 'O' Ring

**Additional Options**

Modulating options:  
4 - 20mA or 0 - 10v  
Modulating complete with Battery Block for safety operation

**Special Requests**

For assistance, contact our technical office or your local Camozzi distributor.



- ✓ Ex Stock
- 🔧 UK Assembly
- ☎ Please Call Sales Office

Voltage Supply Order Code			
For Mod. VB015	12V AC/DC **001	24V AC/DC **002	100-240V AC **004
For Mod. VB030-350	12V DC **001		

Dimensions (mm)												
Size	Thread	DN	PN	B	C	D	E	F	G	H	I	Elect. ACT
*02	1/4	8	30	190	173	123	164	43	121	67	34	VB 015
*03	3/8	10	30	190	173	123	164	43	121	67	34	VB 015
*04	1/2	15	30	195	175	123	164	43	121	77	39	VB 015
*05	3/4	20	30	208	184	123	164	43	121	87	44	VB 015
*06	1	25	16	265	235	157	191	61	130	105	53	VB 030
*07	1 1/4	32	10	284	248	157	191	61	130	123	62	VB 030
*08	1 1/2	40	10	332	289	185	215	68	147	139	70	VB 060
*10	2	50	10	356	300	185	215	68	147	166	83	VB 060

See full catalogue or catalogue.camozzi.com for all dimensions.  
For technical advice contact our sales office or your local Camozzi distributor.



Main



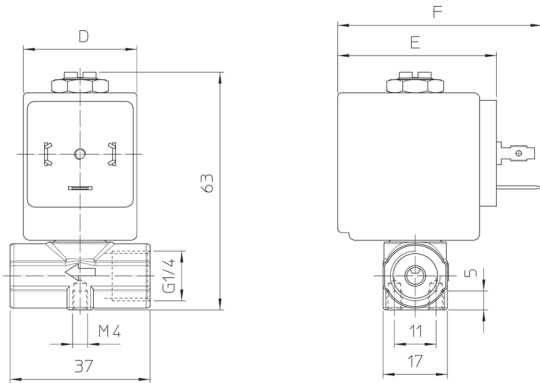
Section

# Solenoid Valves - Direct Acting

Connections: 1/8, 1/4

Operation: Direct Acting 2/2 NC

PROCESS VALVES AND ACTUATION



**Technical Data**

**Type of Construction**

Direct - Acting  
Normally closed only

**Line Media**

Non-aggressive liquids and gases, ie air, oil, water

**Operating Pressure**

See table

**Operating Temperature**

Ambient: -10°C to +55°C  
Fluid: -10°C to +140°C

**Threads**

BSPG GAS Parallel ISO 228/1

**Materials**

Body: Brass  
Other Parts: Stainless steel  
Seals: Viton

**Mounting**

M4 mounting holes in body

**Standard Voltages**

12VDC 24VDC  
24VAC 110VAC 230VAC (50Hz)

**Protection Rating**

IP65 with connector  
- see pages 134-137

**Power Consumption**

DC: 8W  
AC: Working 14 VA In rush 25 VA

**Options**

Different voltages  
Bi-stable coils

**Special Requests**

For assistance, contact our technical office or your local Camozzi distributor.

- ✓ Ex Stock
- ✎ UK Assembly
- 📞 Please Call Sales Office

Connection Sizes	D	E	F
1/8 - 1/4	30	42	54

2/2 Direct - Acting Solenoid Valves					
		Size	Orifice Ø mm	Pressure Range (bar)	
				AC	DC
21TG1KROV17	✓	1/8	1.7	0 - 30	0 - 20
21TG1KROV22	✓	1/8	2.2	0 - 20	0 - 15
21TG1KROV28	✓	1/8	2.8	0 - 14	0 - 10
21TG1KROV40	✓	1/8	4.0	0 - 6	0 - 3
21TG2KROV17	✓	1/4	1.7	0 - 30	0 - 20
21TG2KROV22	✓	1/4	2.2	0 - 20	0 - 15
21TG2KROV28	✓	1/4	2.8	0 - 14	0 - 10
21TG2KROV40	✓	1/4	4.0	0 - 6	0 - 3

\*Please specify coil voltage required when ordering.  
Price excludes coil - please order separately (see below).

8 Watt Coils		
		Voltage
BDA08012CS	✓	12V DC
BDA08024CS	✓	24V DC
BDA08024DS	✓	24V AC
BDA08110DS	✓	110V AC
BDA08223DS	✓	230V AC



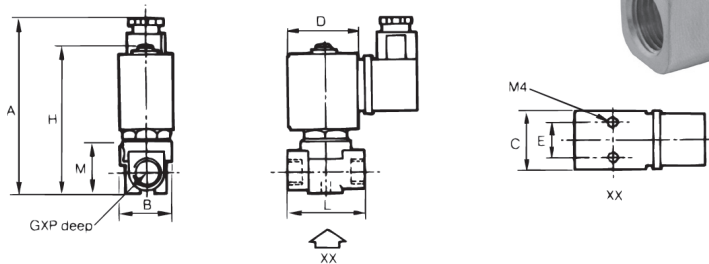
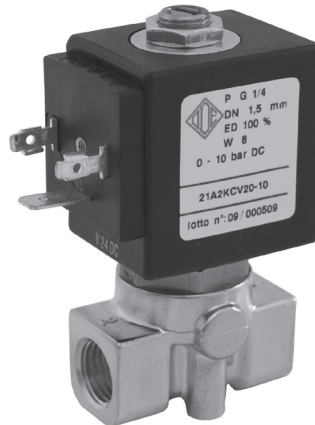
**For Standard Connectors**

See pages 134-135

# Solenoid Valves - Direct Acting

Connections: 1/4

Operation: Direct Acting 2/2 NC or NO



- ✓ Ex Stock
- ✎ UK Assembly
- ☎ Please Call Sales Office

Connection Size	A	B	C	D	E	F	G	M	P
1/4	91	28	52	55	16	78	41	28	7

2/2 Direct - Acting Solenoid Valves (For use with 8W Coil)							
	Orifice Size	Ø mm	Pressure Range (bar) Normally Closed		Pressure Range (bar) Normally Open		
			AC	DC	AC	DC	
21A2KV25	✓	1/4	2.5	0 - 14	0 - 9	-	-
21A2ZV25	✓	1/4	2.5	-	-	0 - 14	0 - 14
21A2KV30	✓	1/4	3.0	0 - 10	0 - 6	-	-
21A2ZV30	✓	1/4	3.0	-	-	0 - 10	0 - 10

2/2 Direct - Acting Solenoid Valves (For use with 12W Coil)							
	Size	Orifice Ø mm	Pressure Range (bar) Normally Closed		Pressure Range (bar) Normally Open		
			AC	DC	AC	DC	
21A2KV25	✓	1/4	2.5	0 - 30	0 - 25	-	-
21A2ZV25	✓	1/4	2.5	-	-	0 - 17	0 - 17
21A2KV30	✓	1/4	3.0	0 - 25	0 - 18	-	-
21A2ZV30	✓	1/4	3.0	-	-	0 - 15	0 - 15

Please specify coil voltage required when ordering. Price excludes coil - please order separately (see below).

8 and 12 Watt Coils			
		Voltage	Watt
BDA08012CS	✓	12V DC	8W
BDA08024CS	✓	24V DC	8W
BDA08024DS	✓	24V AC	8W
BDA08110DS	✓	110V AC	8W
BDA08223DS	✓	230V AC	8W
UDA12012CS	✓	12V DC	12W
UDA12024CS	✓	24V DC	12W
UDA12024AS	✓	24V AC	12W
UDA12110DS	✓	110V AC	12W
UDA12230AS	✓	230V AC	12W

**Technical Data**  
**Type of Construction**  
 Direct - Acting  
 Normally closed or normally open

**Line Media**  
 Non-aggressive liquids and gases, ie air, oil, water

**Operating Pressure**  
 See table

**Operating Temperature**  
 Ambient: -10°C to +55°C  
 Fluid: -10°C to +140°C

**Threads**  
 BSPP GAS Parallel ISO 228/1

**Materials**  
 Body: Brass  
 Other Parts: Stainless steel  
 Seals: Viton

**Mounting**  
 M4 mounting holes in body

**Standard Voltages**  
 12VDC 24VDC  
 24VAC 110VAC 230VAC (50Hz)

**Protection Rating**  
 IP65 with connector  
 - see pages 134-137

**Power Consumption**  
 DC: 8W  
 AC: Working 14 VA In rush 25 VA  
 DC: 12W  
 AC: Working 35 VA In rush 25 VA

**Options**  
 Different voltages  
 Bi-stable coils  
 Different seals

**Special Requests**  
 For assistance, contact our technical office or your local Camozzi distributor.



**For Moulded Connectors**  
 See pages 136-137

PROCESS VALVES AND ACTUATION

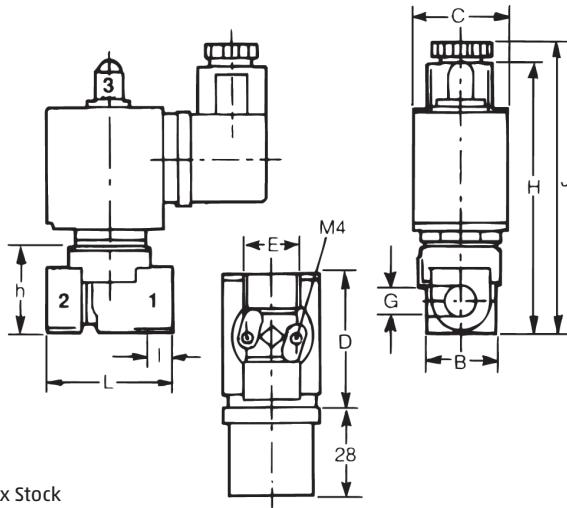


# Solenoid Valves - Direct Acting

Connections: 1/8, 1/4

Operation: Direct Acting 3/2 NC

PROCESS VALVES AND ACTUATION



- ✓ Ex Stock
- ✎ UK Assembly
- ☎ Please Call Sales Office

Connection Size B	C	D	E	h	H	I	J	L
1/8 - 1/4	28	31	42	16	28	88	7	92

### 3/2 Direct - Acting Solenoid Valves

		Size	Orifice	Pressure Range (bar)	
			Ø mm	AC	DC
31A3AV20	✓	1/8	2.0 (2.5)	10	10
31A3AV25	✓	1/8	2.5 (2.5)	6	6
31A2AV20	✓	1/4	2.0 (2.5)	10	10
31A2AV25	✓	1/4	2.5 (2.5)	6	6
31A2AV30	✓	1/4	3.0 (2.5)	5	5

Please specify coil voltage required when ordering.  
Price excludes coil - please order separately (see below).

### 8 Watt Coils

		Voltage
BDA08012CS	✓	12V DC
BDA08024CS	✓	24V DC
BDA08024DS	✓	24V AC
BDA08110DS	✓	110V AC
BDA08223DS	✓	230V AC

#### Technical Data

#### Type of Construction

Direct - Acting  
Normally closed

#### Line Media

Non-aggressive liquids and gases, ie air, oil, water

#### Operating Pressure

See table

#### Operating Temperature

Ambient: -10°C to +55°C  
Fluid: -10°C to +140°C

#### Threads

BSPG GAS Parallel ISO 228/1

#### Materials

Body: Brass  
Other Parts: Stainless steel  
Seals: Viton

#### Mounting

M4 mounting holes in body

#### Standard Voltages

12VDC 24VDC  
24VAC 110VAC 230VAC (50Hz)

#### Protection Rating

IP65 with connector  
- see pages 134-137

#### Power Consumption

DC: 8W  
AC: Working 14 VA In rush 25 VA  
Supply: 2 Output: 1 Exhaust: 3

#### Options

Different voltages  
Bi-stable coils  
Normally open version

#### Special Requests

For assistance, contact our technical office or your local Camozzi distributor.



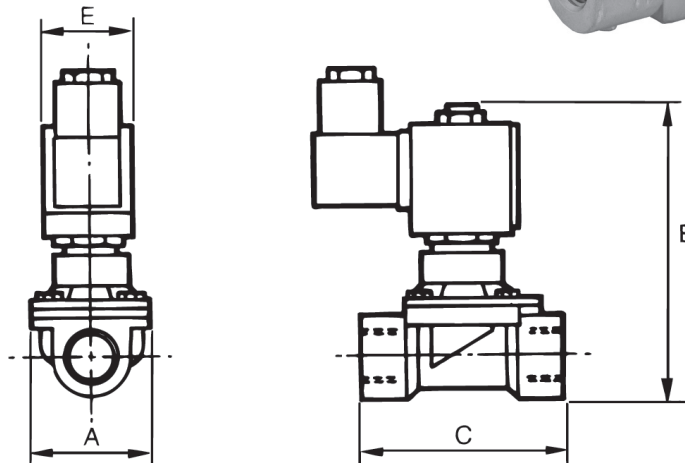
#### For Moulded Connectors

See pages 136-137

# Solenoid Valves - Servo Assisted

Connections: 3/8, 1/2, 3/4

Operations: Servo assisted 2/2 NC



**Technical Data**

**Type of Construction**

Servo - Assisted  
Normally closed only

**Line Media**

Non-aggressive liquids and gases, ie air, oil, water

**Operating Pressure**

See table

**Operating Temperature**

Ambient: -10°C to +55°C  
Fluid: -10°C to +140°C

**Threads**

BSPP GAS Parallel ISO 228/1

**Materials**

Body: Brass  
Other Parts: Stainless steel  
Seals: Viton

**Mounting**

Body can be drilled for mounting

**Standard Voltages**

12VDC 24VDC  
24VAC 110VAC 230VAC (50Hz)

**Protection Rating**

IP65 with connector  
- see pages 134-137

**Power Consumption**

DC: 8W  
AC: Working 14 VA In rush 25 VA  
DC:12W  
AC: Working 25 VA In rush 35 VA

**Options**

Different voltages  
Bi-stable coils  
Different seals

**Special Requests**

For assistance, contact our technical office or your local Camozzi distributor.

- ✓ Ex Stock
- ✚ UK Assembly
- ☎ Please Call Sales Office

2/2 Servo - Assisted Solenoid Valves		Dimensions					Pressure Range (bar)	
		Size	A	B	C	E	AC	DC
21H7KV120	✓	3/8	40	92	50	30	0.1 - 20	0.1 - 10
21H8KV120	✓	1/2	40	92	50	30	0.1 - 20	0.1 - 10
21H9KV180	✓	3/4	50	96	35	30	0.1 - 16	0.1 - 16 (12 watt coil only)

Please specify coil voltage required when ordering.  
Price excludes coil - please order separately (see below).

8 and 12 Watt Coils			
		Voltage	Watt
BDA08012CS	✓	12V DC	8W
BDA08024CS	✓	24V DC	8W
BDA08024DS	✓	24V AC	8W
BDA08110DS	✓	110V AC	8W
BDA08223DS	✓	230V AC	8W
UDA12012CS	✓	12V DC	12W
UDA12024CS	✓	24V DC	12W
UDA12024AS	✓	24V AC	12W
UDA12110DS	✓	110V AC	12W
UDA12230AS	✓	230V AC	12W



**For Standard Connectors**

See pages 134-135

PROCESS VALVES AND ACTUATION

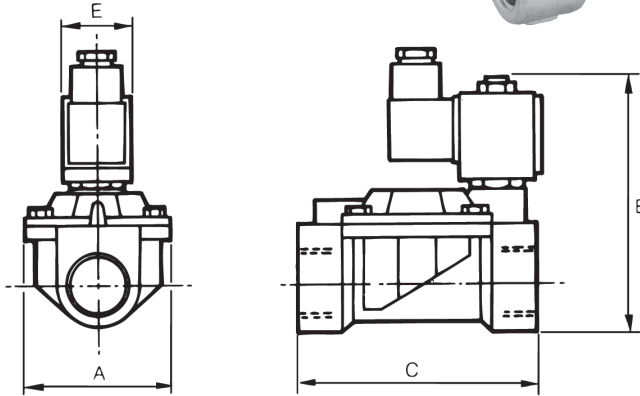


# Solenoid Valves - Servo Assisted

Connections: 3/8, 1/2, 3/4, 1, 1 1/4, 1 1/2, 2

Operations: Servo Assisted 2/2 NC or NO

PROCESS VALVES AND ACTUATION



**Technical Data**  
**Type of Construction**  
 Servo - Assisted  
 Normally closed or normally open

**Line Media**  
 Non-aggressive liquids and gases, ie air, oil, water

**Operating Pressure**  
 See table

**Operating Temperature**  
 Ambient: -10°C to +55°C  
 Fluid: -10°C to +140°C

**Threads**  
 BSPP GAS Parallel ISO 228/1

**Materials**  
 Body: Brass  
 Other Parts: Stainless steel  
 Seals: Viton

**Mounting**  
 Normally in fixed pipework

**Standard Voltages**  
 12VDC 24VDC  
 24VAC 110VAC 230VAC (50Hz)

**Protection Rating**  
 IP65 with connector  
 - see pages 134-137

**Power Consumption**  
 DC: 8W  
 AC: Working 14 VA In rush 25 VA

- ✓ Ex Stock
- 🔧 UK Assembly
- 📞 Please Call Sales Office

2/2 Servo - Assisted Solenoid Valves									
		Size	Orifice Ø mm	Dimensions				Pressure Range (bar)	
				A	B	C	E	AC	DC
21WA3KOV130	✓	3/8	13	40	97	60	30	0.2 - 16	0.2 - 16
21WA3ZOV130	✓	3/8	13	40	97	60	30	0.2 - 16	0.2 - 16
21WA4KOV130	✓	1/2	13	40	97	66	30	0.2 - 16	0.2 - 16
21WA4ZOV130	✓	1/2	13	40	97	66	30	0.2 - 16	0.2 - 16
21W3KV190	✓	3/4	19	65	105	104	30	0.2 - 16	0.2 - 16
21W3ZV190	✓	3/4	19	65	105	104	30	0.2 - 16	0.2 - 16
21W4KV250	✓	1	25	65	112	104	30	0.2 - 16	0.2 - 16
21W4ZV250	✓	1	25	65	112	104	30	0.2 - 16	0.2 - 16
21W5KV350	✓	1 1/4	35	98	125	144	30	0.2 - 10	0.2 - 10
21W5ZV350	✓	1 1/4	35	98	125	144	30	0.2 - 10	0.2 - 10
21W6KV400	✓	1 1/2	40	98	125	144	30	0.2 - 10	0.2 - 10
21W6ZV400	✓	1 1/2	40	98	125	144	30	0.2 - 10	0.2 - 10
21W7KV500	✓	2	50	118	141	172	30	0.2 - 10	0.2 - 10
21W7ZV500	✓	2	50	118	141	172	30	0.2 - 10	0.2 - 10

K = Normally Closed (NC), Z = Normally Open (NO)  
 Please specify coil voltage required when ordering. Price excludes coil - please order separately (see below).

8 Watt Coils		
		Voltage
BDA08012CS	✓	12V DC
BDA08024CS	✓	24V DC
BDA08024DS	✓	24V AC
BDA08110DS	✓	110V AC
BDA08223DS	✓	230V AC

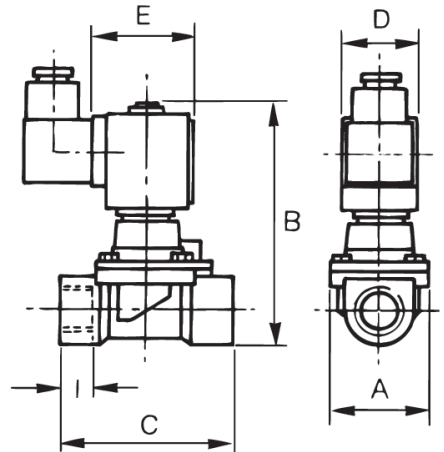


**For Moulded Connectors**  
 See pages 136-137



# Solenoid Valves - Coupled Diaphragm

Connections: 3/8, 1/2, 3/4, 1, 3/4, 1, 1 1/2  
 Operations: Coupled Diaphragm 2/2 NC  
 Operates from zero pressure



**Technical Data**

**Type of Construction**  
 Coupled diaphragm  
 Normally closed only

**Line Media**

Non-aggressive liquids and gases, ie air, oil, water

**Operating Pressure**  
 See table

**Operating Temperature**  
 Ambient: -10°C to +55°C  
 Fluid: -10°C to +140°C

**Threads**  
 BSPP GAS Parallel ISO 228/1

**Materials**  
 Body: Brass  
 Other Parts: Stainless steel  
 Seals: Viton

**Mounting**  
 Normally in fixed pipework. 3/8 and 1/2 only can be drilled for mounting. Brackets available for larger sizes on request

**Standard Voltages**  
 12VDC 24VDC  
 24VAC 110VAC 230VAC (50Hz)

**Protection Rating**  
 IP65 with connector  
 - see pages 134-137

**Power Consumption**  
 DC: 8W  
 AC: Working 14 VA In rush 25 VA  
 DC:12W  
 AC: Working 35 VA In rush 25 VA  
 DC:14W  
 AC: Working 43 VA In rush 27 VA

**Options**  
 Different voltages

**Special Requests**  
 For assistance, contact our technical office or your local Camozzi distributor.

- ✓ Ex Stock
- ✎ UK Assembly
- 📞 Please Call Sales Office

2/2 Servo - Assisted Solenoid Valves												
		Orifice		Dimensions					Coil		Pressure Range (bar)	
		Size	mm	A	B	C	D	E	watts	AC	DC	
<b>21H11KOV120</b>	✓	3/8	12	40	99	50	30	42	8	0 - 16	0 - 1.5	
	✓	3/8	12	40	99	50	30	42	12	0 - 20	0 - 6	
	✓	3/8	12	40	99	50	52	55	14	0 - 20	0 - 15	
<b>21H12KOV120</b>	✓	1/2	12	40	99	50	30	42	8	0 - 16	0 - 1.5	
	✓	1/2	12	40	99	50	30	42	12	0 - 20	0 - 6	
	✓	1/2	12	40	99	50	52	55	14	0 - 20	0 - 15	
<b>21HF5KOV200</b>	✓	3/4	20	65	103	104	52	55	8	0 - 16	0 - 6	
	✓	3/4	20	65	103	104	52	55	12	0 - 16	0 - 16	
<b>21HF6KOV250</b>	✓	1	25	65	110	104	52	55	8	0 - 16	0 - 5	
	✓	1	25	65	110	104	52	55	12	0 - 16	0 - 16	
<b>21HF8KOV400</b>	✓	1 1/2	40	94	130	128	52	55	14	0 - 16	0 - 6	
	✓	1 1/2	40	94	130	128	52	55	12	0 - 16	-	

Please specify coil voltage required when ordering. Price excludes coil - please order separately (see below).

		8 Watt Coils	12 Watt Coils	14 Watt Coils
<b>Voltage</b>				
12V DC	✓	<b>BDA08012CS</b>	<b>UDA12012CS</b>	<b>GDH14012CS</b>
24V DC	✓	<b>BDA08024CS</b>	<b>UDA12024CS</b>	<b>GDH14024CS</b>
24V AC	✓	<b>BDA08024DS</b>	<b>UDA12024AS</b>	<b>GDH14024AS</b>
110V AC	✓	<b>BDA08110DS</b>	<b>UDA12110DS</b>	<b>GDH14110AS</b>
230V AC	✓	<b>BDA08223DS</b>	<b>UDA12230AS</b>	<b>GDH14223DS</b>



For Standard Connectors  
 See pages 134-135

PROCESS VALVES AND ACTUATION



# Automatic Drain Valve

PROCESS VALVES AND ACTUATION

Simple to install

Long life

Minimum maintenance

Manual test facility

Solid state timer

Variable discharge times

LED indicators showing operational status

Timer can be wired with an AC or DC supply

CE tested

**Technical Data**

**Type of Construction**

Servo - Assisted  
Normally closed only

**Line Media**

Non-aggressive liquids and gases, ie air, oil, water

**Operating Pressure**

0.1 - 16 bar

**Operating Temperature**

-10°C to +90°C

**Threads**

BSPP GAS Parallel ISO 228/1

**Materials**

Body: Brass  
Other Parts: Stainless steel  
Seals: Viton

**Mounting**

Contact sales office for details.

**Standard Voltages**

24VDC 24VAC  
110VAC 230VAC  
(50Hz)

**Connection Size**

3/8

Times (variable)

Discharge: 0.5 - 10 secs.

Interval: 0.5 - 45 mins

**Protection Rating**

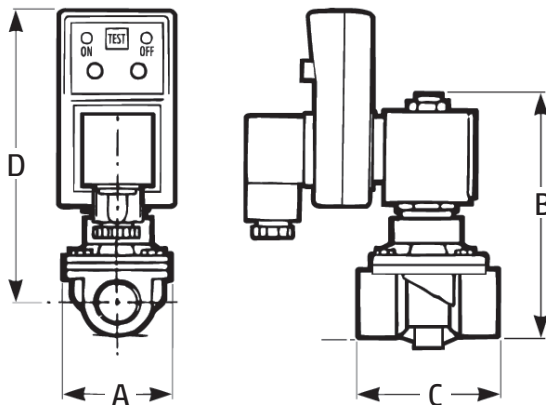
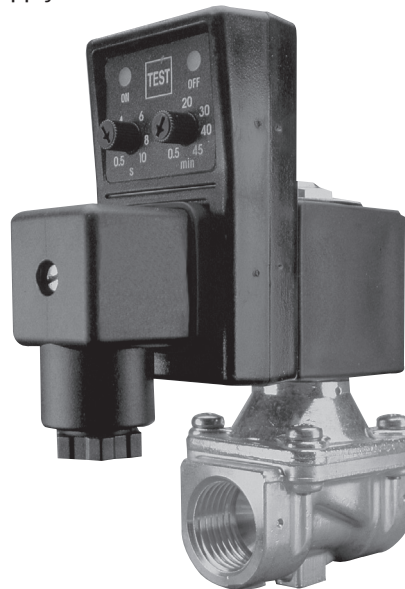
IP65 with connector  
- see pages 134-137

**Options**

Different voltages  
Different connection sizes

**Special Requests**

For assistance, contact our technical office or your local Camozzi distributor.



- ✓ Ex Stock
- 🔧 UK Assembly
- ☎ Please Call Sales Office

Dimensions			
A	B	C	D
40	75	40	120

Automatic Drain Valve		
D50	✓	3/8 (plus voltage)

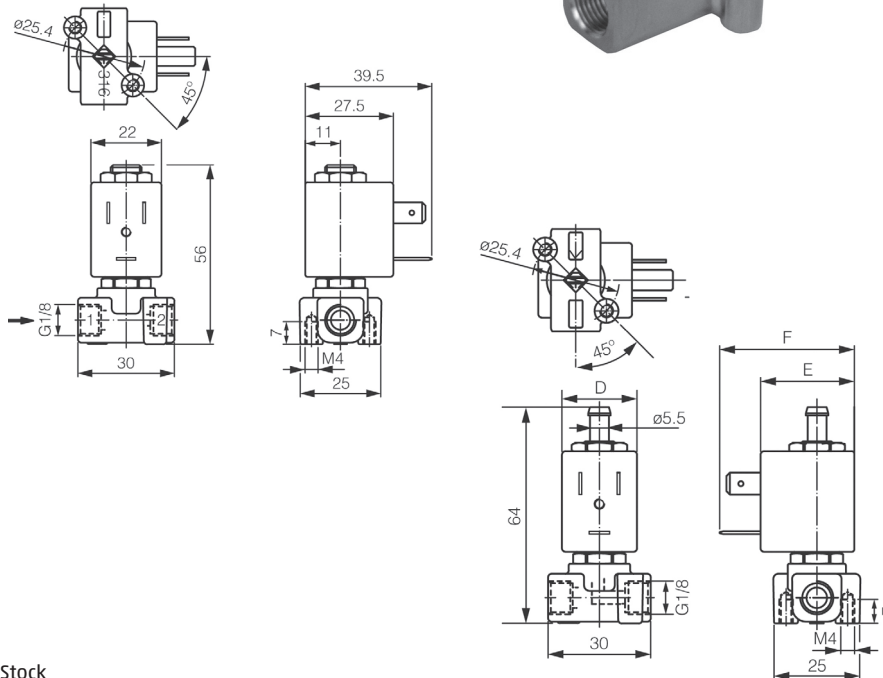
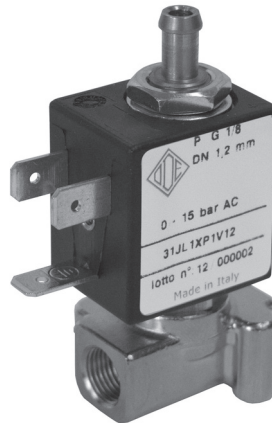


# Solenoid Valves - Direct Acting Normally Closed Stainless Steel

Connections: 1/8

Operation: 2 way normally closed

3 way normally closed



**Technical Data**

**Type of Construction**  
Direct Acting, normally closed

**Line Media**  
Air, oil, water, gas

**Operating Pressure**  
See table

**Operating Temperature**  
Ambient: -10°C to +60°C  
Fluid: -10°C to +140°C

**Threads**  
BSPP GAS Parallel ISO 228/1

**Materials**  
Body: 316 Stainless Steel  
Plunger: 306 Stainless steel  
Seals: Viton

**Mounting**  
M4

**Standard Voltages**  
12v DC 24v DC  
24v AC 110v AC 230v AC

**Protection Rating**  
IP65 with connector  
- see pages 134-137

**Power Consumption**  
See table

**Special Requests**  
For assistance, contact our technical office or your local Camozzi distributor.

- ✓ Ex Stock
- 🇬🇧 UK Assembly
- ☎ Please Call Sales Office

		Orifice			Pressure Range (bar)			
		Size	mm	Watt	Min	AC	DC	Kv
21JL1R1V12	⊘	1/8	1.2	5	0	25	12	0.06
21JL1R1V23	⊘	1/8	2.3	5	0	18	8	0.126
31DJL1XP1V12	⊘	1/8	2.3	5	0	15	-	0.045

Coil Type	Power Absorption			Dimensions mm		
	W	Hold VA~	Inrush VA~	D	E	F
L	5	10	15	22	27.5	39.5



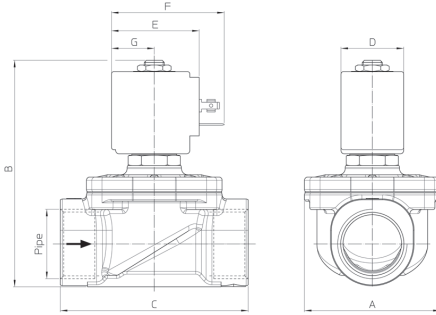
**For Standard Connectors**  
See pages 134 and 135



# Solenoid Valves - Coupled Diaphragm Normally Closed Stainless Steel

Connections: 3/8 - 1 1/2 with 8 watt, 12 watt and 14 watt coils  
Operation: 2 way normally closed

PROCESS VALVES AND ACTUATION



**Technical Data**  
**Type of Construction**  
Direct coupled, normally closed

**Line Media**  
Air, oil, water, gas

**Operating Pressure**  
See table

**Operating Temperature**  
Ambient: -10°C to +80°C  
Fluid: -10°C to +140°C

**Threads**  
BSPG GAS Parallel ISO 228/1

**Materials**  
Body: 316 Stainless Steel  
Plunger: 306 Stainless steel  
Seals: Viton

**Mounting**  
Normally in fixed pipework

**Standard Voltages**  
12v DC 24v DC  
24v AC 110v AC 230v AC

**Protection Rating**  
IP65 with connector  
- see pages 134-137

**Power Consumption**  
See table

**Special Requests**  
For assistance, contact our technical office or your local Camozzi distributor.

- ✓ Ex Stock
- 🔧 UK Assembly
- 📞 Please Call Sales Office

		Orifice		Pressure Range (bar)				Kv	Coil Type
		Size	mm	Watt	Min	AC	DC		
21IH3K1V150	✓	3/8	15	8	0	14	6	2.4	B
21IH3K1V150	✓	3/8	15	12	0	-	14	2.4	U
21IH4K1V160	✓	1/2	16	8	0	14	6	3	B
21IH4K1V160	✓	1/2	16	12	0	-	14	3	U
21IH5K1V200	✓	3/4	20	8	0	14	6	3.6	B
21IH5K1V200	✓	3/4	20	12	0	-	14	3.6	U
21IH6K1V250	✓	1	25	8	0	14	3	8.4	B
21IH6K1V250	✓	1	25	12	0	-	8	8.4	U
21IH6K1V250	✓	1	25	14	0	-	14	8.4	G
21IH7K1V350	✓	1 1/4	35	14	0	14	7	18	G
21IH8K1V400	✓	1 1/2	40	14	0	14	7	21	G

Coil Type	Dimensions mm				
	W	D	E	F	G
B	8	30	42	54	20.5
U	12	36	48	60	23.5
G	14	52	55	67	25

Type	Dimensions mm			
	A	B	C	
21IH3K1V510	✓	52	92	68
21IH4K1V160	✓	52	92	68
21IH5K1V200	✓	58	100	75
21IH6K1V250	✓	65	109	90
21IH7K1V350	✓	94	126	128
21IH8K1V400	✓	94	126	128

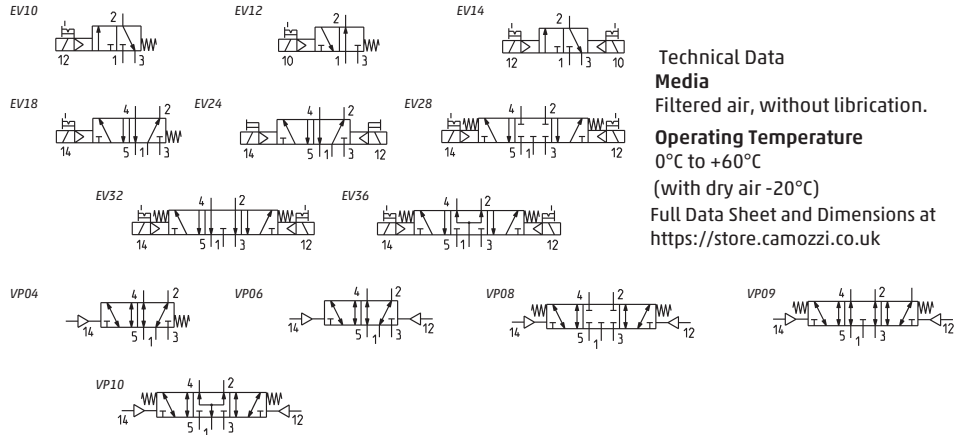


**For Moulded Connectors**  
See pages 136 and 137

# Series NA NAMUR Valves and Solenoid Valves

Connection: 1/4

Electropneumatically operated 3/2, 5/2, 5/3 way with interface according to NAMUR standard



**Technical Data**  
**Media**  
 Filtered air, without lubrication.  
**Operating Temperature**  
 0°C to +60°C  
 (with dry air -20°C)  
 Full Data Sheet and Dimensions at  
<https://store.camozzi.co.uk>

- ✓ Ex Stock
- 🔧 UK Assembly
- ☎ Please Call Sales Office

Coils	Connector	Silencer	Straight Connection	Elbow Fitting
-------	-----------	----------	---------------------	---------------



Part Number	Availability	Function	Symbol	Flow Rate (Nl/min)	Operating Pressures (Bar)	Minimum Pilot Pressures (Bar)
NA34N-15-02-*	✓	3/2	EV10	1000	2-10	-
NA44N-15-02-*	✓	3/2 NO	EV12	1000	2-10	-
NA54N-15-02-*	✓	5/2	EV18	1000	2-10	-
NA34N-11-02-*	✓	3/2 NC	EV24	1000	1-10	-
NA54N-11-02-*	✓	5/2	EV24	1000	1-10	-
NA64N-11-02-*	✓	5/3 CC	EV28	1000	1.5-10	-
NA74N-11-02-*	✓	5/3 CO	EV32	1000	1.5-10	-
NA84N-11-02-*	✓	5/3 CP	EV36	1000	1.5-10	-
NA54N-33	✓	5/2	VP06	1000	-0.9-10	2.5
NA54N-35	✓	5/2	VP04	1000	-0.9-10	2.5
NA64N-33	✓	5/3 CC	VP08	1000	-0.9-10	2.5
NA74N-33	✓	5/3 CO	VP09	1000	-0.9-10	2.5
NA84N-33	✓	5/3 CP	VP10	1000	-0.9-10	2.5

Coils	Connector	Silencer	Straight Connection	Elbow Fitting
U7*	KB132000B9	2901 1/4-17	S6510 6-1/4	S6520 6-1/4
U7*	KB132000B9	2901 1/4-17	S6510 6-1/4	S6520 6-1/4
U7*	KB132000B9	2901 1/4-17	S6510 6-1/4	S6520 6-1/4
U7*x2	KB132000B9x2	2901 1/4-17	S6510 6-1/4	S6520 6-1/4
U7*x2	KB132000B9x2	2901 1/4-17	S6510 6-1/4	S6520 6-1/4
U7*x2	KB132000B9x2	2901 1/4-17	S6510 6-1/4	S6520 6-1/4
U7*x2	KB132000B9x2	2901 1/4-17	S6510 6-1/4	S6520 6-1/4
U7*x2	KB132000B9x2	2901 1/4-17	S6510 6-1/4	S6520 6-1/4
-	-	2901 1/4-17	S6510 6-1/4	S6520 6-1/4
-	-	2901 1/4-17	S6510 6-1/4	S6520 6-1/4
-	-	2901 1/4-17	S6510 6-1/4	S6520 6-1/4
-	-	2901 1/4-17	S6510 6-1/4	S6520 6-1/4
-	-	2901 1/4-17	S6510 6-1/4	S6520 6-1/4

\*Coil sold separately, see page 133 for voltage options (U7 Solenoid Coils)

For more connector options, including LED versions please see page 134-137

## CODING EXAMPLE

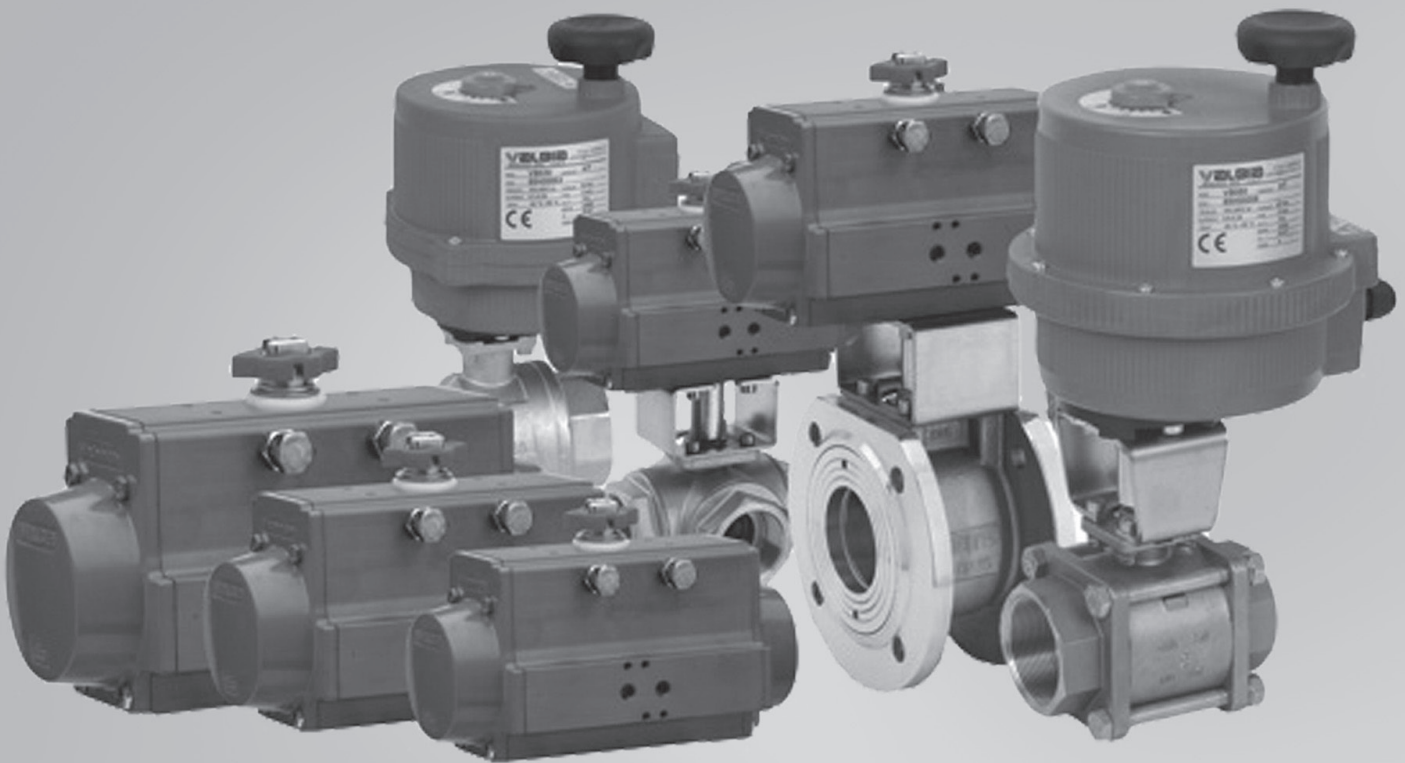
NA	5	4N	15	02	U	7	7
<b>NA</b> SERIES: NAMUR				<b>U</b> SOLENOID MATERIAL U = PET H = Self-extinguishing nylon Explosion-proof (30 x 30)* G = PA * on request			
<b>5</b> N° N° WAY/POSITIONS 3 = 3/2 4 = 3/2 N.A. 5 = 5/2 6 = 5/3 C.C. 7 = 5/3 C.O. 8 = 5/3 pressure centres PC	<b>15</b> ACTUATION 11 = double solenoid 15 = single solenoid spring return 33 = pneumatic / pneumatic 35 = pneumatic / spring			<b>7</b> SOLENOID DIMENSIONS 7 = 22 x 22 8 = 30 x 30 9 = 22 x 22 with memory			
<b>4N</b> CONNECTIONS 4 = 1/4 supply NAMUR Standards	<b>02</b> SOLENOID INTERFACE 02 = mech. sol. 22 x 22			<b>7</b> SOLENOID VOLTAGE: See page 133			



Main

Section

**CAMOZZI AUTOMATION**  
**ACTUATED VALVE ASSEMBLIES**



**SAME DAY DESPATCH**  
**TRY THE SERVICE TODAY!**

**Pneumatic and Electric Actuators**  
**Single and Double Acting**  
**Comprehensive Range of Valves**  
**(Ex-Stock)**  
**Fully Assembled and Tested**

# Hydraulic Couplings

## 1 Flat Face Couplings - ISO 16028

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## 2 Quick Release Couplings - ISO A Norm

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## 3 Quick Release Couplings - ISO B Norm

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## 4 Screw Couplings

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## 5 Agricultural Coupling Trailer Brake

	Page
 PFT1/PFT3 - Agricultural Coupling Trailer Brake Standard Range	337

# Hydraulic Flat Face Couplings - Technical Data - ISO 16028

PLT Range - ISO 16028

PLT1 Standard Range (250/350 Bar) Body size ISO 6.3 - 50

CAM FF (250-320 Bar) Body size ISO 6.3 - 19

PLT4 Premier Range (350/500 Bar) Body size ISO 5 - 25

PLT6 Ultra High Pressure Range (700 Bar)

Body size ISO 6.3 - 10

PLTX Standard Range in Stainless Steel (100/400 Bar)

Body size 6.3 - 50

The PLK4 range of probes has been designed to offer connection to PLT couplings under residual pressure. A full range of connections are available in BSP, Metric, NPT and UNF thread forms with tube connections from 6 to 30mm tube diameters to DIN 2353. Options include light and heavy thread forms in both short and long (Bulkhead) connections.

## Applications

Flat faced couplings are particularly suitable for agriculture, construction and mobile equipment, mining and general industrial use.

## Features

Heavy duty construction

High working pressures and flow rates low pressure drops  
Designed for minimal spillage during connection and disconnection

Locking sleeve provided with safety system preventing accidental disconnection

Easy to keep clean.

## General Technical Information

Body and Probe - All steel construction, stressed components nitrided or induction hardened

Finish - Zinc Plated in accordance with EEC directive 2000/53/CE (Chrome 6 free)

Seals - NBR standard EPDM, Viton and Neoprene on request. (PLTX Viton as standard)

Backing Ring - Teflon

Springs - C98 steel or stainless steel

Contact the sales office for special enquires and further technical information



Main

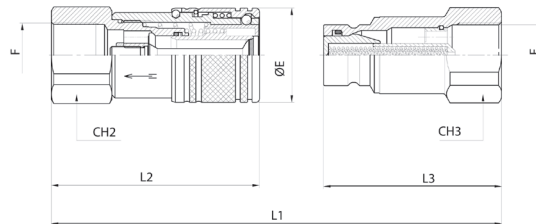


Section



# PLT1 Standard Range - Hydraulic Flat Face Couplings

ISO 16028

**Technical Data****Characteristics**

Easy connection and disconnection by pushing the two halves together with one hand only. The locking sleeve is provided with safety-system which makes sure a perfect connection and prevents accidental disconnection. Dimension 13 (DN13) conforms to HTMA specifications. All dimensions conform to ISO 16028 standard.

**Threads**

BSP

NPT on request

**Materials**

See page 323

**Operating Temperature**

NBR standard seals -25°C to +125°C

**Special Requests**

For assistance, contact our technical office or your local Camozzi distributor.

Other seals available on request.

- ✓ Ex Stock
- ✎ UK Assembly
- ☎ Please Call Sales Office

Nominal Size		Max Working Pressure	Rated Flow	Max Flow Rate	Min. Burst Pressure			Fluid Spillage (CC)
ISO	mm				Male (bar)	Female (bar)	Coupled (bar)	
6.3	6	300	12	24	1800	1200	1400	0.008
10	8.6	250	23	46	1600	1000	1600	0.010
12.5	10.7	250	45	90	1500	1100	1900	0.012
19	14.8	250	100	200	1400	1100	1400	0.020
25	17.6	250	189	280	1300	1000	1400	0.030
31.5	26	200	260	520	800	1100	800	0.040
38	30	200	379	700	1200	1100	1100	0.050
51	40.6	150	757	1000	700	650	650	0.100

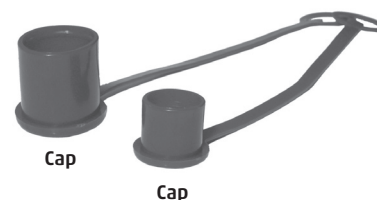
F	ISO	CH2	CH3	ØE	L1	L2	L3	Standard	Carrier Half Part Number		Probe Half Part Number	
1/4	6.3	22	22	28	100	58.5	52	DIN 3852-2-X	PLT1.0606.002	✓	PLT1.0606.003	✓
3/8	10	27	27	32	115.1	67.3	63.5	DIN 3852-2-X	PLT1.1310.002	✓	PLT1.1310.003	✓
1/2	10	27	27	32	124.1	72.3	67.5	DIN 3852-2-X	PLT1.1313.002	✓	PLT1.1313.003	✓
3/4	12.5	36	38	38	141.2	84	74.5	DIN 3852-2-X	PLT1.2019.002	✓	PLT1.2019.003	✓
3/4	19	46	41	48	157.5	93.6	86	DIN 3852-2-X	PLT1.2519.002	✓	PLT1.2519.003	✓
1	19	46	41	48	157.5	93.6	86	DIN 3852-2-X	PLT1.2525.002	✓	PLT1.2525.003	✓
1 1/4	25	50	50	55	177	109.3	90	DIN 3852-2-X	PLT1.3031.002	✓	PLT1.3031.003	✓
1 1/2	38	70	70	79	210	118.3	119.5	DIN 3852-2-X	PLT1.3939.002	✓	PLT1.3939.003	✓
2	51	90	90	103	283	147.4	173	DIN 3852-2-X	PLT1.5051.112	✓	PLK4.5051.003	✓

## Dust Caps for Flat Face Couplings

- ✓ Ex Stock
- ✎ UK Assembly
- ☎ Please Call Sales Office

**Dust Caps - for Flat Face Couplings**

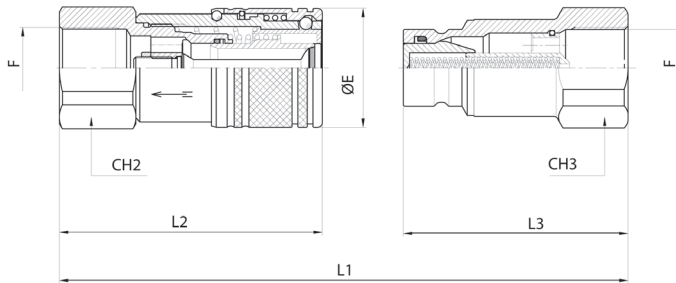
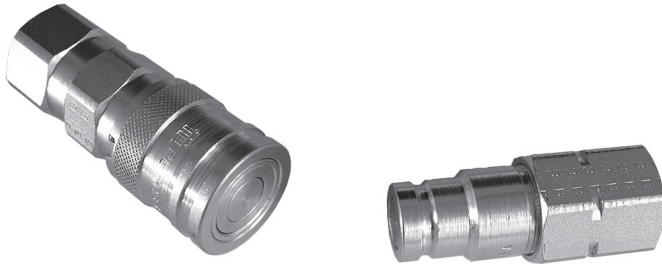
DIN	Thread	for Carrier		for Probe	
06	1/4	SPLT.06002	✓	SPLT.06003	✓
13	3/8	SPLT.13002	✓	SPLT.13003	✓
13	1/2	SPLT.13002	✓	SPLT.13003	✓
20	3/4	SPLT.20002	✓	SPLT.20003	✓
25	1	SPLT.25002	✓	SPLT.25003	✓
30	1 1/4	SPLT.30002	✓	SPLT.30003	✓



# CAM FF (F/M) Range - Flat Face Couplings

ISO 16028

HYDRAULIC COUPLINGS



**Technical Data**

**Characteristics**

Flat mating surfaces easily wiped clean to prevent contamination and spillage during connection/disconnection. Connection is made by pushing the male coupling and disconnection by pulling back the sleeve of the female. Positive, quick connection of the male into the female by the latching ball system. Shut-off by flat valve.

**Threads**

BSP

**Materials**

See page 323

**Operating Temperature**

-30°C up to +110°C

**Special Requests**

For assistance, contact our technical office or your local Camozzi distributor.



See 324 for Dust Caps



Main



Section

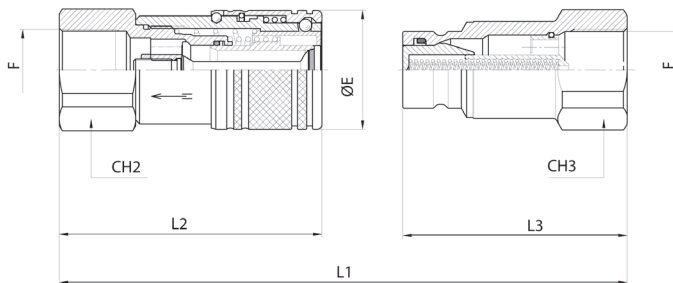
- ✓ Ex Stock
- ✂ UK Assembly
- ⓞ Please Call Sales Office

Nominal Size		Max Working Pressure (bar)	Rated Flow (l/min)	Min. Burst Pressure			Fluid Spillage (CC)
ISO	mm			Male (bar)	Female (bar)	Coupled (bar)	
6.3	04	350	15	1600	1400	1500	0.005
10	06	350	53	1400	1250	1450	0.007
12.5	08	350	98	1350	1150	1450	0.008
16	10	350	109	1500	1000	1400	0.008
19	12	350	174	1100	1020	1450	0.009

F	ISO	CH2	CH3	ØE	L1	L2	L3	Carrier Half Part Number	Probe Half Part Number
1/4"	6.3	24	22	28	104.6	63.6	52.1	CAM FFF 0404	CAM FFM 0404
3/8"	10	27	27	32	121.5	74.9	62.5	CAM FFF 0606	CAM FFM 0606
1/2"	10	27	27	32	127.5	77.9	65.5	CAM FFF 0608	CAM FFM 0608
3/4"	12.5	34	34	38	144.1	86.7	74.5	CAM FFF 0812	CAM FFM 0812
1"	20	41	41	48	178.7	108.9	91.5	CAM FFF 1216	CAM FFM 1216

# PLTX Stainless Steel Range - Hydraulic Flat Face Couplings

ISO 16028

**Technical Data****Characteristics**

Easy connection and disconnection by pushing the two halves together with one hand only. The locking sleeve is provided with safety-system which makes sure a perfect connection and prevents accidental disconnection. Dimension 13 (DN13) conforms to HTMA specifications. All dimensions conform to ISO 16028 standard.

**Threads**

BSP

NPT on request

**Materials**

See page 323

**Operating Temperature**

with Viton seals -25°C to +200°C

**Special Requests**

For assistance, contact our technical office or your local Camozzi distributor.



See 324 for Dust Caps

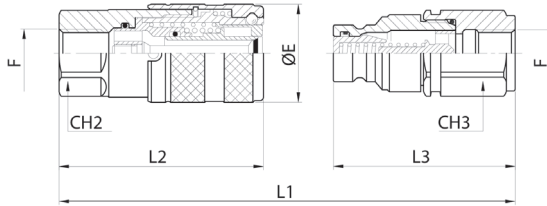
- ✓ Ex Stock
- 🔧 UK Assembly
- 📞 Please Call Sales Office

Nominal Size		Max Working Pressure (bar)	Rated Flow (l/min)	Max Flow Rate (l/min)	Min. Burst Pressure			Fluid Spillage (CC)
ISO	mm				Male (bar)	Female (bar)	Coupled (bar)	
6.3	6	300	12	24	2600	1600	1300	0.008
10	8.6	250	23	46	1400	1000	1900	0.010
12.5	10.7	250	45	90	1300	1000	1600	0.012
16	12.8	250	74	150	1100	1000	1400	0.015
19	14.8	250	100	200	1100	1000	1400	0.020
25	17.6	250	189	280	1000	1000	1000	0.030
38	30	150	379	700	600	600	600	0.050
51	40.6	100	757	1000	400	400	400	0.100

F	ISO	CH2	CH3	ØE	L1	L2	L3	Standard	Carrier Half Part Number	Probe Half Part Number
1/4	6.3	22	22	28	108	58.5	60	DIN 3852-2-x	PLTX.0606.112	PLTX.0606.113
3/8	10	27	27	32	127.3	73.5	69.5	DIN 3852-2-X	PLTX.1310.112	PLTX.1310.113
1/2	10	27	27	32	126.8	73.5	69	DIN 3852-2-X	PLTX.1313.112	PLTX.1313.113
1/2	12.5	36	36	38	147.7	83.5	81.5	DIN 3852-2-X	PLTX.2013.112	PLTX.2013.113
3/4	12.5	36	36	38	149.2	83.5	83	DIN 3852-2-X	PLTX.2019.112	PLTX.2019.113
1	19	41	41	40	166.5	97.5	90.5	DIN 3852-2-X	PLTX.2525.112	PLTX.2525.113
1 1/4	25	50	50	55	181.5	109.3	95	DIN 3852-2-X	PLTX.3031.112	PLTX.3031.113
1 1/2	38	70	70	79	213	118	122.5	DIN 3852-2-X	PLTX.3939.112	PLTX.3939.113
2	51	80	80	99	251.2	149	139.6	DIN 3852-2-X	PLTX.5051.112	PLTX.5051.113

# PLT4 Premier Range - Hydraulic Flat Face Couplings

ISO 16028



## Technical Data

### Characteristics

PLT4 couplings are manufactured to the ISO 16028 standard. This guarantees:

- interchangeability with other couplings manufactured to this standard.
  - maximum operating pressure 350 bar for all sizes
  - Safety factor 1:4 coupled and uncoupled
- reliable operation of the coupling with low pressure drops guaranteed, irrespective of the flow direction, male to female or female to male

### Materials

See page 323

### Threads

Metric - G(BSP)

NPT according to DIN 3852 form Y.  
UNF thread according to SAE J1926 norm

Outside metric according to DIN 2353 L(light) or S(heavy).

Outside metric according to DIN 2353 L(light) or S(heavy) bulkhead

### Operating Temperature

NBR standard seals -25°C to +100°C



See page 324 for Dust Caps

- ✓ Ex Stock
- 🔧 UK Assembly
- 📞 Please Call Sales Office

Nominal Size		Max Working Pressure (bar)	Rated Flow (l/m)	Max Flow Rate (l/m)	Min. Burst Pressure			Fluid Spillage (CC)
ISO	mm				Male (bar)	Female (bar)	Coupled (bar)	
5	4	500	3	9	2500	2100	2500	0.006
6.3	6	400	12	24	1900	1900	1900	0.008
10	8.6	350	23	46	1500	1700	1600	0.010
12.5	10.7	350	45	90	1700	1500	1700	0.012
16	12.8	350	74	150	1600	1400	1500	0.015
19	14.8	350	100	200	1600	1400	1800	0.020
25	17.6	350	189	280	1400	1400	1500	0.030

F	ISO	CH2	CH3	ØE	L1	L2	L3	Standard	Carrier Half Part Number	Probe Half Part Number
BSP 1/8	5	17	17	25	84.1	48.6	43.5	DIN 3852-2-X	PLT4.0404.112	PLT4.0404.113
BSP 1/4	6.3	22	22	28	100	58.5	52	DIN 3852-2-X	PLT4.0606.112	PLT4.0606.113
BSP 3/8	6.3	22	22	28	100	58.5	52	DIN 3852-2-X	PLT4.0610.112	PLT4.0610.113
BSP 3/8	10	30	30	32	118.3	73.5	60.5	DIN 3852-2-X	PLT4.1310.112	PLT4.1310.113
BSP 1/2	10	30	30	32	118.3	73.5	60.5	DIN 3852-2-X	PLT4.1313.112	PLT4.1313.113
M22x1.5	10	30	30	32	122.3	74.5	63.5	SAE J 2244/1	PLT4.1322.102	PLT4.1322.103
BSP 1/2	12.5	36	36	38	138.7	83.5	72.5	DIN 3852-2-X	PLT4.2013.112	PLT4.2013.113
BSP 3/4	12.5	36	36	38	140.7	83.5	74.5	DIN 3852-2-X	PLT4.2019.112	PLT4.2019.113
3/4-16 UNF 2B	12.5	36	36	38	132.2	79.5	70	SAE J 1926-1	PLT4.2019.032	PLT4.2019.033
7/8-14 UNF 2B	12.5	36	36	38	138.2	81.5	74	SAE J 1926-1	PLT4.2023.032	PLT4.2023.033
BSP 1/2	16	38	38	42	141.2	86	72.5	DIN 3852-2-X	PLT4.2213.112	PLT4.2213.113
BSP 3/4	16	38	38	42	143.2	86	74.5	DIN 3852-2-X	PLT4.2219.112	PLT4.2219.113
3/4-16 UNF 2B	16	38	38	42	134.7	82	70	SAE J 1926-1	PLT4.2219.032	PLT4.2219.033
7/8-14 UNF 2B	16	38	38	42	140.7	84	74	SAE J 1926-1	PLT4.2223.032	PLT4.2223.033
1 1/16-12 UN 2B	16	38	38	42	142.7	86	74	SAE J 1926-1	PLT4.2227.032	PLT4.2227.033
BSP 3/4	19	41	41	48	159	94.5	86	DIN 3852-2-X	PLT4.2519.112	PLT4.2519.113
BSP 1	19	41	41	48	162	97.5	86	DIN 3852-2-X	PLT4.2525.112	PLT4.2525.113
BSP 1 1/4	25	55	55	55	176.5	109.3	50	DIN 3852-2-X	PLT4.3031.112	PLT4.3031.113



Main



Section

# Hydraulic Quick Release Couplings - Technical Data - ISO A Norm

## ISO 7241-1A

PAV1 Standard Range (160/350 Bar) Body sizes ISO 6.3 - 50  
PAO1 Valveless Range (200/350 Bar) Body sizes ISO 5 - 25

CAM IA (F/M) Range (250/350 Bar) Body sizes ISO 6.3 - 25  
PPV Push - Pull Range (225/300 Bar) Body sizes ISO 6.3 - 25

The PKK range of probes has been designed to offer connection to PPV couplings under residual pressure.

A full range of connections are available in BSP, Metric and NPT thread forms with tube connections from 6 to 35mm tube diameters to DIN 2353. Options include light and heavy thread forms in both short and long (Bulkhead) connections.

### Applications

ISO A couplings are the most common couplings in the market and used in all industrial applications. The PPV push - pull range are used extensively in agriculture.

### Features

Simple and quick connection  
Full interchange ability  
Available with poppet valve or ball closing system  
Compact and lightweight design  
Valveless couplings available in zinc or chrome plated

### General Technical Information

Body and Probe - All steel construction, stressed components nitrided or induction hardened  
Finish - Zinc Plated in accordance with EEC directive 2000/53/CE (Chrome 6 free)  
Seals - NBR standard EPDM, Viton and Neoprene on request. (SCBX Viton as standard)  
Backing Ring - Telfon  
Springs - C98 steel or stainless steel  
Contact the sales office for special enquires and further technical information

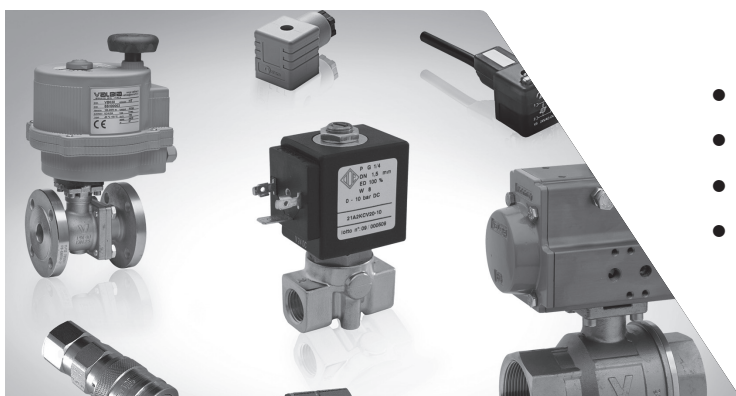


Main



Section

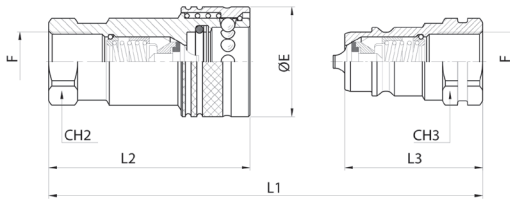
## More Than Just Pneumatics



- Process Valves and Actuators
- Hydraulic Components
- Solenoid DIN Connectors
- Industrial Solenoid Valves

# PAV1 Standard Range - Hydraulic Quick Release Couplings

ISO A Norm



**Technical Data**

**Material**

See page 328

**Threads**

BSP and NPT

**Operating Temperature**

with NBR standard seals -25°C to +125°C

**Special Requests**

For assistance, contact our technical office or your local Camozzi distributor.

Other seal available on request.

HYDRAULIC COUPLINGS



Main



Section

- ✓ Ex Stock
- ✂ UK Assembly
- ☎ Please Call Sales Office

Nominal Size		Max Working Pressure (bar)	Rated Flow (l/min)	Max Flow Rate (l/min)	Min. Burst Pressure			Fluid Spillage (CC)
ISO	mm				Male (bar)	Female (bar)	Coupled (bar)	
6.3	5	350	12	17	1500	1700	1400	0.5
10	8.5	350	23	46	1400	1500	1500	1.9
12.5	10.5	250	45	90	1000	1400	1200	2.7
20	15.8	250	106	190	900	1500	1000	9.3
25	17.3	250	189	280	1300	1300	1200	16
31.5	22.8	200	288	480	1100	850	1000	30
40	29.9	190	379	757	800	800	820	54
50	37.7	160	757	1000	650	960	1000	120

F	ISO	CH2	CH3	ØE	L1	L2	L3	Standard	Carrier Half Part Number		Probe Half Part Number	
BSP 1/4	6.3	19	19	25	70.5	49.2	35	DIN 3852-2-X	PAV1.0606.002	✓	PAV1.0606.003	✓
NPT 1/4	6.3	19	19	25	70.5	49.2	35	ANSI B1.20.3	PAV1.0606.012	✓	PAV1.0606.013	✓
BSP 3/8	10	22	22	30	85	60.5	42.5	DIN 3852-2-X	PAV1.1010.002	✓	PAV1.1010.003	✓
NPT 3/8	10	22	22	30	85	60.5	42.5	ANSI B1.20.3	PAV1.1010.012	☉	PAV1.1010.013	☉
BSP 1/2	12.5	27	27	35	98.5	70	48	DIN 3852-2-X	PAV1.1313.002	✓	PAV1.1313.003	✓
NPT 1/2	12.5	27	27	35	98.5	70	48	ANSI B1.20.3	PAV1.1313.012	☉	PAV1.1313.013	☉
BSP 3/4	20	34	34	45	114.5	84.3	57	DIN 3852-2-X	PAV1.2019.002	✓	PAV1.2019.003	✓
NPT 3/4	20	34	34	45	114.5	84.3	57	ANSI B1.20.3	PAV1.2019.012	☉	PAV1.2019.013	☉
BSP 1	25	41	41	52	135.5	101	67.5	DIN 3852-2-X	PAV1.2525.002	✓	PAV1.2525.003	✓
NPT 1	25	41	41	52	135.5	101	67.5	ANSI B1.20.3	PAV1.2525.012	☉	PAV1.2525.013	☉
BSP 1 1/4	31.5	50	50	70	150.6	117	75	DIN 3852-2-X	PAV1.3031.002	✓	PAV1.3031.003	✓
NPT 1 1/4	31.5	50	50	70	150.6	117	75	ANSI B1.20.3	PAV1.3031.012	☉	PAV1.3031.013	☉
BSP 1 1/2	40	60	60	82	167.3	133	63.5	DIN 3852-2-X	PAV1.3939.002	✓	PAV1.3939.003	✓
NPT 1 1/2	40	60	60	82	167.3	133	63.5	ANSI B1.20.3	PAV1.3939.012	☉	PAV1.3939.013	☉
BSP 2	50	75	75	99	217	169	108	DIN 3852-2-X	PAV1.5051.002	✓	PAV1.5051.003	✓
NPT 2	50	75	75	99	217	169	108	ANSI B1.20.3	PAV1.5051.012	☉	PAV1.5051.013	☉

# Dust Caps and Plugs for ISO A

- ✓ Ex Stock
- ✎ UK Assembly
- ☎ Please Call Sales Office

Dust Caps - for ISO 'A' Series					
DN	Carrier Half		Probe Half		
06	SPAV.06002	✓	SPAV.06003	✓	
10	SPAV.10002	✓	SPAV.10003	✓	
13	SPAV.13002	✓	SPAV.13003	✓	
20	SPAV.20002	✓	SPAV.20003	✓	
25	SPAV.25002	✓	SPAV.25003	✓	
30	SPAV.30202	✓	SPAV.30203	✓	
39	SPAV.39202	✓	SPAV.39203	✓	
50	SPAV.50202	✓	SPAV.50203	✓	

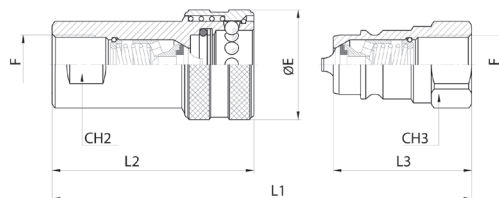


Cap

Plug

# CAM IA (F/M) Range - Hydraulic Quick Release Couplings

## ISO A Norm



**Technical Data**

**Threads**

BSP

**Materials**

See page 328

**Operating Temperature**

-30°C up to +110°C

**Special Requests**

For assistance, contact our technical office or your local Camozzi distributor.



See above Dust Caps



- ✓ Ex Stock
- ✎ UK Assembly
- ☎ Please Call Sales Office

Nominal Size		Max Working Pressure (bar)	Rated Flow (l/min)	Min. Burst Pressure			Fluid Spillage (CC)
ISO	mm			Male (bar)	Female (bar)	Coupled (bar)	
6.3	04	350	5	2000	1500	1500	0.7
10	06	350	35	1400	1500	1500	1.4
12.5	08	300	75	1250	1500	1500	1.8
20	12	250	147	1000	1200	1000	7
25	16	250	250	1000	1000	1000	11

F	ISO	CH2	CH3	ØE	L1	L2	L3	Carrier Half Part Number		Probe Half Part Number	
1/4"	6.3	17	17	24	69.1	48.8	34.5	CAM IAF 0404	✓	CAM IAM 0404	✓
3/8"	10	22	22	30	80.3	57.8	40	CAM IAF 0606	✓	CAM IAM 0606	✓
1/2"	12.5	27	27	38	90.2	67	45	CAM IAF 0808	✓	CAM IAM 0808	✓
3/4"	20	34	34	45	113.3	83.5	56.5	CAM IAF 1212	✓	CAM IAM 1212	✓
1"	25	41	41	52	129.7	97.9	64.5	CAM IAF 1616	✓	CAM IAM 1616	✓

# PAVX Standard Range - Hydraulic Quick Release Couplings

ISO A Norm

HYDRAULIC COUPLINGS



**Technical Data**

**Material**

Stainless Steel - AISI 316.  
Springs - AISI 302  
Seals - standard (Viton™)  
Back-up Ring: In pure Teflon

**Operating Temperature**

With Viton standard seals -25 to +200°C

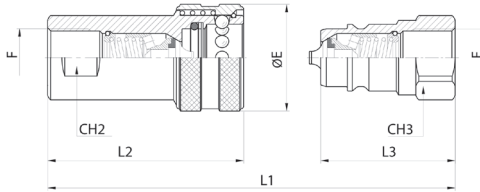
With NBR seals -25 to +125°C

**Special Requests**

For assistance, contact our technical office or your local Camozzi distributor.



See page 330 for Dust Caps



Main



Section

- ✓ Ex Stock
- 🔧 UK Assembly
- 📞 Please Call Sales Office

Nominal Size		Max Working Pressure (bar)	Rated Flow (l/min)	Max Flow Rate (l/min)	Min. Burst Pressure			Fluid Spillage (CC)
ISO	mm				Male (bar)	Female (bar)	Coupled (bar)	
6.3	5	450	12	17	3200	2900	2900	0.5
10	8.5	300	23	46	12500	12500	1300	1.9
12.5	10.5	300	45	90	1200	1200	13500	2.7
20	15.8	250	106	190	800	1000	1100	9.3
25	17.3	200	189	280	600	650	850	19
31.5	22.8	100	288	480	400	400	400	30
40	29.9	80	379	700	320	320	320	54
50	37.7	60	757	1000	250	250	250	120

F	ISO	CH2	CH3	ØE	L1	L2	L3	Standard	Carrier Half Part Number	Probe Half Part Number
BSP 1/4	6.3	19	19	26	71.5	50.5	35.5	DIN 3852-2-X	PAVX.0606.002	PAVX.0606.003
BSP 3/8	10	22	22	30	82	58.5	40.5	DIN 3852-2-X	PAVX.1010.002	PAVX.1010.003
BSP 1/2	12.5	27	27	37.9	92	68	46	DIN 3852-2-X	PAVX.1313.002	PAVX.1313.003
M22x1.5	12.5	27	27	37.9	92	68	46	SAE J 2244/1	PAVX.1322.102	PAVX.1322.103
BSP 3/4	20	34	34	45	120.5	84.3	57	DIN 3852-2-X	PAVX.2019.002	PAVX.2019.003
BSP 1	25	41	41	52	127	97	63.5	DIN 3852-2-X	PAVX.2525.002	PAVX.2525.003
BSP 1 1/4	31.5	50	50	70	150	115	69	DIN 3852-2-X	PAVX.3031.002	PAVX.3031.003
BSP 1 1/2	40	60	60	80.5	146	123	73	DIN 3852-2-X	PAVX.3939.002	PAVX.3939.003
BSP 2	50	70	70	102	180	147	90	DIN 3852-2-X	PAVX.5051.002	PAVX.5051.003



# PPV Standard Range - Hydraulic Push-Pull Quick Release Couplings

**Application:** Quick release couplings of the "Push-Pull" series are designed for use in all agricultural applications. The main characteristic of this coupling is to allow an automatic release in case of accidental pulls. This system avoids possible damage to the hydraulic circuit.

ISO A Norm



**Technical Data**

**Material**

See page 328

**Operating Temperature**

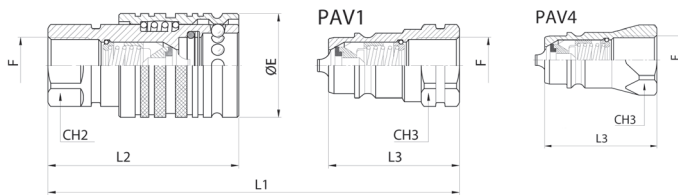
NBR standard seals -25°C to +125°C

**Special Requests**

For assistance, contact our technical office or your local Camozzi distributor.



See page 330 for Dust Caps



- ✓ Ex Stock
- 🔧 UK Assembly
- 📞 Please Call Sales Office

Nominal Size		Max Working Pressure (bar)	Rated Flow (l/min)	Max Flow Rate (l/min)	Min. Burst Pressure			Fluid Spillage (CC)
ISO	mm				Male (bar)	Female (bar)	Coupled (bar)	
12.5	10.5	250	45	90	1000	1600	1200	2.7

F	ISO	CH2	CH3	ØE	L1	L2	L3	Standard	Carrier Half Part Number		Probe Half Part Number	
BSP 1/2	12.5	27	27	38	96.3	70	48	DIN 3852-2-X	PPV1.1313.002	✓	PAV1.1313.003	✓
											PAV4.1313.003	✓
NPT 1/2	12.5	27	27	38	96.3	70	48	ANSI B1.20.3	PPV1.1313.012	📞	PAV1.1313.013	📞
M22x1.5	12.5	27	27	38	92.8	66.5	48	SAE J 2244/1	PPV1.1322.102	✓	PAV1.1322.103	✓
3/4-16 UNF 2B	12.5	27	27	38	96.3	70	48	SAE J 1926-1	PPV1.1319.032	✓	PAV4.1319.033	✓

HYDRAULIC COUPLINGS



# Hydraulic Quick Release Couplings - Technical Data

ISO 7241-1B

PBV1 Carbon Steel Range (500/50 Bar) Body sizes ISO 04 - 50

ISO B Norm

PBVM Brass Range (300/50 Bar) Body sizes ISO 04 - 50

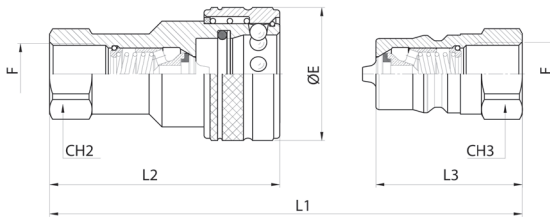
PBVX Stainless Steel Range (400/50 Bar) Body sizes ISO 04 - 50

These couplings are stocked in 1/8 - 2 BSP (NPT and UNF threads available on request).

**Applications:** The robust nature of these couplings make the suitable for the iron, steel, oil and automobile industry. They offer excellent flow characteristics.

## PBV1 Steel - Quick Release Couplings

ISO B Norm



### Technical Data

#### Threads

BSP

NPT available on request

#### Material

Main parts in carbon steel. Springs in AISI 302 and balls in AISI 316

Seals: Standards are in Nitrile. Other seals provided on request

Back-up Ring: In pure Teflon

#### Operating Temperature

NBR standard seals -25°C to +200°C

#### Special Requests

For assistance, contact our technical office or your local Camozzi distributor.

✓ Ex Stock

🔧 UK Assembly

📞 Please Call Sales Office

Nominal Size		Max Working Pressure (bar)	Rated Flow (l/min)	Max Flow Rate (l/min)	Min. Burst Pressure			Fluid Spillage (CC)
ISO	mm				Male (bar)	Female (bar)	Coupled (bar)	
5	4.2	500	3	9	2400	2300	2700	0.5
6.3	6.5	250	12	24	1100	1800	1000	1
10	8.5	250	23	46	1400	1400	1300	2.4
12.5	10.5	250	45	90	1100	1400	1100	3.9
20	15.8	250	106	220	1000	1300	1200	11
25	17.3	250	189	260	1000	1100	1000	19
40	36	200	379	757	800	800	800	95
50	50	100	757	1000	400	400	400	170

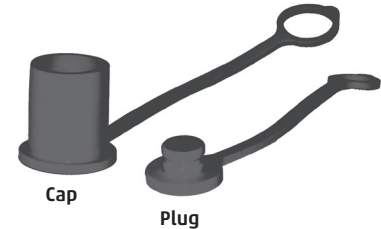
F	ISO	CH2	CH3	ØE	L1	L2	L3	Standard	Carrier Half Part Number	Probe Half Part Number
BSP 1/8	5	17	14	23	64.1	50.7	32	DIN 3852-2-X	PBV1.0404.002	PBV1.0404.003
BSP 1/4	6.3	19	19	28	76.5	60	38	DIN 3852-2-X	PBV1.0606.002	PBV1.0606.003
BSP 3/8	10	22	22	35	85.5	67.2	42.5	DIN 3852-2-X	PBV1.1010.002	PBV1.1010.003
BSP 1/2	12.5	27	27	44	96.5	75.7	48	DIN 3852-2-X	PBV1.1313.002	PBV1.1313.003
BSP 3/4	20	34	34	52	114.5	91.5	57	DIN 3852-2-X	PBV1.2019.002	PBV1.2019.003
BSP 1	25	41	41	60	132	105.8	65.5	DIN 3852-2-X	PBV1.2525.002	PBV1.2525.003
BSP 1 1/4	40	65	65	78.6	201.5	126.5	127	DIN 3852-2-X	PBV1.3931.002	PBV1.3931.003
BSP 1 1/2	40	65	65	78.6	201.5	126.5	127	DIN 3852-2-X	PBV1.3939.002	PBV1.3939.003
BSP 2	50	90	90	105	221	142	142	DIN 3852-2-X	PBV1.5051.002	PBV1.5051.003

# Dust Caps for ISO B

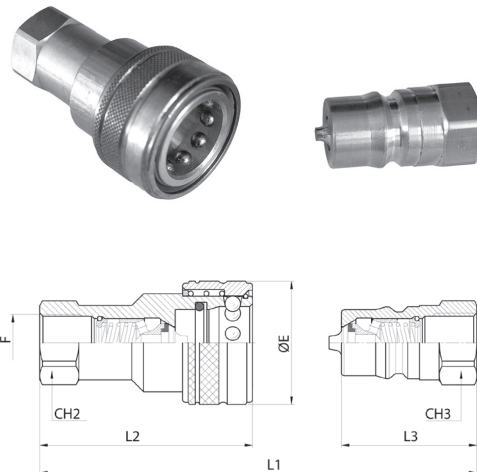
**Application:** Quick release couplings of the "Push-Pull" series are designed for use in all agricultural applications. The main characteristic of this coupling is to allow an automatic release in case of accidental pulls. This system avoids possible damage to the hydraulic circuit.

Body Size	Colour	Material	Female Dust Plug	Male Dust Cap
1/8	Red	PVC*	SPBV.04002 ✓	SPBV.04003 ✓
1/4	Red	PVC*	SPBV.06002 ✓	SPBV.06003 ✓
3/8	Red	PVC*	SPBV.10002 ✓	SPBV.10003 ✓
1/2	Red	PVC*	SPBV.13002 ✓	SPBV.13003 ✓
3/4	Red	PVC*	SPBV.20002 ✓	SPBV.20003 ✓
1	Red	PVC*	SPBV.25002 ✓	SPBV.25003 ✓
1 1/2	-	Aluminium	SPBV.39002 ✓	SPBV.39003 ✓
2	-	Aluminium	SPBV.50002 ✓	SPBV.50003 ✓

\* Also available in Aluminium



# PBVM Brass - Hydraulic Quick Release Couplings



ISO B Norm

- ✓ Ex Stock
- 🇬🇧 UK Assembly
- ☎ Please Call Sales Office

Nominal Size	ISO	mm	Max Working Pressure (bar)	Rated Flow (l/min)	Max Flow Rate (l/min)	Min. Burst Pressure			Fluid Spillage (CC)
						Male (bar)	Female (bar)	Coupled (bar)	
5	4.2	300	3	9	1200	1900	1500	0.5	
6.3	6.5	200	12	24	800	800	1200	1	
10	8.5	200	23	46	800	850	950	2.4	
12.5	10.5	180	45	90	720	900	1000	3.9	
20	15.8	130	106	220	550	650	800	11	
25	17.3	130	189	260	550	700	600	19	
40	36	60	379	757	250	250	250	95	
50	50	50	757	1000	200	200	200	170	

**Technical Data**

**Threads**

BSP  
NPT available on request

**Material**

Main parts in brass. Springs in AISI 302 and balls in AISI 316  
Seals: Standards are in FPM (Viton™).  
Other seals provided on request  
Back-up Ring: In pure Teflon

**Operating Temperature**

NBR standard seals -25°C to +200°C

**Special Requests**

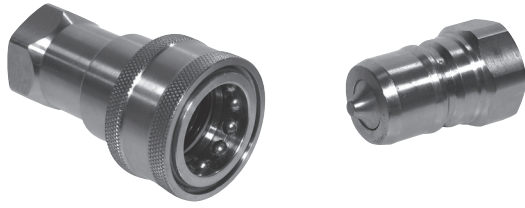
For assistance, contact our technical office or your local Camozzi distributor.



See above for Dust Caps

F	ISO	CH2	CH3	ØE	L1	L2	L3	Standard	Carrier Half Part Number	Probe Half Part Number
BSP 1/8	5	17	14	23	64.1	50.6	32	DIN 3852-2-X	PBVM.0404.002 ✓	PBVM.0404.003 ✓
BSP 1/4	6.3	19	19	28	76.5	60	38	DIN 3852-2-X	PBVM.0606.002 ✓	PBVM.0606.003 ✓
BSP 3/8	10	22	22	35	81.5	67.2	42.5	DIN 3852-2-X	PBVM.1010.002 ✓	PBVM.1010.003 ✓
BSP 1/2	12.5	27	27	44	96.5	75.7	48	DIN 3852-2-X	PBVM.1313.002 ✓	PBVM.1313.003 ✓
BSP 3/4	20	34	34	52	114.5	91.5	57	DIN 3852-2-X	PBVM.2019.002 ✓	PBVM.2019.003 ✓
BSP 1	25	41	41	60	132	105.8	65.5	DIN 3852-2-X	PBVM.2525.002 ✓	PBVM.2525.003 ✓
BSP 1 1/4	40	65	65	78.5	201.5	126.5	127	DIN 3852-2-X	PBVM.3931.002 ☉	PBVM.3931.003 ☉
BSP 1 1/2	40	65	65	78.5	201.5	126.5	127	DIN 3852-2-X	PBVM.3939.002 ☉	PBVM.3939.003 ☉
BSP 2	50	90	90	105	221	142	142.5	DIN 3852-2-X	PBVM.5051.002 ☉	PBVM.5051.003 ☉

# PBVX Stainless Steel - Hydraulic Quick Release Couplings



## ISO B Norm

### Technical Data

#### Threads

BSP

NPT available on request

#### Material

All components in stainless steel AISI 316. Springs in AISI 302.

Seals: Standard in FPM (Viton™).

Other seals provided on request

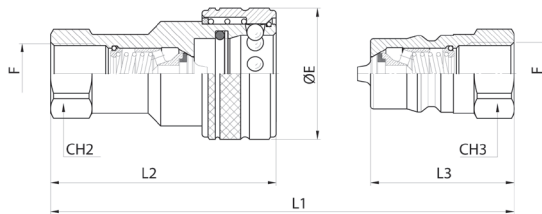
Back-up Ring: Teflon

#### Operating Temperature

Viton standard seals -25°C to +200°C

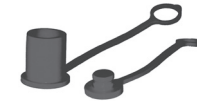
#### Special Requests

For assistance, contact our technical office or your local Camozzi distributor.



- ✓ Ex Stock
- 🔧 UK Assembly
- 📞 Please Call Sales Office

Nominal Size		Max Working Pressure (bar)	Rated Flow (l/min)	Max Flow Rate (l/min)	Min. Burst Pressure			Fluid Spillage (CC)
ISO	mm				Male (bar)	Female (bar)	Coupled (bar)	
5	4.2	400	3	9	2100	2000	1400	0.5
6.3	6.5	350	12	24	1700	1500	1600	1
10	8.5	300	23	46	1100	1100	2100	2.4
12.5	10.5	300	45	90	1500	1400	1500	3.9
20	15.8	220	106	220	1000	900	1000	11
25	17.3	200	189	260	600	650	850	19
40	36	80	379	757	250	250	250	95
50	50	60	757	1000	200	200	200	170

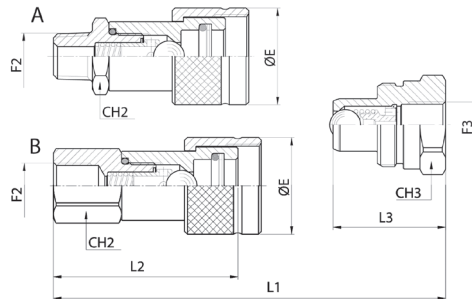


See page 334 for Dust Caps

F	ISO	CH2	CH3	ØE	L1	L2	L3	Standard	Carrier Half Part Number	Probe Half Part Number
BSP 1/8	5	14	14	23	64.1	50.6	32	DIN 3852-2-X	PBVX.0404.002	PBVX.0404.003
BSP 1/4	6.3	19	19	28	76.5	60	38	DIN 3852-2-X	PBVX.0606.002	PBVX.0606.003
BSP 3/8	10	22	22	35	81.5	65.2	40.5	DIN 3852-2-X	PBVX.1010.002	PBVX.1010.003
BSP 1/2	12.5	27	27	44	92.5	73.7	46	DIN 3852-2-X	PBVX.1313.002	PBVX.1313.003
BSP 3/4	20	34	34	51.8	114.5	91.5	57	DIN 3852-2-X	PBVX.2019.002	PBVX.2019.003
BSP 1	25	41	41	60	128	103.8	63.5	DIN 3852-2-X	PBVX.2525.002	PBVX.2525.003
BSP 1 1/4	40	65	65	78.5	201.5	126.5	127	DIN 3852-2-X	PBVX.3931.002	PBVX.3931.003
BSP 1 1/2	40	65	65	78.5	201.5	126.5	127	DIN 3852-2-X	PBVX.3939.002	PBVX.3939.003
BSP 2	50	90	90	105	220	142	142	DIN 3852-2-X	PBVX.5051.002	PBVX.5051.003

# PVS1/PVS3 - Enerpac Interchange

**Application:** These couplings are available in DN10 (generally with 3/8NPT) and in DN06 (threaded 1/4NPT) with shut-off ball (PVS) or shut-off valve (PVM). The screw system allows connection and disconnection under pressure. Available with steel and aluminium dust caps and plugs for male/female.



- ✓ Ex Stock
- ✂ UK Assembly
- Ⓞ Please Call Sales Office

Nominal Size		Max Working Pressure (bar)	Rated Flow (l/min)	Max Flow Rate (l/min)	Min. Burst Pressure			Fluid Spillage (CC)
ISO	mm				Male (bar)	Female (bar)	Coupled (bar)	
6.3	3.7	720	12	5	1500	2000	2200	0.2
10	4.8	720	23	9	1500	2000	2200	0.6

**Technical Data**

**Characteristics**

PVS and PVM couplings are specially designed for high pressure applications such as cylinders and hydraulic tools. They are interchangeable with the most common equivalents on the market.

**Material**

Special steel for high pressures zinc plated and white bichromated. Shut-off balls UNI 100CR6 precision's degree 'A'

Seals: Standard in nitrile NBR. FPM (Viton™) or EPDM on request

Back-up Ring: In pure Teflon

**Operating Temperature**

with NBR standard seals -25°C to +120°C

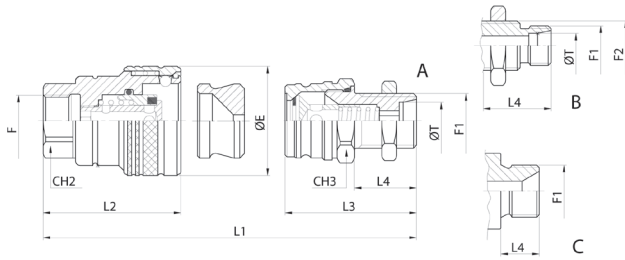
**Special Requests**

For assistance, contact our technical office.

F	ISO	CH2	CH3	ØE	L1	L2	L3	L4	Standard	Carrier Half Part Number	Probe Half Part Number
NPT 1/4	6.3	22	19	30	83.9	56	39		ANSI B1.20.3	PVS3.0606.012	PVS1.0606.013
NPT 1/4	6.3	22	19	30	99.9	53	58	14	ANSI B1.20.3	PVS3.0606.022	PVS1.0606.023
BSP 1/4	6.3	22		30		51.5		10.5	JIS B8363	PVS3.0606.212	
NPT 1/4	10		32	35			40.5		ANSI B1.20.3		PVS1.1006.013
BSP 3/8	10	24	32	35		66.5			DIN 3852-2-X	PVS3.1010.112	PVS1.1010.003
NPT 3/8	10	24	32	35	90.9	66	40.5		ANSI B1.20.3	PVS3.1010.012	PVS1.1010.013
NPT 1/4	10	24		35		64.5			ANSI B1.20.3	PVS3.1006.022	
NPT 3/8	10	24	32	35	106.9	62	60.5		ANSI B1.20.3	PVS3.1010.022	PVS3.1010.023
BSP 3/8	10	24		35		62.5			DIN 3852-2-A	PVS3.1010.212	

# PFT1/PFT3 - Agricultural Coupling Trailer Brake Standard Range

Application: Agriculture is the specific area for the use of this series.  
PFT couplings are specifically used to connect the hydraulic brake system.



**Technical Data**

**Characteristics**

PFT couplings are produced according to NFU 16-006/68 corresponding to ISO 5676.

Easy connection and disconnection is possible by retracting the sleeve. Females of both series are supplied with steel plugs for housing when resting.

**Material**

Zinc plated steel with all high stressed components carbonitrided or hardened by induction  
Seals: Standard in nitrile NBR. Other seals on request

**Operating Temperature**

with NBR standard seals -25°C to +125°C

**Special Requests**

For assistance, contact our technical office.




- ✓ Ex Stock
- ✎ UK Assembly
- ☎ Please Call Sales Office

Nominal Size		Max Working Pressure (bar)	Rated Flow (l/min)	Max Flow Rate (l/min)	Min. Burst Pressure			Fluid Spillage (CC)
ISO	mm				Male (bar)	Female (bar)	Coupled (bar)	
12.5	8	150	24	48	900	620	930	0.05



F	ISO	CH2	CH3	CH4	ØE	L1	L2	L3	L4	ØT	Standard	Carrier Half Part Number	Probe Half Part Number
BSP 3/8	12.5	27			44	55.5					DIN 3852-2-X	PFT1.1310.002	✓
BSP 1/2	12.5	27	28	32	44	98	55.5	57			DIN 3852-2-X	PFT1.1313.002	✓ PFT3.1313.113 ✓
M18x1.5	12.5	27			44	55.5					ISO 6149-1	PFT1.1318.102	✓
BSP 1/2	12.5			32	44		48	15.5			DIN 3852-2-A		PFT3.1313.213 ✓
M18x1.5	12.5			32	44		49	21	12L		ISO 8434-1-L		PFT3.1318.503 ✓
M18x1.5	12.5			32	44		58	30	12L		ISO 8434-1-L		PFT3.1318.523 ✓
M20x1.5	12.5			32	44		51	23	Ø13.4		-		PFT3.1320.503 ✓
M22x1.5	12.5			32	44		41	23	15L		ISO 8434-1-L		PFT3.1322.503 ✓
M22x1.5	12.5		32	32	44		82	28	15L		ISO 8434-1-L		PFT3.1322.623 ✓
M22x1.5	12.5			32	44		63	35	15L		ISO 8434-1-L		PFT3.1322.603 ✓
3/4-16 UNF 2A	12.5		28	32	44		50	11			SAE J 1926-2		PFT3.1319.223 ✓
M18x1.5	12.5		32	32	44		65	12	12L		ISO 8434-1-L		PFT3.1318.303 ✓
M22x1.5	12.5		32	32	44		65	12	15L		ISO 8434-1-L		PFT3.1322.303 ✓
M22x1.5	12.5			32	44		65	37			DIN 3863-U		PFT3.1322.613 ✓
3/4-16 UNF 2A	12.5		28	32	44		89.5	16.7			SAE J 514		PFT3.1319.503 ✓
7/8-14 UNF 2A	12.5		32	32	44		94	40			SAE J 514		PFT3.1378.603 ✓

# Hydraulic Valves & Accessories



## 1 Hydraulic Ball Valves

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 High Pressure 2-Way Ball Valves	339
 High Pressure 3-Way Diverter Ball Valves	340
 High Pressure Ball Valves (with fixing holes)	341

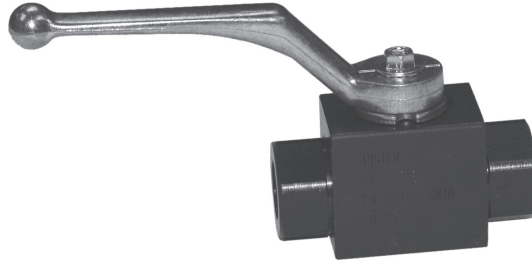
## 2 Actuated Ball Valves

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 Pneumatically Actuated Two-Way Ball Valve - High Pressure	342
 Pneumatically Actuated Three-Way Ball Valve - High Pressure	343

## 3 Accessories

	<b>Page</b>
 In-Line Check Valves	344
 Flow Control & Needle Valves	345

# High Pressure 2-Way Ball Valves



- ✓ Ex Stock
- 🔧 UK Assembly
- 📞 Please Call Sales Office

Part Number: BKH.\* - BKH Series, Barstock Steel

BSP (G), NPT (N), METRIC THREADS (L&S)						
DN	Bore	Thread	BAR	BSP Code		NPT Code
4	5	1/8	500	*1113 G18	✓	*1113 N18 ✓
6	6	1/4	500	*1113 G14	✓	*1113 N14 ✓
10	10	3/8	500	*1113 G38	✓	*1113 N38 ✓
13	13	1/2	500	*1113 G1213	✓	*1113 N12 ✓
16	15	1/2	500	*1113 G1215	✓	-
20	20	3/4	400	*1113 G34	✓	*1113 N34 ✓
25	24	1	350	*1113 G1	✓	*1113 N1 ✓
32	24	1 1/4	350	*1113 G54	✓	*1113 N54 ✓
40	24	1 1/2	350	*1113 G32	✓	*1113 N32 ✓

Outside metric according to DIN 2353 L (light) or S (heavy)

Code Tube Size Light							Code Tube Size Heavy		
4	5	-	M12 x 1.5	500	*1113 6L	⊕	-	-	-
6	6	-	M14 x 1.5	500	*1113 8L	⊕	-	-	-
8	8	5	M16 x 1.5	500	*1113 10L	⊕	*1113 8S	⊕	-
10	10	6	M18 x 1.5	500	*1113 12L	⊕	*1113 10S	⊕	-
10	-	8	M20 x 1.5	500	-	-	*1113 12S	⊕	-
13	13	10	M22 x 1.5	500	*1113 15L	⊕	*1113 14S	⊕	-
13	-	13	M24 x 1.5	500	-	-	*1113 16S	⊕	-
16	15	-	M26 x 1.5	500	*1113 18L	⊕	*1113 20S	⊕	-
20	20	15	M30 x 2	400	*1113 22L	⊕	*1113 20S	⊕	-
25	24	20	M36 x 2	350	*1113 28L	⊕	*1113 25S	⊕	-
25	-	24	M42 x 2	350	-	-	*1113 30S	⊕	-
32	24	-	M45 x 2	350	*1113 35L	⊕	-	-	-
40	24	24	M52 x 2	350	*1113 42L	⊕	*1113 38S	⊕	-

**Technical Data**

**Materials**

Carbon steel, black phosphated, Polyamide/BUNA seals

**Operating Pressure**

See table

**Safety Factor**

1.5

**Operating Temperature**

-30°C - to +90°C

**Additional Options**

Forged steel bodies, DELRIN/BUNA, VITON, EPDM and PTFE seals

**Special Requests**

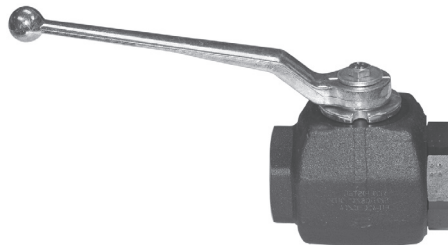
For assistance, contact our technical office or your local Camozzi distributor.



Main



Section



- ✓ Ex Stock
- 🔧 UK Assembly
- 📞 Please Call Sales Office

Part Number: SKH.\* - SKH Series, Forged Steel

BSP (G), NPT (N), METRIC THREADS (L&S)									
DN	Bore	Thread	BAR	BSP Code		NPT Code			
32	32	1 1/4	420	*3123 G54	✓	*2123 N54 ✓			
40	38	1 1/2	420	*3123 G32	✓	*3123 N32 ✓			
50	48	2	420	*3123 G2-2PC	✓	*3123 N2 ✓			
50	48	2	420	*1113 G2-3PC	✓	-			
				Code Tube Size Light			Code Tube Size Heavy		
32	32		M45 x 2	420	*2123 35L	⊕	*2123 38S	⊕	-
40	38		M52 x 2	420	*2123 42L	⊕	-	-	-

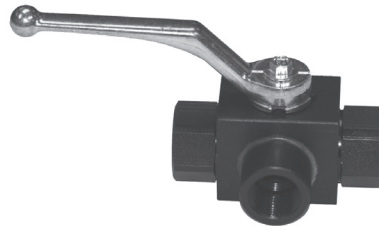


# High Pressure 3-Way Diverter Ball Valves

- ✓ Ex Stock
- 🔧 UK Assembly
- 📞 Please Call Sales Office

Part Number: BK3\* - BK3 Series, Barstock Steel

DN	Bore	Thread	BAR	Code BSP		Code NPT	
4	4	1/8	400	*1123 G18	📞	-	
6	6	1/4	400	*1123 G14	📞	*1123 N14	📞
10	9	3/8	400	*1123 G38	📞	*1123 N38	📞
13	12	1/2	350	*1123 G12	📞	*1123 N12	📞



#### Technical Data

#### Materials

Carbon steel, black phosphated, DELRIN/BUNA seals

#### Operating Pressure

See table

#### Operating Temperature

-30°C - to +90°C

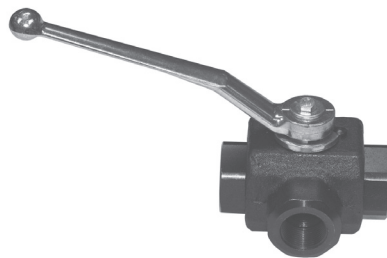
#### Special Requests

For assistance, contact our technical office or your local Camozzi distributor.

- ✓ Ex Stock
- 🔧 UK Assembly
- 📞 Please Call Sales Office

Part Number: SK3\* - SK3 Series, Forged Steel

DN	Bore	Thread	BAR	Code BSP		Code NPT	
20	18	3/4	350	*2123 G34	✓	*2123 N34	✓
25	22	1	350	*2123 G1	✓	*2123 N1	✓
32	22	1 1/4	350	*2123 G5425	✓	*2123 N5425	✓
32	30	1 1/4	350	*2123 G5425	✓	*2123 N5432	✓
40	25	1 1/2	350	*2123 G3225	✓	*2123 N3225	✓
40	35	1 1/2	350	*2123 G3240	✓	*2123 N3240	✓
50	44	2	350	*2123 G2	✓	*2123 N2	✓

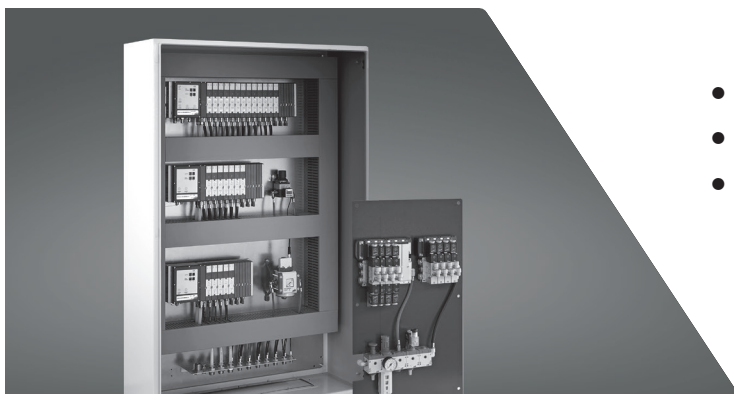


Main



Section

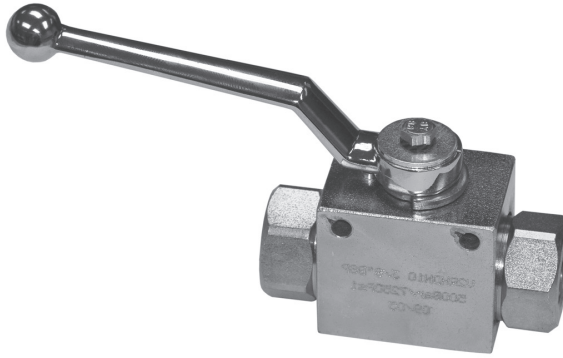
## Customised Solutions



- Pre-Assembled Kits
- Special Products
- Control Cabinets and Systems

# High Pressure Ball Valves (with fixing holes)

Connections: 1/4 - 1 1/2 BSP Female



**Technical Data**

**Materials**

Carbon steel, zinc passivated, BUNA

**Operating Pressure**

See table

**Operating Temperature**

-20°C - to +100°C

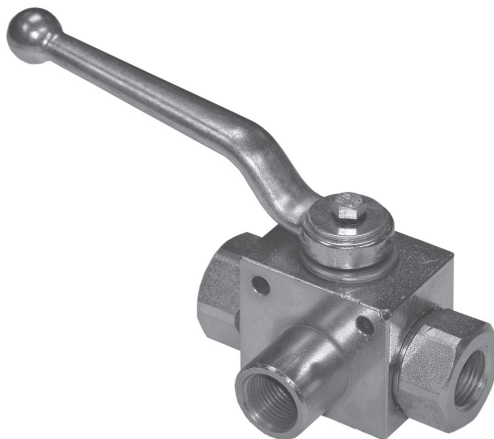
**Special Requests**

For assistance, contact our technical office or your local Camozzi distributor.

- ✓ Ex Stock
- ✚ UK Assembly
- ☎ Please Call Sales Office

Part Number: VF2\* - VF2 Series 2-Way

DN	Thread	BAR	Carbon Steel	
6	1/4	500	*1113 G14	✓
10	3/8	500	*1113 G38	✓
13	1/2	500	*1113 G12	✓
20	3/4	320	*1113 G34	✓
25	1	320	*1113 G1	✓
25	1 1/4	320	*1113 G54	✓
25	1 1/2	320	*1113 G32	✓



- ✓ Ex Stock
- ✚ UK Assembly
- ☎ Please Call Sales Office

Part Number: VF3\* - VF3 Series 3-Way L or T

DN	Thread	BAR	Carbon Steel	
6	1/4	500	*1113 G14	✓
10	3/8	500	*1113 G38	✓
13	1/2	500	*1113 G12	✓
20	3/4	250	*1113 G34	✓
25	1	250	*1113 G1	✓
25	1 1/4	250	*1113 G54	✓
25	1 1/2	250	*1113 G32	✓

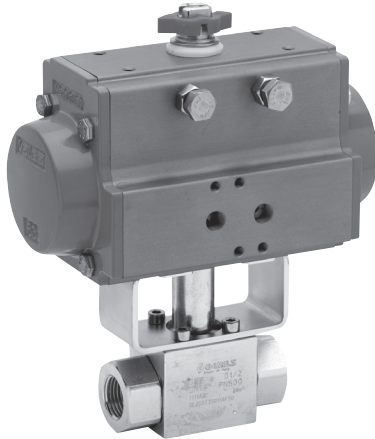
# Pneumatically Actuated Two-Way Ball Valve - High Pressure

2 way Ball Valve in Stainless Steel and Carbon Steel, F/F threaded, for high pressure hydraulic applications, with pneumatic actuator

Part Number: Stainless Steel

8P022900\* (double acting)

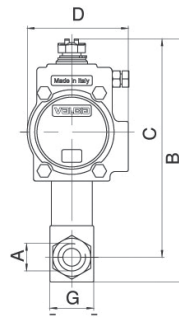
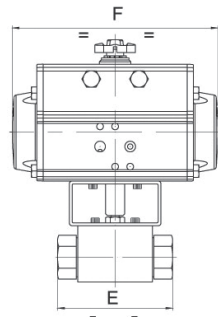
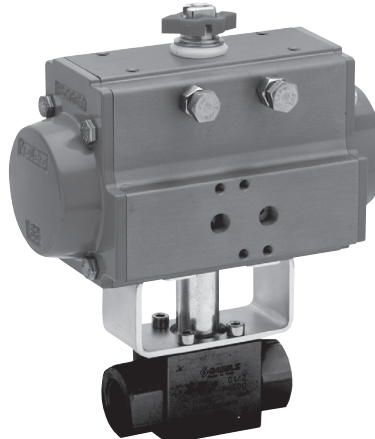
8P023000\* (single acting)



Part Number: Carbon Steel

8P013700\* (double acting)

8P013800\* (single acting)



- ✓ Ex Stock
- 🔧 UK Assembly
- 📞 Please Call Sales Office

Valve with Double Acting Actuator. Types 8P022900 and Types 8P013700

Dimensions (mm)										
		Size/DN/A	PN	B	C	D	E	F	G	ACT
*03	🔧	3/8	500	182	164	71	73	141	35	DA 52
*04	🔧	1/2	500	196	178	81	83	164	37	DA 63
*05	🔧	3/4	400	226	203	95	95	210	45	DA 75
*06	🔧	1	350	237	207	95	112	210	55	DA 75
*07	🔧	1 1/4	350	292	245	123	115	275	88	DA 100
*08	🔧	1 1/2	350	306	252	123	131	275	102	DA 100
*10	🔧	2	350	347	290	137	140	333	118	DA 115

Valve with Spring Return Actuator. Types 8P023000 and Types 8P013800

Dimensions (mm)										
		Size/DN/A	PN	B	C	D	E	F	G	ACT
*03	🔧	3/8	500	212	194	95	73	210	35	SR 75
*04	🔧	1/2	500	214	196	95	83	210	37	SR 75
*05	🔧	3/4	400	254	230	123	95	275	45	SR 100
*06	🔧	1	350	264	234	123	112	275	55	SR 100
*07	🔧	1 1/4	350	326	279	137	115	333	88	SR 115
*08	🔧	1 1/2	350	340	286	137	131	333	102	SR 115
*10	🔧	2	350	421	364	164	140	435	118	SR 140

Technical Data

## Operating Conditions

Fluid at +20°C, actuator air supply 6 - 7 BAR

## Media

Suitable for hydraulic applications for other media please contact our technical office or your local Camozzi distributor

## Operating Pressure

Nominal working pressure (PN) in BAR - See chart

## Operating Temperature

-20°C to +80°C

## Flow Rates

Please refer to Camozzi sales office

## Threads

BSP F/F (others on request)

## Materials

Body/Ball:

8P022900\*: Stainless Steel

8P023000\*: Stainless Steel

8P013700\*: Carbon Steel

8P013800\*: Carbon Steel

Seats: Polyamide

'O' Ring: NBR

## Additional Options

Please contact Camozzi for more details



NAMUR solenoid valves



Limit switch box

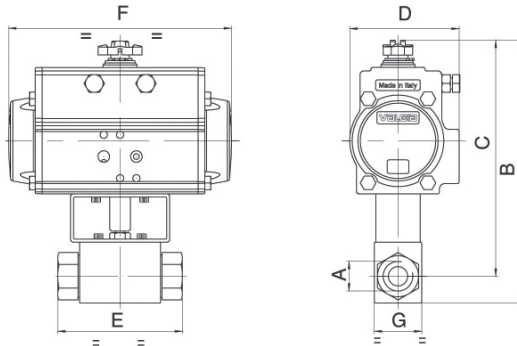
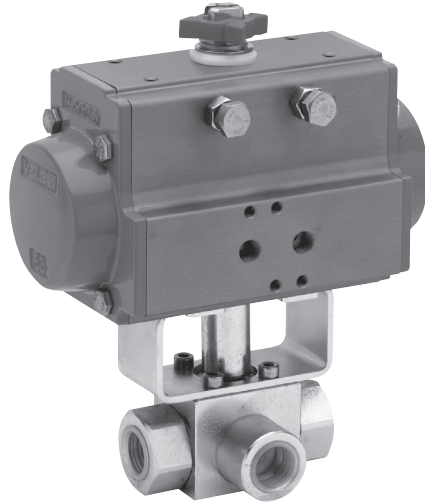
## Special Requests

For assistance, contact our technical office or your local Camozzi distributor.

# Pneumatically Actuated Three-Way Ball Valve - High Pressure

3 way Ball Valve in CF9SMn28, "L" or "T" port, only diverting, F/F/F, threaded, for high pressure hydraulic applications, with pneumatic actuator.

Part Number: 8P015300\* L - 8P015400\* T (double acting)  
8P015500\* L - 8P015600\* T (single acting)



## Technical Data

### Operating Conditions

Fluid at +20°C

### Media

Suitable for hydraulic applications for other media please contact our technical office or your local Camozzi distributor

### Operating Pressure

Nominal working pressure (PN) in BAR - See chart

### Operating Temperature

-20°C to +80°C

### Flow Rates

Please refer to Camozzi sales office

### Threads

BSP F/F/F (others on request)

### Materials

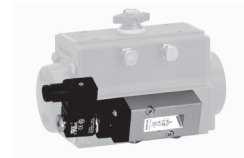
Body/Ball: Steel

Seats: Polyamide

'O' Ring: NBR

### Additional Options

Please contact Camozzi for more details



NAMUR solenoid valves



Limit switch box

- ✓ Ex Stock
- 🔧 UK Assembly
- ☎ Please Call Sales Office

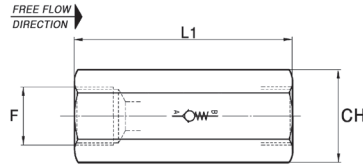
Valve with Double Acting Actuator. Types 8P015300 (L), 8P015400 (T)

Dimensions (mm)											
	Size/DN/A	PN	B	C	D	E	F	G	H	ACT	
*03	3/8	400	182	164	71	73	141	35	37	DA 52	
*04	1/2	350	196	178	81	83	164	37	40	DA 63	
*05	3/4	350	226	203	95	95	210	45	52	DA 75	
*06	1	350	236	207	95	112	210	55	60	DA 75	

Valve with Single Acting Actuator. Types 8P015500 (L), 8P015600 (T)

Dimensions (mm)											
	Size/DN/A	PN	B	C	D	E	F	G	H	ACT	
*03	3/8	400	211	194	95	73	210	35	37	SR 75	
*04	1/2	350	214	196	95	83	210	37	40	SR 75	
*05	3/4	350	253	230	123	95	275	45	52	SR 100	
*06	1	350	263	234	123	112	275	55	60	SR 100	

# In-Line Check Valves



- ✓ Ex Stock
- 🔧 UK Assembly
- ☎ Please Call Sales Office

**Technical Data**

**Materials**

FT 260/6: Zinc-Plated Carbon Steel  
 ATR Series: Zinc-Plated Carbon Steel  
 FT 2260: Stainless Steel/VITON  
 ATR-X: Stainless Steel (316)

**Cracking Pressure**

FT: 0.35 BAR or 4.5 BAR  
 ATR: 0.35/1.5/2.5/4/6 BAR

**Operating Temperature**

-20°C - to +100°C

**Special Requests**

For assistance, contact our technical office or your local Camozzi distributor.

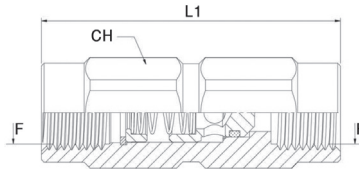
**FT 260/6 - Carbon Steel**

F	CH	L1	Max. Working Pressure (bar)	Max. Rated Flow (l/min)	Min. Burst Pressure (bar)	Part Number	
1/8	16	41	400	30	1600	FT260/6-G18	✓
1/4	19	54	400	38	1600	FT260/6-G14	✓
3/8	24	65	400	66	1600	FT260/6-G38	✓
1/2	30	77	400	130	1600	FT260/6-G12	✓
3/4	36	88	400	162	1600	FT260/6-G34	✓
1	46	108.5	320	166	1300	FT260/6-G100	✓

**FT 2260/6 - Stainless Steel**

F	CH	L1	Max. Working Pressure (bar)	Max. Rated Flow (l/min)	Min. Burst Pressure (bar)	Part Number	
1/8	16	41	400	30	1600	FT2260/6-G18	✓
1/4	19	54	400	38	1600	FT2260/6-G14	✓
3/8	24	65	400	66	1600	FT2260/6-G38	✓
1/2	30	77	400	130	1600	FT2260/6-G12	✓
3/4	36	88	400	162	1600	FT2260/6-G34	✓
1	46	108.5	320	166	1300	FT2260/6-G100	✓

- ✓ Ex Stock
- 🔧 UK Assembly
- ☎ Please Call Sales Office



**ATR - Carbon Steel**

F	DN	CH	L1	Max. Working Pressure (bar)	Max. Rated Flow (l/min)	Min. Burst Pressure (bar)	Part Number	
1/8	04	14	44	300	8	1200	ATR-G18	✓
1/4	06	19	56	300	26	1200	ATR-G14	✓
3/8	10	22	70	300	44	1200	ATR-G38	✓
1/2	13	30	77	300	90	1200	ATR-G12	✓
3/4	20	36	90	300	152	1200	ATR-G34	✓
1	25	46	106	300	200	1200	ATR-G100	✓
1 1/4	32	55	125	300	370	1200	ATR-G114	✓
1 1/2	40	60	140	300	598	1200	ATR-G112	✓
2	50	75	160	200	875	800	ATR-G200	✓

**ATR-X - Stainless Steel**

F	DN	CH	L1	Max. Working Pressure (bar)	Max. Rated Flow (l/min)	Min. Burst Pressure (bar)	Part Number	
1/8	04	14	44	300	8	1200	ATR-X-G18	✓
1/4	06	19	56	300	26	1200	ATR-X-G14	✓
3/8	10	22	70	300	44	1200	ATR-X-G38	✓
1/2	13	30	77	300	90	1200	ATR-X-G12	✓
3/4	20	36	90	300	152	1200	ATR-X-G34	✓
1	25	46	106	300	200	1200	ATR-X-G100	✓
1 1/4	32	55	125	300	370	1200	ATR-X-G114	✓
1 1/2	40	60	140	300	598	1200	ATR-X-G112	✓
2	50	75	160	200	875	800	ATR-X-G200	✓

# Flow Control & Needle Valves

Connections: 1/8 - 1 1/2 BSP

Inline needle valves with micrometer scale

HYDRAULIC VALVES & ACCESSORIES



- ✓ Ex Stock
- ✎ UK Assembly
- ☎ Please Call Sales Office

DV Series, Double Acting Flow Control & Shut-off (Bi-directional)

Part Number		BSP	BAR	LPM MAX
DV-G18	✓	1/8	350	10
DV-G14	✓	1/4	350	50
DV-G38	✓	3/8	350	75
DV-G12	✓	1/2	350	140
DV-G34	✓	3/4	350	175
DV-G100	✓	1	350	350
DV-G114	✓	1 1/4	350	350
DV-G112	✓	1 1/2	350	350

**Technical Data**

**Materials**

DV/DRV: Zinc-Plated Carbon Steel, Nitrile seals

FT: Nickel plated brass (stainless steel where stated), Nitrile seals

**Operating Pressure**

DV/DRV: 350 BAR

FT: 210 BAR

**Operating Temperature**

-20°C - to +100°C

**Special Requests**

For assistance, contact our technical office or your local Camozzi distributor.



Main



Section



- ✓ Ex Stock
- ✎ UK Assembly
- ☎ Please Call Sales Office

DRV Series, Single Acting Flow Control, Free reverse Flow (Uni-directional)

Part Number		BSP	BAR	LPM MAX
DRV-G18	✓	1/8	350	10
DRV-G14	✓	1/4	350	50
DRV-G38	✓	3/8	350	75
DRV-G12	✓	1/2	350	140
DRV-G34	✓	3/4	350	175
DRV-G100	✓	1	350	350
DRV-G114	✓	1 1/4	350	350
DRV-G112	✓	1 1/2	350	350
DRV-G200	✓	2	350	350

- ✓ Ex Stock
- 🔧 UK Assembly
- 📞 Please Call Sales Office

Bi-directional Fine flow control			Part Number	
BSP	BAR	LPM	Brass	
1/8	210	0-3 fine control	FT 1237/2-18	✓



Bi-directional Flow control & shut off			Part Number		Part Number	
BSP	BAR	LPM	Brass		Stainless Steel	
1/8	210	10	FT 1251/2-18	✓	-	
1/4	210	20	FT 1251/2-14	✓	FT 2251/2-14	✓
3/8	210	30	FT 1251/2-38	✓	FT 2251/2-38	✓
1/2	210	60	FT 1251/2-12	✓	FT 2251/2-12	✓
3/4	210	80	FT 1251/2-34	✓	FT 2251/2-34	✓



Bi-directional 90° Mount Flow control & shut off			Part Number	
BSP	BAR	LPM	Brass	
1/8	210	10	FT 1252/2-18	✓
1/4	210	20	FT 1252/2-14	✓
3/8	210	30	FT 1252/2-38	✓
1/2	210	60	FT 1252/2-12	✓



Uni-directional Fine flow control			Part Number	
BSP	BAR	LPM	Brass	
1/8	210	0-3 fine control	FT 1237/5-18	✓



Uni-directional Flow control			Part Number	
BSP	BAR	LPM	Brass	
1/4	210	20	FT 1251/5-14	✓
3/8	210	30	FT 1251/5-38	✓
1/2	210	60	FT 1251/5-12	✓
3/4	210	80	FT 1251/5-34	✓



Uni-directional Flow control			Part Number	
BSP	BAR	LPM	Brass	
1/8	210	10	FT 1253/5-18	✓
1/4	210	20	FT 1253/5-14	✓
3/8	210	30	FT 1253/5-38	✓
1/2	210	60	FT 1253/5-12	✓
3/4	210	80	FT 1253/5-34	✓



Uni-directional 90° Mount Flow control			Part Number	
BSP	BAR	LPM	Brass	
1/8	210	10	FT 1254/5-18	✓
1/4	210	20	FT 1254/5-14	✓
3/8	210	30	FT 1254/5-38	✓
1/2	210	60	FT 1254/5-12	✓



## **INDUSTRY LEADING PNEUMATIC CYLINDER SERVICE**



### **The quickest way to get a cylinder in the UK**

Getting a pneumatic cylinder fast doesn't have to be stressful.

Camozzi's UK-based cylinder production enables most standard and non-standard cylinders in any bore or stroke variation, to be built within a same day or next day window, with no additional surcharge.

In the event of a potentially costly breakdown situation, Camozzi is equipped to offer a one hour cylinder build service, enabling customers to get back up and running with minimal disruption.

**Standard & non-standard strokes**




**Includes many cylinder types**

**Totally flexible delivery and collection options**






# Tubing


## 1 Nylon

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# Flexible and Extra Flexible Nylon Tubing

## 30m coil (BS5409)

Applications: Both flexible and extra flexible nylon tubing is manufactured from high quality nylon granules.

These are ideally suited for use with push-in fittings and for a wide range of industrial applications.

Compressed air, lubrication, refrigeration, air conditioning, coolant lines, fuels and oils (TRN and TRM).

Pneumatic controls and instrumentation systems (TRXN).

- ✓ Ex Stock
- 🇬🇧 UK Assembly
- 📞 Please Call Sales Office



Flexible Nylon Tubing - Metric	Availability	OD mm	ID mm	Working Pressure psi	Working Pressure bar
TRN 4/2.5*	✓	4	2.5	400	27
TRN 4/3#	✓	4	3	260	18
TRN 5/3*	✓	5	3	400	24
TRN 6/4*	✓	6	4	350	24
TRN 8/5.5*	✓	8	5.5	335	23
TRN 8/6*	✓	8	6	255	17
TRN 10/7*	✓	10	7	320	22
TRN 10/8*	✓	10	8	200	14
TRN 12/9*	✓	12	9	260	18
TRN 12/10*	✓	12	10	160	11
TRN 14/11†	✓	14	11	210	14
TRN 15/12.5†	✓	14	12.5	195	13
TRN 16/13#	Ⓞ	16	13	200	14
TRN 22/17#	Ⓞ	22	17	235	16
TRN 28/22#	Ⓞ	28	22	220	15

Flexible Nylon Tubing - Imperial	Availability	OD inch	ID inch	Working Pressure psi	Working Pressure bar
TRM 1/8#	Ⓞ	1/8	.058	350	23
TRM 3/16*	Ⓞ	3/16	.117	350	23
TRM 1/4*	Ⓞ	1/4	.170	350	23
TRM 5/16*	Ⓞ	5/16	.212	350	23
TRM 3/8*	Ⓞ	3/8	.250	350	23
TRM 1/2*	Ⓞ	1/2	.375	250	17
TRM 5/8#	Ⓞ	5/8	.5	200	13
TRM 3/4#	Ⓞ	3/4	.594	200	13
TRM 1#	Ⓞ	1	.813	200	13

Extra Flexible Nylon Tubing - Metric	Availability	OD mm	ID mm	Working Pressure psi	Working Pressure bar
TRXN 4/2.5*	Ⓞ	4	2.5	220	15
TRXN 5/3#	Ⓞ	5	3	250	17
TRXN 6/4*	Ⓞ	6	4	200	13
TRXN 8/5.5#	Ⓞ	8	5.5	160	11
TRXN 10/8#	Ⓞ	10	7	160	11
TRXN 12/9*	Ⓞ	12	9	130	9

\*TRN, TRM and TRXN tubing is supplied in natural as standard. The tube sizes marked \* are available in natural, black, red, blue, green and yellow. Please specify colour when ordering.

#Only available in natural.

†Only available in natural or blue.

### Technical Data Standard Coil Lengths

30 metres  
Other lengths and drums available on request

**Materials**  
Manufactured from nylon 12

**Operating Temperature**  
-35°C to +70°C  
Brittle temperature: -70°C

**Working Pressure**  
Values stated are based on the short term burst pressure of nylon at 20°C using a 4:1 safety factor.  
For data over 20°C, contact our sales office

**Bend Radius**  
For information regarding this data, contact our sales office

**Chemical Resistance**  
Resistant to most solvents, alkalis, oils, greases, petroleum products, and dilute acids (mineral and organic).  
For further information, contact our sales office

This product range is not suitable for food and drinks applications - see page 353

**Technical Advice**  
For assistance, contact our technical office or your local Camozzi distributor.



## Series 9000 Air Brake Nylon Tubing

Manufactured and printed to DIN 73378 except black tube which complies to air brake standards DIN 74324. It is also printed with depth marks and is suitable for use with air, water, petrol, diesel and many other chemicals.

- ✓ Ex Stock
- 🔧 UK Assembly
- 📞 Please Call Sales Office



TUBING

C-Truck Air Brake Nylon Tubing - Metric	OD	ID	Working	Working
Availability	mm	mm	Pressure psi	Pressure bar
TRN 4/2 NX*	4	2	900	27
TRN 6/4 NX*	6	4	350	24
TRN 8/6 NX*†	8	6	255	17
TRN 10/8 NX*†	10	8	200	14
TRN 12/9 NX*†	12	9	260	18
TRN 15/12 NX	15	12	200	13
TRN 16/13 NX	16	13	200	14
TRN 18/14 NX	18	14	250	17

Supplied in black as standard.

The tube sizes marked \* are also available in natural, red, blue.

The tube sizes marked † are also available in yellow.

Please specify colour when ordering.

### Technical Data

#### Standard Coil Lengths

15 metres

Other lengths available on request

#### Materials

Manufactured from nylon 12

#### Operating Temperature

-35°C to +70°C

Brittle temperature: -70°C

#### Working Pressure

Values stated are based on the short term burst pressure of nylon at 20°C using a 4:1 safety factor.

For data over 20°C, contact our sales office

#### Bend Radius

For information regarding this data, contact our sales office

#### Chemical Resistance

Resistant to most solvents, alkalis, oils, greases, petroleum products, and dilute acids (mineral and organic).

For further information, contact our sales office

#### Approvals

Manufactured and printed to DIN 73378 except black tube which complies to air brake standards DIN 74324

#### Technical Advice

For assistance, contact our technical office or your local Camozzi distributor.



Main



Section

## UK Cylinder Service



### Reduce Lead Times for Pneumatic Cylinders

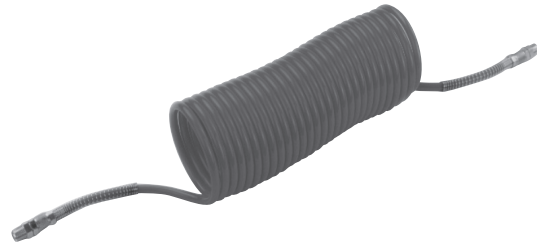
- Built the same or next day
- Includes many cylinder types

# Flexible Nylon Recoils

Tubing to (BS5409)

- ✓ Ex Stock
- 🔧 UK Assembly
- 📞 Please Call Sales Office

Applications: TRNR flexible nylon recoils are manufactured from high quality nylon granules and are suitable for use in a wide range of pneumatic applications. Flexible nylon recoils are fitted with BSPT swivel fittings and anti-kink tube nuts as standard.



## Technical Data

### Standard Coil Lengths

See table

Other lengths available on request

### Materials

TRNR coils are manufactured from nylon 12

### Operating Temperature

-35°C to +70°C

Brittle temperature: -70°C

### Working Pressure

Values stated are based on the short term burst pressure of nylon at 20°C using a 4:1 safety factor.

For data over 20°C, contact our sales office

### Chemical Resistance

Resistant to most solvents, alkalis, oils, greases, petroleum products, and dilute acids (mineral and organic).

For further information, contact our sales office

### Approvals

Tubing manufactured to BS5409 (1)

This product range is not suitable for food and drinks applications

### Technical Advice

For assistance, contact our technical office or your local Camozzi distributor.

Flexible Nylon Tubing - Metric Availability	OD mm	ID mm	Working Length metre	BSPT Swivel Fitting	Working Pressure bar	
TRNR-0602	✓	6	4	2.5	1/4	24
TRNR-0605	✓	6	4	5	1/4	24
TRNR-0610	✓	6	4	10	1/4	24
TRNR-0615	✓	6	4	15	1/4	24
TRNR-0802	✓	8	6	2.5	1/4	17
TRNR-0805	✓	8	6	5	1/4	17
TRNR-0810	✓	8	6	10	1/4	17
TRNR-0815	✓	8	6	15	1/4	17
TRNR-1002	✓	10	8	2.5	3/8	14
TRNR-1005	✓	10	8	5	3/8	14
TRNR-1010	✓	10	8	10	3/8	14
TRNR-1015	✓	10	8	15	3/8	14
TRNR-1202	✓	12	9	2.5	3/8	11
TRNR-1205	✓	12	9	5	3/8	11
TRNR-1210	✓	12	9	10	3/8	11
TRNR-1215	✓	12	9	15	3/8	11

Flexible nylon recoils are available without BSPT swivel fittings on request. Please note: not suitable for constant rotation.

# Reinforced PVC Braided Hose

## 30m Coils

- ✓ Ex Stock
- 🔧 UK Assembly
- 📞 Please Call Sales Office

PVCB reinforced braided hose is a quality product range offering both high working pressures and extreme flexibility.

This hose is suitable for a wide range of industrial applications including factory airlines, pneumatic and hydraulic applications, food and drinks industry, chemicals and water.



	Availability	Hose ID mm	Hose OD mm	Colour	Working Pressure bar
PVCB 3C	📞	3	8	Clear	32
PVCB 4C	📞	4	9	Clear	27
PVCB 5C	📞	5	10	Clear	20
PVCB 5N	📞	5	10	Black	20
PVCB 6C	📞	6	11	Clear	10
PVCB 6N	📞	6	11	Black	10
PVCB 6R	📞	6	11	Red	10
PVCB 6B	📞	6	11	Blue	10
PVCB 6G	📞	6	11	Green	10
PVCB 6Y	📞	6	11	Yellow	10
PVCB 8C	📞	8	12	Clear	10
PVCB 8N	📞	8	12	Black	10
PVCB 8R	📞	8	12	Red	10
PVCB 8B	📞	8	12	Blue	10
PVCB 8G	📞	8	12	Green	10
PVCB 8Y	📞	8	12	Yellow	10
PVCB 10C	📞	10	14	Clear	10
PVCB 10N	📞	10	14	Black	10
PVCB 10R	📞	10	14	Red	10
PVCB 10B	📞	10	14	Blue	10
PVCB 10G	📞	10	14	Green	10
PVCB 10Y	📞	10	14	Yellow	10
PVCB 12C	📞	12	18	Clear	10
PVCB 12N	📞	12	18	Black	10
PVCB 12R	📞	12	18	Red	10
PVCB 12B	📞	12	18	Blue	10
PVCB 12G	📞	12	18	Green	10
PVCB 12Y	📞	12	18	Yellow	10
PVCB 16C	📞	16	22	Clear	10
PVCB 16N	📞	16	22	Black	10
PVCB 19C	📞	19	25	Clear	10
PVCB 19N	📞	19	25	Black	10
PVCB 19R	📞	19	25	Red	10
PVCB 19B	📞	19	25	Blue	10
PVCB 25C	📞	25	32	Clear	10
PVCB 25N	📞	25	32	Black	10
PVCB 32C	📞	32	42	Clear	6
PVCB 38C	📞	38	49	Clear	6
PVCB 50C	📞	50	62	Clear	3

### Technical Data

#### Standard Coil Lengths

30 metres

Other lengths available on request

#### Materials

PVCB is manufactured from crystal clear PVC compound, and is reinforced with 1000 denier polyester fibre yarn

#### Operating Temperature

-15°C to +60°C

#### Working Pressure

Values stated are based on the short term burst pressure of PVC at 20°C using a 3:1 safety factor.

For data over 20°C, contact our sales office

#### Bend Radius

For information regarding this data, contact our sales office

#### Chemical Resistance

Resistant to most oxidising and reducing agents including dilute acids and alkalis.

For further information, contact our sales office

#### Approvals

Raw materials used have FDA, BGA and BIPRA approval for use with food stuffs

#### Technical Advice

For assistance, contact our technical office or your local Camozzi distributor.

# PVC Hose

## 30m Coils

PVC unreinforced hose is a quality product range offering extreme flexibility.

This hose is suitable for a wide range of applications including chemical delivery, laboratory use, sight glasses, instrumentation, drainage hoses and the delivery of food and beverages (beer).

- ✓ Ex Stock
- 🔧 UK Assembly
- 📞 Please Call Sales Office



### Technical Data

#### Standard Coil Lengths

30 metres

Other lengths available on request

#### Materials

PVC is manufactured from crystal clear PVC compound

#### Operating Temperature

-15°C to +60°C

#### Working Pressure

For pressure applications we recommend the use of reinforced PVCB tubing.

Unreinforced PVC is NOT recommended for use in pressure applications

#### Bend Radius

For information regarding this data, contact our sales office

#### Chemical Resistance

Resistant to most oxidising and reducing agents including dilute acids and alkalis.

For further information, contact our sales office

#### Approvals

Raw materials used have FDA, BGA and BIPRA approval for use with foodstuffs

#### Technical Advice

For assistance, contact our technical office or your local Camozzi distributor.

	Availability	Hose ID mm	Hose OD mm	Colour
PVCL 3C	📞	3	6	Clear
PVCL 5C	📞	5	8	Clear
PVCL 6C	📞	6	9	Clear
PVCL 8C	📞	8	11	Clear
PVCL 10C	📞	10	13	Clear
PVCL 12C	📞	12	15	Clear
PVCL 16C	📞	16	19	Clear
PVCM 4C	📞	4	10	Clear
PVCM 5C	📞	5	11	Clear
PVCM 6C	📞	6	12	Clear
PVCM 8C	📞	8	14	Clear
PVCM 10C	📞	10	16	Clear
PVCM 22C	📞	22	28	Clear
PVCM 25C	📞	25	31	Clear
PVCH 38C	📞	38	47	Clear



Main



Section

# PV Tubing

## 25m Coils

PV tubing is manufactured from high quality PVC. PV tubing is flexible and lightweight, making it ideally suited to a wide range of industrial applications, particularly air tools. For use with Rapid fitting and pipe adaptors.

- ✓ Ex Stock
- 🔧 UK Assembly
- 📞 Please Call Sales Office



### Technical Data

#### Standard Coil Lengths

25 metres

#### Materials

PV is manufactured from high quality PVC

#### Operating Temperature

-10°C to +60°C

Brittle temperature: -20°C

#### Working Pressure

Values stated are based on the short term burst pressure of PVC at 30°C. For data over 30°C, contact our sales office

#### Bend Radius

For information regarding this data, contact our sales office

#### Chemical Resistance

Resistant to most oxidising and reducing agents including dilute acids and alkalis.

For further information, contact our sales office

#### Technical Advice

For assistance, contact our technical office or your local Camozzi distributor.

Flexible PVC Tubing - Metric	OD	ID	Colour	Working	Working	
Availability	mm	mm		Pressure psi	Pressure bar	
PV 6/4	✓	6	4	Blue	375	25
PV 8/6	✓	8	6	Blue	375	25
PV 10/8	✓	10	8	Blue	375	25
PV 12/10	✓	12	10	Blue	375	25
PV 15/12.5	✓	15	12.5	Blue	375	25

# Pneumatic Polyurethane Tubing

## 30m Coils

PU tubing is manufactured from ester based polyurethane. PU tubing is ideally suited for use with Rapid and push-in fittings, but is also suitable for a wide range of industrial applications, particularly industrial robotics, control instrumentation and hydraulic lines.

- ✓ Ex Stock
- 🔧 UK Assembly
- 📞 Please Call Sales Office



### Technical Data

#### Standard Coil Lengths

30 metres

Other lengths available on request

#### Materials

PU is manufactured from 100% ester based polyurethane

#### Operating Temperature

-50°C to +80°C

Note: in hot and humid conditions, hydrolysis will occur

#### Working Pressure

Values stated are based on the short term burst pressure of PU at 20°C. For data over 20°C, contact our sales office

#### Bend Radius

For information regarding this data, contact our sales office

#### Chemical Resistance

Resistant to most fuels, oils, greases and many other solvents, chemicals and gases.

For further information, contact our sales office

#### Technical Advice

For assistance, contact our technical office or your local Camozzi distributor.

Polyurethane Tubing - Metric	OD	ID	Working	Working	
Availability	mm	mm	Pressure psi	Pressure bar	
PU 4/2.5	✓	4	2.5	190	12
PU 6/4	✓	6	4	160	10
PU 8/5	✓	8	5	160	10
PU 10/7.5	✓	10	7.5	120	8
PU 12/9	✓	12	9	120	8

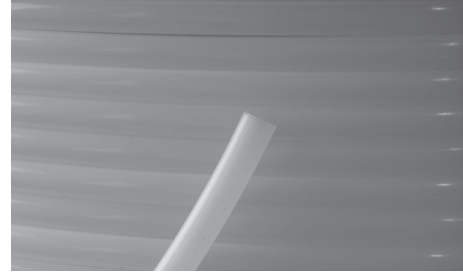
Available in the following colours: blue (standard), clear, black, red, green and white  
Please state colour when ordering.

# PTFE Tubing

## 50m and 100m Coils

PTFE tubing is manufactured from polytetrafluoroethylene granules. PTFE tubing is ideally suited to the transport of harsh chemicals, printing equipment, analytical instruments, environmental monitoring equipment and abrasion protection.

- ✓ Ex Stock
- ✎ UK Assembly
- 📞 Please Call Sales Office



TUBING



PTFE Tubing - Metric		OD	ID	Working Pressure psi	Working Pressure bar
	Availability	mm	mm		
PT 4/2.5	📞	4	2.5	180	12
PT 6/4	📞	6	4	180	12
PT 8/6	📞	8	6	135	9
PT 10/8	📞	10	8	105	7
PT 12/10	📞	12	10	75	5

**Technical Data**  
**Standard Coil Lengths**  
100 metres  
25m and 50m available on request

**Materials**  
PTFE is manufactured from polytetrafluoroethylene granules

**Operating Temperature**  
-200°C to +260°C  
Melting point: +327°C

**Working Pressure**  
Values stated are based on the short term burst pressure of PTFE at 20°C using a safety factor of 4:1. For data over 20°C, contact our sales office

**Bend Radius**  
For information regarding this data, contact our sales office

**Chemical Resistance**  
PTFE tubing is suitable for use with virtually any corrosive material. For further information, contact our sales office

**Technical Advice**  
For assistance, contact our technical office or your local Camozzi distributor.

### Accessories



Tube Cutters	
PNZ 12	✓
PNZ 25	✓



Plastic Tube Cutters	
PNZP-12	✓



Tube Clamp		
MPL	4	✓
MPL	6	✓
MPL	8	✓
MPL	10	✓



For Cylinders  
from page 1



For Valves  
from page 69



For Fittings  
from page 254



# Pneumatic Symbols

Symbol	Type	Symbol	Type
<b>CYLINDERS</b>			
CD01	 Double-acting cylinder, fixed cushions	CS01	 Single-acting cylinder, front spring
CD02	 Double-acting cylinder, cushioned	CS02	 Single-acting cylinder, front spring
CD03	 Double-acting cylinder, adjustable rear cushion	CS03	 Single-acting cylinder, non cushioned
CD04	 Double-acting cylinder, adjustable front cushion	CS04	 Single-acting cylinder, through-rod
CD05	 Double-acting cylinder, through-rod, fixed cushions	CS05	 Single-acting cylinder, through-rod, adjustable cushion
CD06	 Double-acting cylinder, through-rod, adjustable front and rear cushion	CS06	 Single-acting cylinder, magnetic
CD07	 Double-acting cylinder, magnetic	CS07	 Single-acting cylinder, front spring, adjustable rear cushion
CD08	 Double-acting cylinder, magnetic, fixed cushions	CS08	 Single-acting cylinder, rear spring, magnetic
CD09	 Double-acting cylinder, magnetic, adjustable cushions in both directions	CS09	 Single-acting cylinder, magnetic, front spring
CD10	 Double-acting cylinder, magnetic, adjustable rear cushion	CS10	 Single-acting cylinder, through-rod
CD11	 Double-acting cylinder, magnetic, adjustable front cushion	CS11	 Single-acting cylinder, through-rod, adjustable rear cushion
CD12	 Double-acting cylinder, magnetic, through-rod, fixed cushions	CS12	 Single-acting cylinder, front spring, adjustable rear cushion
CD13	 Double-acting cylinder, magnetic, through-rod, adjustable cushions in both directions	CS13	 Single-acting cylinder, through-rod, adjustable rear cushion
CD14	 Double-acting cylinder, magnetic, through-rod	HI01	 Hydrocheck, regulated rod thrust
CD15	 Magnetic twin rod cylinders	HI02	 Hydrocheck, regulated rod return
CD16	 Magnetic twin through-rod cylinders	HI03	 Hydrocheck, regulated rod thrust with stop valve
CD17	 Double-acting rotary cylinder	HI04	 Hydrocheck, regulated rod return with stop valve
CD18	 Double-acting rotary cylinder, magnetic	HI05	 Hydrocheck, regulated rod thrust with skip valve
CD19	 Single-acting rotary cylinder	HI06	 Hydrocheck, regulated rod return with skip valve
CD2T	 Magnetic tandem cylinder, two stages, fixed cushions single rear supply, sole front supply	HI07	 Hydrocheck, regulated rod thrust with skip and stop valve
CD3T	 Magnetic tandem cylinder, three stages, fixed cushions single rear supply, sole front supply	HI08	 Hydrocheck, regulated rod return with skip and stop valve
CD4T	 Magnetic tandem cylinder, four stages, fixed cushions single rear supply, sole front supply	PNZ1	 Double-acting magnetic grippers
CD5T	 Magnetic tandem cylinder, two stages, fixed cushions, separated rear supplies, sole front supply	RDLK	 Rod lock device
CD6T	 Magnetic tandem cylinder, three stages, fixed cushions, single rear supplies, sole front supply	<b>SOLENOID VALVES</b>	
CD7T	 Magnetic tandem cylinder, two stages, fixed cushions, single rear supplies, sole front supply	EV01	 Directly operated solenoid valve, 2/2 NC
CD8T	 Magnetic tandem cylinder, two stages, fixed cushions, separated rear and front supplies	EV02	 Directly operated solenoid valve, 2/2 NO
CD9T	 Non magnetic tandem cylinder, two stages, fixed cushions, separated rear and front supplies	EV03	 Directly operated solenoid valve, 3/2 NC
CDPP	 Magnetic multi-position cylinder, fixed cushions	EV04	 Directly operated solenoid valve, 3/2 NC, monostable, with manual override
CDSS	 Double-acting rodless cylinder, magnetic	EV05	 Directly operated solenoid valve, 3/2 NO

Symbol	Type
<b>SOLENOID VALVES</b>	
EV06	Directly operated solenoid valve, 3/2 NO, monostable, with manual override
EV07	Solenoid valve, 3/2 NC with quick exhaust
EV08	Directly operated solenoid valve, 3/2 NC, bistable, with manual override
EV09	Directly operated solenoid valve, 3/2 NO, bistable, with manual override
EV10	Solenoid valve, 3/2 NC, monostable, with bistable manual override
EV11	Solenoid valve, 3/2, monostable, solenoid pilot with separate air supply and bistable manual override
EV12	Solenoid valve, 3/2 NO, monostable, with bistable manual override
EV13	Solenoid valve, 3/2, monostable, solenoid pilot with separate air supply and bistable manual override
EV14	Solenoid valve, 3/2, bistable, with manual override bistable
EV15	Solenoid valve, 3/2, bistable, solenoid pilot with separate air supply and bistable manual override
EV16	Solenoid valve, 3/2 NC, monostable, (pneumatic spring) and bistable manual override
EV17	Solenoid valve, 3/2 NO, monostable, (pneumatic spring) and bistable manual override
EV18	Solenoid valve, 5/2, monostable, with bistable manual override
EV19	Solenoid valve, 5/2, monostable, solenoid pilot with separate air supply and bistable manual override
EV20	Solenoid valve, 5/2, monostable, (pneumatic spring) and manual override
EV21	Solenoid valve, 5/2, monostable, (pneumatic spring) and bistable manual override
EV22	Solenoid valve, 5/2, monostable, solenoid pilot with separate air supply, pneumatic spring and bistable manual override
EV23	Solenoid valve, 5/2, bistable, with bistable manual override
EV24	Solenoid valve, 5/2, bistable, with manual override
EV25	Solenoid valve, 5/2, bistable, solenoid pilot with separate air supply and bistable manual override
EV26	Solenoid valve, 5/2, bistable, solenoid pilot with separate air supply and bistable manual override
EV27	Solenoid valve, 5/3 CC, with manual override
EV28	Solenoid valve, 5/3 CC, with bistable manual override
EV29	Solenoid valve, 5/3, solenoid pilot with separate air supply and bistable manual override
EV30	Solenoid valve, 5/3, solenoid pilot with separate air supply and bistable manual override
EV31	Solenoid valve, 5/3 CO, with manual override
EV32	Solenoid valve, 5/3 CO, with bistable manual override
EV33	Solenoid valve, 5/3 CO, solenoid pilot with separate air supply and bistable manual override
EV34	Solenoid valve, 5/3 CO, solenoid pilot with separate air supply and bistable manual override
EV35	Solenoid valve, 5/3 CP, with manual override

Symbol	Type
<b>SOLENOID VALVES</b>	
EV36	Solenoid valve, 5/3 CP, with bistable manual override
EV37	Solenoid valve, 5/3 CP, solenoid pilot with separate air supply and bistable manual override
EV38	Solenoid valve, 5/3 CP, solenoid pilot with separate air supply and bistable manual override
EV39	Double solenoid valve, 3/2 NC, monostable, with bistable manual override
EV40	Double solenoid valve, 3/2, monostable, solenoid pilot with separate air supply and bistable manual override
EV41	Double solenoid valve, 3/2 NO, monostable, with bistable manual override
EV42	Double solenoid valve, 3/2, monostable, solenoid pilot with separate air supply and bistable manual override
EV43	Double solenoid valve, 3/2 NC, NO, monostable, with bistable manual override
EV44	Double solenoid valve, 3/2, monostable, solenoid pilot with separate air supply and bistable manual override
EV45	Directly operated solenoid valve, 3/2, possible universal use, reversed printed ports 1 and 2 on the body
EV46	Indirectly operated solenoid valve, 2/2 NO
EV47	Directly operated solenoid valve, 2/2 NC, with linked diaphragm
EV48	Indirectly operated solenoid valve, 2/2 NC
EV49	Indirectly operated Booster solenoid valve, 2/2 NC
EV50	Indirectly operated Booster solenoid valve, 2/2 NO
EV51	Indirectly operated Booster solenoid valve, 3/2 NC
EV52	Indirectly operated Booster solenoid valve, 3/2 NO

**PROPORTIONAL VALVES**

ER01	Proportional regulator
AP01	Directly operated proportional valve
LR1	Servo valves
K8P1	Series K8P proportional micro-valve

**PNEUMATICALLY OPERATED VALVES**

VP01	Pneumatically operated valve, 3/2, monostable, mechanical spring
VP02	Pneumatically operated valve, 3/2, bistable
VP03	Pneumatically operated valve, 3/2, preferential
VP04	Pneumatically operated valve, 5/2, monostable, mechanical spring
VP05	Pneumatically operated valve, 5/2, preferential

Symbol	Type
<b>PNEUMATICALLY OPERATED VALVES</b>	
VP06 	Pneumatically operated valve, 5/2, bistable
VP07 	Pneumatically operated valve, 5/2, monostable, pneumatic spring
VP08 	Pneumatically operated valve, 5/3 CC
VP09 	Pneumatically operated valve, 5/3 CO
VP10 	Pneumatically operated valve, 5/3 CP
VP11 	Pneumatically operated double valve, 3/2, monostable
VP12 	Pneumatically operated double valve, 3/2, monostable
VP13 	Pneumatically operated double valve, 3/2, monostable

<b>MECHANICALLY OPERATED VALVES</b>	
VM01 	Mechanically operated valve, plunger actuation, 3/2 NC, monostable, mechanical spring
VM02 	Mechanically operated valve, plunger actuation, 3/2, monostable, mechanical spring
VM03 	Mechanically operated valve, lever/roller actuation, 3/2 NO, monostable, mechanical spring
VM04 	Mechanically operated valve, lever/roller actuation, 3/2 NC, monostable, mechanical spring
VM05 	Mechanically operated valve, lever/roller actuation, 3/2, monostable, mechanical spring
VM06 	Mechanically operated valve, lever/roller actuation, 3/2 NO, monostable, mechanical spring
VM07 	Mechanically operated valve, unidirectional lever actuation, 3/2 NC, monostable, mechanical spring
VM08 	Mechanically operated valve, unidirectional lever actuation, 3/2 monostable, mechanical spring
VM09 	Mechanically operated valve, plunger actuation, 5/2, monostable, mechanical spring
VM10 	Mechanically operated valve, plunger actuation, 5/2, monostable, mechanical spring
VM11 	Mechanically operated valve, lever/roller actuation, 5/2, monostable, mechanical spring
VM12 	Mechanically operated valve, lever/roller actuation, 5/2, monostable, mechanical spring
VM13 	Mechanically operated valve, unidirectional lever actuation, 5/2, monostable, mechanical spring
VM14 	Mechanically operated sensor valve, 3/2 NO, monostable, mechanical spring
VM15 	Mechanically operated sensor valve, 3/2 NC, monostable, mechanical spring
VM16 	Mechanically operated sensor valve, plunger actuation, 5/2, monostable, mechanical spring
VM17 	Mechanically operated sensor valve, 5/2, monostable, mechanical spring
VM18 	Mechanically operated sensor valve, plunger actuation, 5/2, bistable
VM19 	Mechanically operated sensor valve, lever/roller actuation, 5/2, monostable, mechanical spring
VM20 	Mechanically operated sensor valve, lever/roller actuation, 5/2, bistable
VM21 	Mechanically operated valve, front actuation, 5/2 NC, monostable, mechanical spring

Symbol	Type
<b>MANUALLY OPERATED VALVES</b>	
VN01 	Manually operated valve, 3/2, bistable
VN02 	Manually operated valve, 3/2, bistable, lockable in two positions
VN03 	Manually operated valve, 3/2, bistable
VN04 	Manually operated valve, 3/2 NC, monostable, mechanical spring
VN05 	Manually operated valve, 3/2 NO, monostable, mechanical spring
VN06 	Manually operated valve, 3/2, monostable, mechanical spring
VN07 	Manually operated lever valve, 3/2, bistable
VN08 	Manually operated lever valve, 3/2, bistable
VN09 	Manually operated lever valve, 3/2 NC, monostable, mechanical spring
VN10 	Manually operated lever valve, 3/2, bistable
VN11 	Manually operated lever valve, 3/2, monostable, mechanical spring
VN12 	Pedal operated valve, 3/2 NC, monostable, mechanical spring
VN13 	Manually operated valve, 5/2, bistable
VN14 	Manually operated valve, 5/2, monostable, mechanical spring
VN15 	Manually operated lever valve, 5/2, bistable
VN16 	Manually operated lever valve, 5/2, bistable
VN17 	Manually operated lever valve, 5/2, monostable, mechanical spring
VN18 	Pedal operated valve, 5/2, bistable
VN19 	Pedal operated valve, 5/2, monostable, bistable
VN20 	Manually operated lever valve, 5/3 CC, stable
VN21 	Manually operated lever valve, 5/3 CC, monostable
VN22 	Manually operated lever valve, 5/3 CO, stable
VN23 	Manually operated lever valve, 5/3 CO, stable
VN24 	Manually operated lever valve, 5/3 CO, monostable
VN25 	Manually operated lever valve, Joystick

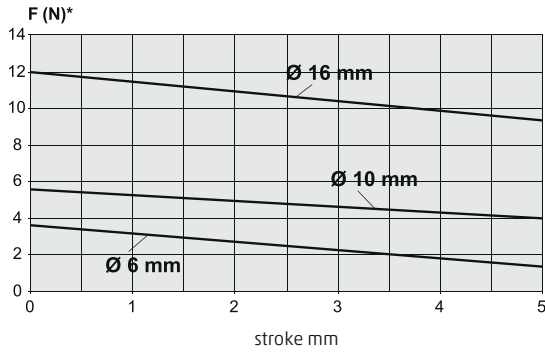
<b>PNEUMATIC LOGIC VALVES</b>	
AND1 	"AND" pneumatic symbol
AND2 	"AND" logical symbol
OR01 	"OR" pneumatic symbol and circuit selector
OR02 	"OR" logical symbol

Symbol	Type
<b>PNEUMATIC LOGIC VALVES</b>	
YES1	"YES" pneumatic symbol
YES2	"YES" logical symbol
NOT1	"NOT" pneumatic symbol
NOT2	"NOT" logical symbol
MEM1	"MEMORY" pneumatic symbol
MEM2	"MEMORY" logical symbol
AMP1	Signal amplifier, 3/2 NC, mechanical spring return
2LB1	Jet interruption sender sensor
2LB2	Jet interruption receiver sensor
<b>AUTOMATIC VALVES</b>	
VMP1	Maximum pressure valve
VSC1	Quick exhaust valves
VBU1	Unidirectional blocking valves
VB01	Bidirectional blocking valves
VNR1	Non return valves
VNV1	Check valve
<b>FLOW CONTROL VALVES</b>	
RFU1	Unidirectional flow control valve
RFO1	Bidirectional flow control valve
RP01	Unidirectional flow control valve
RP02	Unidirectional flow control valve
RP03	Bidirectional flow control valve
<b>PRESSURE SWITCHES AND VACUUM SWITCHES</b>	
PMNA	Pressure switch, Normally Open (NO)
PMNC	Pressure switch, Normally Closed (NC)
PMSC	Pressure switch with exchange contacts
PMTV	Pressure switch with setting visual scale
TRP1	Electro-pneumatic transducer
SEG1	Pressure indicator
CAP1	Capacity

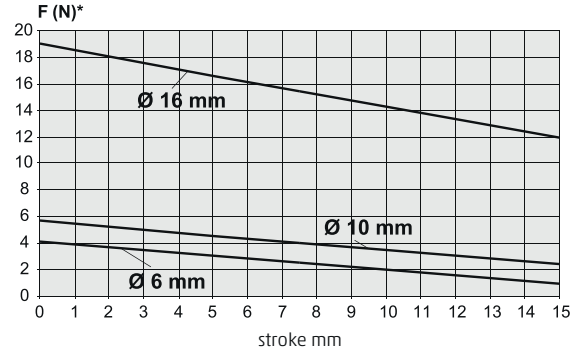
Symbol	Type
<b>SILENCIER</b>	
SIL1	Silencier
RSW1	Silenced exhaust controller
<b>FRL</b>	
FT01	Filter without drain
FT02	Filter with manual drain
FT03	Filter with automatic drain
FA01	Coalescing filter without drain
FA02	Coalescing filter with manual drain
FA03	Coalescing filter with automatic drain
FC01	Absorption function without cup hole
PR01	Regulator without relieving
PR02	Regulator with relieving
PR03	Regulator with relieving and by-pass valve
PR04	Regulator with relieving and with by-pass valve
PR05	Regulator without relieving and with pressure gauge
PR06	Regulator with relieving and with pressure gauge
LU01	Lubricator
FR01	Filter-regulator with relieving and manual drain
FR02	Filter-regulator with relieving and without drain
FR03	Filter-regulator with relieving, manual drain and pressure gauge
FR04	Filter-regulator with relieving, without drain and with pressure gauge
FR05	Filter-regulator with relieving, automatic drain and pressure gauge
FR10	Filter-regulator with manual drain, without relieving and with pressure gauge
FR11	Filter-regulator with manual drain and without relieving
FR18	Filter-regulator with relieving and automatic drain
FR19	Manifold pressure regulator
VN02	Lockable isolation valve
AVP1	Soft start valve
BL01	Take-off block
BL02	Take-off block with VNR
<b>VACUUM</b>	
VU01	In-line ejector
VU02	Silenced in-line ejector
VEN1	Suction pad
FT04	Cup filter

# Spring loads cylinders

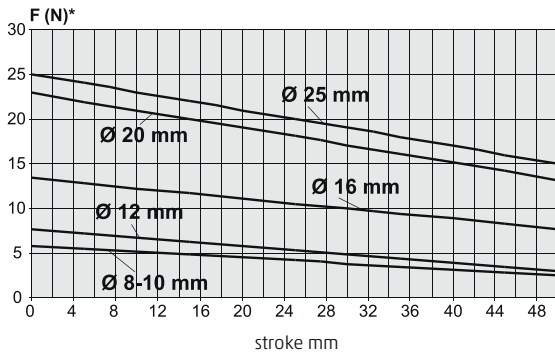
Series 14 - stroke 5 mm



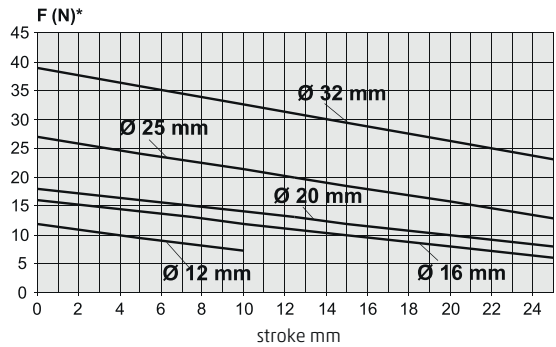
Series 14 - stroke 10 and 15 mm



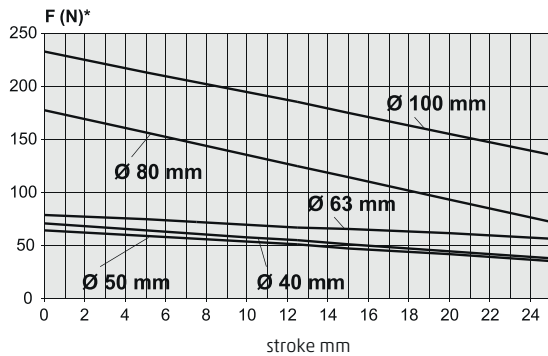
Series 16-24



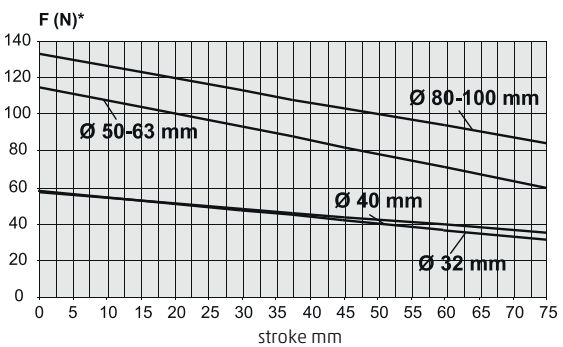
Series 31-32



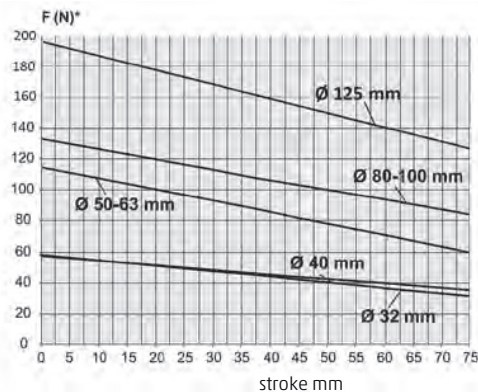
Series 31-32



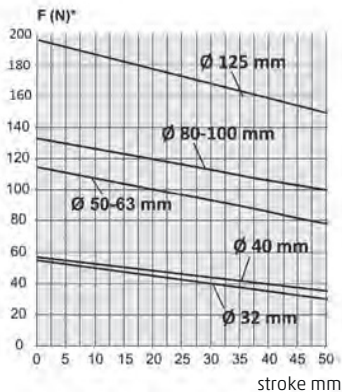
Series 60-61-42-90



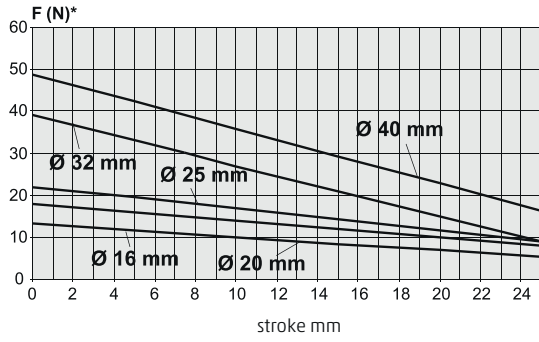
Series 63 - front spring



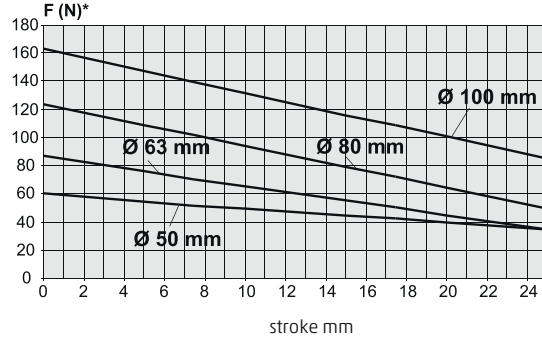
Series 63 - rear spring



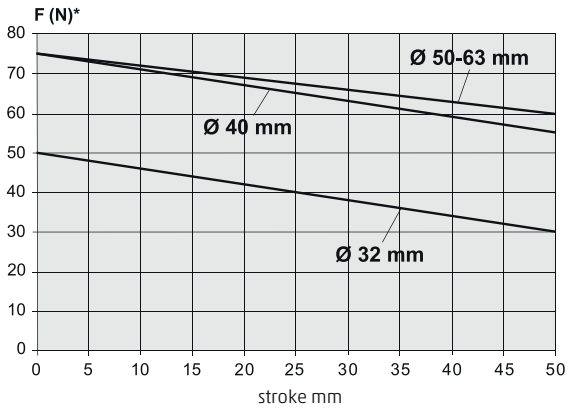
**Series QP**



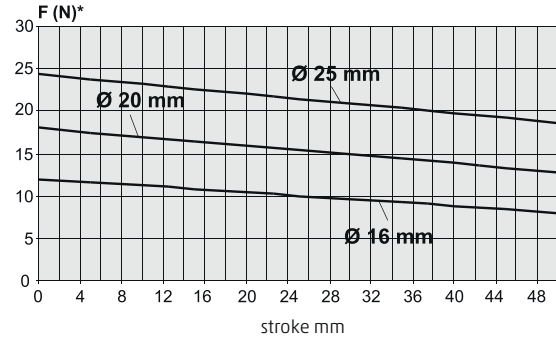
**Series QP**



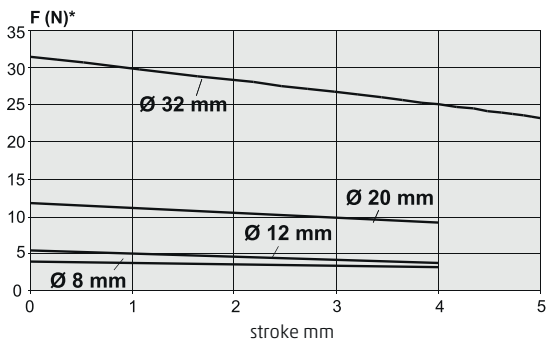
**Series 90-97**



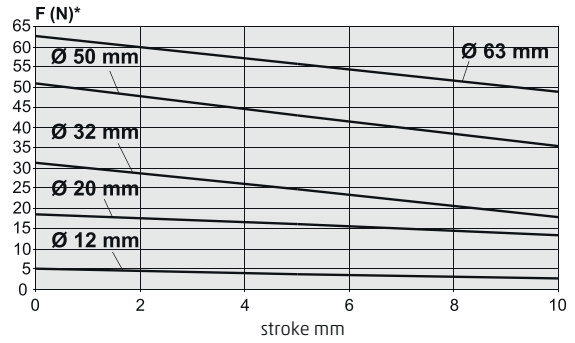
**Series 94**



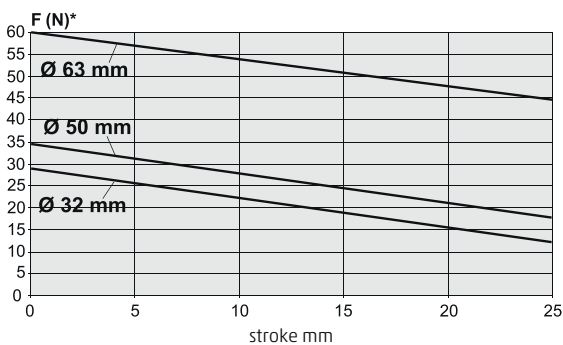
**Series QN - stroke 4 and 5 mm**



**Series QN - stroke 10 mm**



**Series QN - stroke 25 mm**

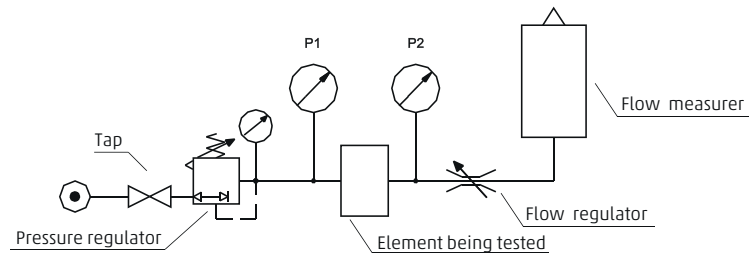


# Flow and speed cylinders

## Valves and solenoid valves

Flow survey instruments.

The flow rate indicated in the catalogue is obtained with  
P1 = 6 bar and P2 = 5 bar.



## Maximum speeds obtainable combining a certain flow regulator (mm/sec) with a cylinder

Mod.	Cylinders diameter (mm)						
	32	40	50	63	80	100	125
GSCU-1/8"; GSVU-1/8"; GMCU-1/8"; GSCU-1/8"	1000	986	629	395	246	158	100
GSCU-1/4"; GSVU-1/4"; GMCU-1/4"; GSCU-1/4"	-	1000	911	573	357	229	145
RFU 452 M5	204	-	-	-	-	-	-
RFU 482-1/8"	227	145	93	58	36	-	-
RFU 483-1/8"	520	333	212	133	83	53	-
RFU 444-1/4"	-	739	471	296	185	118	75
RFU 446-1/4"	-	-	847	532	332	213	135
SCU M5 - SVU M5	154	-	-	-	-	-	-
SCU-1/4"; SVU-1/4"; MCU-1/4"; MVU-1/4"	-	1000	660	415	259	166	105
SCU-1/8"; SVU-1/8"; MCU-1/8"; MVU-1/8"	604	387	247	155	97	62	-
SCU-3/8"; MCU-3/8"	-	-	-	622	388	249	158
SCU-1/2"; MCU-1/2"	-	-	-	-	1000	869	-

## To obtain the above indicated speeds, the connected tubing should have a certain diameter and not exceed, if indicated, the max length (m)

Mod.	Tube diameter (mm) and max length (m)				
	4/2	6/4	8/6	10/8	12/10
GSCU-1/8"; GSVU-1/8"; GMCU-1/8"; GSCU-1/8"	-	0,4	8	25	-
GSCU-1/4"; GSVU-1/4"; GMCU-1/4"; GSCU-1/4"	-	-	4,5	18	24
RFU 452 M5	3,5	25	-	-	-
RFU 482-1/8"	3	25	-	-	-
RFU 483-1/8"	0,25	10	-	-	-
RFU 444-1/4"	-	2	17	-	-
RFU 446-1/4"	-	-	5	20	-
SCU M5 - SVU M5	5	-	-	-	-
SCU-1/4"; SVU-1/4"; MCU-1/4"; MVU-1/4"	-	0,4	8	25	-
SCU-1/8"; SVU-1/8"; MCU-1/8"; MVU-1/8"	-	7	-	-	-
SCU-3/8"; MCU-3/8"	-	-	3,5	-	-
SCU-1/2"; MCU-1/2"	-	-	-	0,25	3,5

## Air flow required by the valve (6 bar) to obtain the above indicated speeds (NI/min)

Mod.	Cylinders diameter (mm)						
	32	40	50	63	80	100	125
GSCU-1/8"; GSVU-1/8"; GMCU-1/8"; GSCU-1/8"	336	517	517	517	517	517	517
GSCU-1/4"; GSVU-1/4"; GMCU-1/4"; GSCU-1/4"	-	525	750	750	750	750	750
RFU 452 M5	69	-	-	-	-	-	-
RFU 482-1/8"	76	76	76	76	76	-	-
RFU 483-1/8"	175	175	175	175	175	175	-
RFU 444-1/4"	-	388	388	388	388	388	388
RFU 446-1/4"	-	-	697	697	697	697	697
SCU M5 - SVU M5	52	-	-	-	-	-	-
SCU-1/4"; SVU-1/4"; MCU-1/4"; MVU-1/4"	-	525	543	543	543	543	543
SCU-1/8"; SVU-1/8"; MCU-1/8"; MVU-1/8"	203	203	203	203	203	203	-
SCU-3/8"; MCU-3/8"	-	-	-	815	815	815	815
SCU-1/2"; MCU-1/2"	-	-	-	-	2100	2846	-

# Output forces double-acting cylinders

## Thrust side

Values in Newton

SERIES >		16	24	25	27	31	32	QP	QN	QCT	QCB	QCBF	QCTF	40	41	42	50	52	60	61	62	63	90	92	94	95	97							
∅	Thrust side	Pressure																																
		MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)						
mm	cm <sup>2</sup>	0,10 (1)	0,20 (2)	0,30 (3)	0,40 (4)	0,50 (5)	0,60 (6)	0,70 (7)	0,80 (8)	0,90 (9)	1 (10)																							
8	0,50	4,44	8,9	13,3	17,7	22,2	26,6	31,0	35,5	39,9	44,4																							
10	0,79	6,93	13,9	20,8	27,7	34,7	41,6	48,5	55,4	62,4	69,3																							
12	1,13	9,98	20,0	29,9	39,9	49,9	59,9	69,9	79,8	89,8	99,8																							
16	2,01	17,74	35,5	53,2	71,0	88,7	106,5	124,2	141,9	159,7	177,4																							
20	3,14	27,72	55,4	83,2	110,9	138,6	166,3	194,1	221,8	249,5	277,2																							
25	4,91	43,32	86,6	130,0	173,3	216,6	259,9	303,2	346,5	389,9	433,2																							
32	8,04	70,97	141,9	212,9	283,9	354,9	425,8	496,8	567,8	638,7	709,7																							
40	12,56	110,89	221,8	332,7	443,6	554,5	665,4	776,2	887,1	998,0	1108,9																							
50	19,63	173,27	346,5	519,8	693,1	866,3	1039,6	1212,9	1386,2	1559,4	1732,7																							
63	31,16	275,08	550,2	825,2	1100,3	1375,4	1650,5	1925,6	2200,7	2475,7	2750,8																							
80	50,24	443,57	887,1	1330,7	1774,3	2217,8	2661,4	3105,0	3548,6	3992,1	4435,7																							
100	78,50	693,08	1386,2	2079,2	2772,3	3465,4	4158,5	4851,5	5544,6	6237,7	6930,8																							
125	122,66	1082,93	2165,9	3248,8	4331,7	5414,7	6497,6	7580,5	8663,5	9746,4	10829,3																							
160	200,96	1774,28	3548,6	5322,8	7097,1	8871,4	10645,7	12419,9	14194,2	15968,5	17742,8																							
200	314,00	2772,31	5544,6	8316,9	11089,2	13861,5	16633,8	19406,1	22178,4	24950,8	27723,1																							
250	490,62	4331,73	8663,5	12995,2	17326,9	21658,6	25990,4	30322,1	34653,8	38985,6	43317,3																							
320	803,84	7097,10	14194,2	21291,3	28388,4	35485,5	42582,6	49679,7	56776,8	63873,9	70971,0																							

SERIES >		QX											
∅	Thrust side	Pressure											
		MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)
mm	cm <sup>2</sup>	0,10 (1)	0,20 (2)	0,30 (3)	0,40 (4)	0,50 (5)	0,60 (6)	0,70 (7)	0,80 (8)	0,90 (9)	1 (10)		
10	1,58	14,22	28,44	42,66	56,88	71,1	85,32	99,54	113,76	127,98	142,2		
16	4,02	35,48	71	106,4	142	177,4	213	248,4	283,8	319,4	354,8		
20	6,28	55,44	110,8	166,4	221,8	277,2	332,6	388,2	443,6	499	554,4		
25	9,82	86,64	173,2	260	346,6	433,2	519,8	606,4	693	779,8	866,4		
32	16,08	141,94	283,8	425,8	567,8	709,8	851,6	993,6	1135,6	1277,4	1419,4		

## Traction side

Values in Newton

SERIES >		16	24	25	40	41	42	60	61	62	63	90	92	94	95	97
∅	Thrust side	∅ rod	Traction side	Pressure												
				MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)	
mm	cm <sup>2</sup>	mm	cm <sup>2</sup>	0,10 (1)	0,20 (2)	0,30 (3)	0,40 (4)	0,50 (5)	0,60 (6)	0,70 (7)	0,80 (8)	0,90 (9)	1 (10)			
8	0,50	4	0,38	3,33	6,7	10,0	13,3	16,6	20,0	23,3	26,6	29,9	33,3			
10	0,79	4	0,66	5,82	11,6	17,5	23,3	29,1	34,9	40,8	46,6	52,4	58,2			
12	1,13	6	0,85	7,49	15,0	22,5	29,9	37,4	44,9	52,4	59,9	67,4	74,9			
16	2,01	6	1,73	15,25	30,5	45,7	61,0	76,2	91,5	106,7	122,0	137,2	152,5			
20	3,14	8	2,64	23,29	46,6	69,9	93,1	116,4	139,7	163,0	186,3	209,6	232,9			
25	4,91	10	4,12	36,39	72,8	109,2	145,5	181,9	218,3	254,7	291,1	327,5	363,9			
32	8,04	12	6,91	60,99	122,0	183,0	244,0	305,0	365,9	426,9	487,9	548,9	609,9			
40	12,56	16	10,55	93,15	186,3	279,4	372,6	465,7	558,9	652,0	745,2	838,3	931,5			
50	19,63	20	16,49	145,55	291,1	436,6	582,2	727,7	873,3	1018,8	1164,4	1309,9	1455,5			
63	31,16	20	28,02	247,36	494,7	742,1	989,4	1236,8	1484,2	1731,5	1978,9	2226,2	2473,6			
80	50,24	25	45,33	400,25	800,5	1200,8	1601,0	2001,3	2401,5	2801,8	3202,0	3602,3	4002,5			
100	78,50	25	73,59	649,76	1299,5	1949,3	2599,0	3248,8	3898,6	4548,3	5198,1	5847,8	6497,6			
125	122,66	32	114,62	1011,96	2023,9	3035,9	4047,8	5059,8	6071,8	7083,7	8095,7	9107,6	10119,6			
160	200,96	40	188,40	1663,38	3326,8	4990,2	6653,5	8316,9	9980,3	11643,7	13307,1	14970,5	16633,8			
200	314,00	40	301,44	2661,41	5322,8	7984,2	10645,7	13307,1	15968,5	18629,9	21291,3	23952,7	26614,1			
250	490,62	50	471,00	4158,46	8316,9	12475,4	16633,8	20792,3	24950,8	29109,2	33267,7	37426,1	41584,6			
320	803,84	63	772,68	6822,02	13644,0	20466,1	27288,1	34110,1	40932,1	47754,1	54576,2	61398,2	68220,2			

SERIES >		QX											
∅	Thrust side	∅ rod	Traction side	Pressure									
				MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)
mm	cm <sup>2</sup>	mm	cm <sup>2</sup>	0,10 (1)	0,20 (2)	0,30 (3)	0,40 (4)	0,50 (5)	0,60 (6)	0,70 (7)	0,80 (8)	0,90 (9)	1 (10)
10	1,58	6	1,0148	9,1332	18,2664	27,3996	36,5328	45,666	54,7992	63,9324	73,0656	82,1988	91,332
16	4,02	16	3,02	26,62	53,2	79,8	106,4	133	159,6	186,2	213	239,6	266,2
20	6,28	20	4,72	41,58	83,2	124,8	166,4	208	249,6	291	332,6	374,2	415,8
25	9,82	24	7,56	66,68	133,4	200	266,6	333,4	400	466,8	533,4	600	666,8
32	16,08	32	12,06	106,46	213	319,4	425,8	532,2	638,8	745,2	851,6	958,2	1064,6



## Traction side

Values in Newton

SERIES > 31 32													
Ø	Thrust side	Ø rod	Traction side	Pressure									
				MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)
mm	cm <sup>2</sup>	mm	cm <sup>2</sup>	0,10 (1)	0,20 (2)	0,30 (3)	0,40 (4)	0,50 (5)	0,60 (6)	0,70 (7)	0,80 (8)	0,90 (9)	1 (10)
12	1,13	6	0,85	7,49	15,0	22,5	29,9	37,4	44,9	52,4	59,9	67,4	74,9
16	2,01	8	1,51	13,31	26,6	39,9	53,2	66,5	79,8	93,1	106,5	119,8	133,1
20	3,14	10	2,36	20,79	41,6	62,4	83,2	104,0	124,8	145,5	166,3	187,1	207,9
25	4,91	10	4,12	36,39	72,8	109,2	145,5	181,9	218,3	254,7	291,1	327,5	363,9
32	8,04	12	6,91	60,99	122,0	183,0	244,0	305,0	365,9	426,9	487,9	548,9	609,9
40	12,56	12	11,43	100,91	201,8	302,7	403,6	504,6	605,5	706,4	807,3	908,2	1009,1
50	19,63	16	17,62	155,53	311,1	466,6	622,1	777,6	933,2	1088,7	1244,2	1399,7	1555,3
63	31,16	16	29,15	257,34	514,7	772,0	1029,4	1286,7	1544,0	1801,4	2058,7	2316,1	2573,4
80	50,24	20	47,10	415,85	831,7	1247,5	1663,4	2079,2	2495,1	2910,9	3326,8	3742,6	4158,5
100	78,50	25	73,59	649,76	1299,5	1949,3	2599,0	3248,8	3898,6	4548,3	5198,1	5847,8	6497,6

SERIES > QP													
Ø	Thrust side	Ø rod	Traction side	Pressure									
				MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)
mm	cm <sup>2</sup>	mm	cm <sup>2</sup>	0,10 (1)	0,20 (2)	0,30 (3)	0,40 (4)	0,50 (5)	0,60 (6)	0,70 (7)	0,80 (8)	0,90 (9)	1 (10)
12	1,13	6	0,85	7,49	15,0	22,5	29,9	37,4	44,9	52,4	59,9	67,4	74,9
16	2,01	8	1,51	13,31	26,6	39,9	53,2	66,5	79,8	93,1	106,5	119,8	133,1
20	3,14	10	2,36	20,79	41,6	62,4	83,2	104,0	124,8	145,5	166,3	187,1	207,9
25	4,91	10	4,12	36,39	72,8	109,2	145,5	181,9	218,3	254,7	291,1	327,5	363,9
32	8,04	12	6,91	60,99	122,0	183,0	244,0	305,0	365,9	426,9	487,9	548,9	609,9
40	12,56	16	10,55	93,15	186,3	279,4	372,6	465,7	558,9	652,0	745,2	838,3	931,5
50	19,63	16	17,62	155,53	311,1	466,6	622,1	777,6	933,2	1088,7	1244,2	1399,7	1555,3
63	31,16	20	28,02	247,36	494,7	742,1	989,4	1236,8	1484,2	1731,5	1978,9	2226,2	2473,6
80	50,24	25	45,33	400,25	800,5	1200,8	1601,0	2001,3	2401,5	2801,8	3202,0	3602,3	4002,5
100	78,50	25	73,59	649,76	1299,5	1949,3	2599,0	3248,8	3898,6	4548,3	5198,1	5847,8	6497,6

SERIES > 27													
Ø	Thrust side	Ø rod	Traction side	Pressure									
				MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)
mm	cm <sup>2</sup>	mm	cm <sup>2</sup>	0,10 (1)	0,20 (2)	0,30 (3)	0,40 (4)	0,50 (5)	0,60 (6)	0,70 (7)	0,80 (8)	0,90 (9)	1 (10)
20	3,14	8	2,64	23,29	46,6	69,9	93,1	116,4	139,7	163,0	186,3	209,6	232,9
25	4,91	10	4,12	36,39	72,8	109,2	145,5	181,9	218,3	254,7	291,1	327,5	363,9
32	8,04	12	6,91	60,99	122,0	183,0	244,0	305,0	365,9	426,9	487,9	548,9	609,9
40	12,56	16	10,55	93,15	186,3	279,4	372,6	465,7	558,9	652,0	745,2	838,3	931,5
50	19,63	16	17,62	155,53	311,1	466,6	622,1	777,6	933,2	1088,7	1244,2	1399,7	1555,3
63	31,16	20	28,02	247,36	494,7	742,1	989,4	1236,8	1484,2	1731,5	1978,9	2226,2	2473,6

SERIES > QCT QCB QCTF QCBF													
Ø	Thrust side	Ø rod	Traction side	Pressure									
				MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)
mm	cm <sup>2</sup>	mm	cm <sup>2</sup>	0,10 (1)	0,20 (2)	0,30 (3)	0,40 (4)	0,50 (5)	0,60 (6)	0,70 (7)	0,80 (8)	0,90 (9)	1 (10)
20	3,14	10	2,36	20,79	41,6	62,4	83,2	104,0	124,8	145,5	166,3	187,1	207,9
25	4,91	12	3,78	33,34	66,7	100,0	133,3	166,7	200,0	233,4	266,7	300,0	333,4
32	8,04	16	6,03	53,23	106,5	159,7	212,9	266,1	319,4	372,6	425,8	479,1	532,3
40	12,56	16	10,55	93,15	186,3	279,4	372,6	465,7	558,9	652,0	745,2	838,3	931,5
50	19,63	20	16,49	145,55	291,1	436,6	582,2	727,7	873,3	1018,8	1164,4	1309,9	1455,5
63	31,16	20	28,02	247,36	494,7	742,1	989,4	1236,8	1484,2	1731,5	1978,9	2226,2	2473,6

# Table showing air consumption of double-acting cylinders

## Thrust side

Values in NI for each 10 mm of stroke

SERIES >		16	24	25	27	31	32	QP	QCT	QCB	QCBF	QCTF	40	41	42	50	52	60	61	62	63	90	92	94	95	97	
∅	Thrust side	Pressure																									
		MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)
mm	cm <sup>2</sup>	0,10 (1)	0,20 (2)	0,30 (3)	0,40 (4)	0,50 (5)	0,60 (6)	0,70 (7)	0,80 (8)	0,90 (9)	1 (10)																
8	0,50	0,001	0,002	0,002	0,003	0,003	0,004	0,004	0,005	0,005	0,006	0,006	0,007	0,007	0,008	0,008	0,009	0,009	0,010	0,010	0,011	0,011	0,012	0,012	0,013	0,013	0,014
10	0,79	0,002	0,002	0,003	0,004	0,005	0,005	0,006	0,006	0,007	0,007	0,008	0,008	0,009	0,009	0,010	0,010	0,011	0,011	0,012	0,012	0,013	0,013	0,014	0,014	0,015	0,015
12	1,13	0,002	0,003	0,005	0,006	0,007	0,008	0,008	0,009	0,009	0,010	0,010	0,011	0,011	0,012	0,012	0,013	0,013	0,014	0,014	0,015	0,015	0,016	0,016	0,017	0,017	0,018
16	2,01	0,004	0,006	0,008	0,010	0,012	0,014	0,014	0,016	0,016	0,018	0,018	0,019	0,019	0,020	0,020	0,021	0,021	0,022	0,022	0,023	0,023	0,024	0,024	0,025	0,025	0,026
20	3,14	0,006	0,009	0,013	0,016	0,019	0,022	0,022	0,025	0,025	0,028	0,028	0,031	0,031	0,034	0,034	0,037	0,037	0,040	0,040	0,043	0,043	0,046	0,046	0,049	0,049	0,053
25	4,91	0,010	0,015	0,020	0,025	0,029	0,034	0,034	0,039	0,039	0,044	0,044	0,049	0,049	0,054	0,054	0,060	0,060	0,066	0,066	0,072	0,072	0,078	0,078	0,084	0,084	0,091
32	8,04	0,016	0,024	0,032	0,040	0,048	0,056	0,056	0,064	0,064	0,072	0,072	0,080	0,080	0,088	0,088	0,098	0,098	0,108	0,108	0,118	0,118	0,128	0,128	0,138	0,138	0,149
40	12,56	0,025	0,038	0,050	0,063	0,075	0,088	0,088	0,100	0,100	0,113	0,113	0,126	0,126	0,138	0,138	0,153	0,153	0,168	0,168	0,183	0,183	0,200	0,200	0,217	0,217	0,235
50	19,63	0,039	0,059	0,079	0,098	0,118	0,137	0,137	0,157	0,157	0,177	0,177	0,196	0,196	0,216	0,216	0,240	0,240	0,264	0,264	0,290	0,290	0,317	0,317	0,345	0,345	0,375
63	31,16	0,062	0,093	0,125	0,156	0,187	0,218	0,218	0,249	0,249	0,280	0,280	0,312	0,312	0,343	0,343	0,380	0,380	0,418	0,418	0,458	0,458	0,500	0,500	0,543	0,543	0,588
80	50,24	0,100	0,151	0,201	0,251	0,301	0,352	0,352	0,402	0,402	0,452	0,452	0,502	0,502	0,553	0,553	0,606	0,606	0,660	0,660	0,716	0,716	0,773	0,773	0,831	0,831	0,891
100	78,50	0,157	0,236	0,314	0,393	0,471	0,550	0,550	0,628	0,628	0,707	0,707	0,785	0,785	0,864	0,864	0,945	0,945	1,028	1,028	1,113	1,113	1,200	1,200	1,288	1,288	1,378
125	122,66	0,245	0,368	0,491	0,613	0,736	0,859	0,859	0,981	0,981	1,104	1,104	1,227	1,227	1,349	1,349	1,475	1,475	1,603	1,603	1,733	1,733	1,865	1,865	2,000	2,000	2,137
160	200,96	0,402	0,603	0,804	1,005	1,206	1,407	1,407	1,608	1,608	1,809	1,809	2,010	2,010	2,211	2,211	2,415	2,415	2,620	2,620	2,827	2,827	3,036	3,036	3,247	3,247	3,460
200	314,00	0,628	0,942	1,256	1,570	1,884	2,198	2,198	2,512	2,512	2,826	2,826	3,140	3,140	3,454	3,454	3,770	3,770	4,088	4,088	4,407	4,407	4,728	4,728	5,050	5,050	5,375
250	490,63	0,981	1,472	1,963	2,453	2,944	3,434	3,434	3,925	3,925	4,416	4,416	4,906	4,906	5,397	5,397	5,890	5,890	6,384	6,384	6,879	6,879	7,375	7,375	7,872	7,872	8,371
320	803,84	1,608	2,412	3,215	4,019	4,823	5,627	5,627	6,431	6,431	7,235	7,235	8,038	8,038	8,842	8,842	9,648	9,648	10,455	10,455	11,263	11,263	12,072	12,072	12,882	12,882	13,693

## SERIES > QX

∅	Thrust side	Pressure									
		MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)
mm	cm <sup>2</sup>	0,10 (1)	0,20 (2)	0,30 (3)	0,40 (4)	0,50 (5)	0,60 (6)	0,70 (7)	0,80 (8)	0,90 (9)	1 (10)
10	1,58	0,003	0,005	0,006	0,008	0,009	0,011	0,013	0,014	0,016	0,017
16	4,02	0,008	0,012	0,016	0,02	0,024	0,028	0,032	0,036	0,04	0,044
20	6,28	0,012	0,018	0,026	0,032	0,038	0,044	0,05	0,056	0,062	0,07
25	9,82	0,02	0,03	0,04	0,05	0,058	0,068	0,078	0,088	0,098	0,108
32	16,08	0,032	0,048	0,064	0,08	0,096	0,112	0,128	0,144	0,16	0,176

## Traction side

Values in NI for each 10 mm of stroke

SERIES >		16	24	25	40	41	42	60	61	62	63	90	92	94	95	97
∅	Thrust side	∅ rod	Traction side	Pressure												
				MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)
mm	cm <sup>2</sup>	mm	cm <sup>2</sup>	0,10 (1)	0,20 (2)	0,30 (3)	0,40 (4)	0,50 (5)	0,60 (6)	0,70 (7)	0,80 (8)	0,90 (9)	1 (10)			
8	0,50	4	0,38	0,001	0,001	0,002	0,002	0,002	0,003	0,003	0,003	0,004	0,004			
10	0,79	4	0,66	0,001	0,002	0,003	0,003	0,004	0,005	0,005	0,006	0,007	0,007			
12	1,13	6	0,85	0,002	0,003	0,003	0,004	0,005	0,006	0,007	0,008	0,008	0,009			
16	2,01	6	1,73	0,003	0,005	0,007	0,009	0,010	0,012	0,014	0,016	0,017	0,019			
20	3,14	8	2,64	0,005	0,008	0,011	0,013	0,016	0,018	0,021	0,024	0,026	0,029			
25	4,91	10	4,12	0,008	0,012	0,016	0,021	0,025	0,029	0,033	0,037	0,041	0,045			
32	8,04	12	6,91	0,014	0,021	0,028	0,035	0,041	0,048	0,055	0,062	0,069	0,076			
40	12,56	16	10,55	0,021	0,032	0,042	0,053	0,063	0,074	0,084	0,095	0,106	0,116			
50	19,63	20	16,49	0,033	0,049	0,066	0,082	0,099	0,115	0,132	0,148	0,165	0,181			
63	31,16	20	28,02	0,056	0,084	0,112	0,140	0,168	0,196	0,224	0,252	0,280	0,308			
80	50,24	25	45,33	0,091	0,136	0,181	0,227	0,272	0,317	0,363	0,408	0,453	0,499			
100	78,50	25	73,59	0,147	0,221	0,294	0,368	0,442	0,515	0,589	0,662	0,736	0,810			
125	122,66	32	114,62	0,229	0,344	0,458	0,573	0,688	0,802	0,917	1,032	1,146	1,261			
160	200,96	40	188,40	0,377	0,565	0,754	0,942	1,130	1,319	1,507	1,696	1,884	2,072			
200	314,00	40	301,44	0,603	0,904	1,206	1,507	1,809	2,110	2,412	2,713	3,014	3,316			
250	490,63	50	471,00	0,942	1,413	1,884	2,355	2,826	3,297	3,768	4,239	4,710	5,181			
320	803,84	63	772,68	1,545	2,318	3,091	3,863	4,636	5,409	6,181	6,954	7,727	8,500			

## SERIES > QX

∅	Thrust side	∅ rod	Traction side	Pressure									
				MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)
mm	cm <sup>2</sup>	mm	cm <sup>2</sup>	0,10 (1)	0,20 (2)	0,30 (3)	0,40 (4)	0,50 (5)	0,60 (6)	0,70 (7)	0,80 (8)	0,90 (9)	1 (10)
10	1,58	6	1,0148	0,002	0,003	0,004	0,005	0,006	0,007	0,008	0,009	0,010	0,011
16	4,02	16	3,02	0,006	0,01	0,012	0,016	0,018	0,022	0,024	0,028	0,03	0,034
20	6,28	20	4,72	0,01	0,014	0,018	0,024	0,028	0,032	0,038	0,042	0,048	0,052
25	9,82	24	7,56	0,016	0,022	0,03	0,038	0,046	0,052	0,06	0,068	0,076	0,084
32	16,08	32	12,06	0,024	0,036	0,048	0,06	0,072	0,084	0,096	0,108	0,12	0,132

## Traction side

Values in NI for each 10 mm of stroke

SERIES > 31		32		Pressure									
∅	Thrust side	∅ rod	Traction side	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)
mm	cm <sup>2</sup>	mm	cm <sup>2</sup>	0,10 (1)	0,20 (2)	0,30 (3)	0,40 (4)	0,50 (5)	0,60 (6)	0,70 (7)	0,80 (8)	0,90 (9)	1 (10)
12	1,13	6	0,85	0,002	0,003	0,003	0,004	0,005	0,006	0,007	0,008	0,008	0,009
16	2,01	8	1,51	0,003	0,005	0,006	0,008	0,009	0,011	0,012	0,014	0,015	0,017
20	3,14	10	2,36	0,005	0,007	0,009	0,012	0,014	0,016	0,019	0,021	0,024	0,026
25	4,91	10	4,12	0,008	0,012	0,016	0,021	0,025	0,029	0,033	0,037	0,041	0,045
32	8,04	12	6,91	0,014	0,021	0,028	0,035	0,041	0,048	0,055	0,062	0,069	0,076
40	12,56	12	11,43	0,023	0,034	0,046	0,057	0,069	0,080	0,091	0,103	0,114	0,126
50	19,63	16	17,62	0,035	0,053	0,070	0,088	0,106	0,123	0,141	0,159	0,176	0,194
63	31,16	16	29,15	0,058	0,087	0,117	0,146	0,175	0,204	0,233	0,262	0,291	0,321
80	50,24	20	47,10	0,094	0,141	0,188	0,236	0,283	0,330	0,377	0,424	0,471	0,518
100	78,50	25	73,59	0,147	0,221	0,294	0,368	0,442	0,515	0,589	0,662	0,736	0,810

SERIES > QP		Pressure											
∅	Thrust side	∅ rod	Traction side	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)
mm	cm <sup>2</sup>	mm	cm <sup>2</sup>	0,10 (1)	0,20 (2)	0,30 (3)	0,40 (4)	0,50 (5)	0,60 (6)	0,70 (7)	0,80 (8)	0,90 (9)	1 (10)
12	1,13	6	0,85	0,002	0,003	0,003	0,004	0,005	0,006	0,007	0,008	0,008	0,009
16	2,01	8	1,51	0,003	0,005	0,006	0,008	0,009	0,011	0,012	0,014	0,015	0,017
20	3,14	10	2,36	0,005	0,007	0,009	0,012	0,014	0,016	0,019	0,021	0,024	0,026
25	4,91	10	4,12	0,008	0,012	0,016	0,021	0,025	0,029	0,033	0,037	0,041	0,045
32	8,04	12	6,91	0,014	0,021	0,028	0,035	0,041	0,048	0,055	0,062	0,069	0,076
40	12,56	16	10,55	0,021	0,032	0,042	0,053	0,063	0,074	0,084	0,095	0,106	0,116
50	19,63	16	17,62	0,035	0,053	0,070	0,088	0,106	0,123	0,141	0,159	0,176	0,194
63	31,16	20	28,02	0,056	0,084	0,112	0,140	0,168	0,196	0,224	0,252	0,280	0,308
80	50,24	25	45,33	0,091	0,136	0,181	0,227	0,272	0,317	0,363	0,408	0,453	0,499
100	78,50	25	73,59	0,147	0,221	0,294	0,368	0,442	0,515	0,589	0,662	0,736	0,810

SERIES > 27		Pressure											
∅	Thrust side	∅ rod	Traction side	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)
mm	cm <sup>2</sup>	mm	cm <sup>2</sup>	0,10 (1)	0,20 (2)	0,30 (3)	0,40 (4)	0,50 (5)	0,60 (6)	0,70 (7)	0,80 (8)	0,90 (9)	1 (10)
20	3,14	8	2,64	0,005	0,008	0,011	0,013	0,016	0,018	0,021	0,024	0,026	0,029
25	4,91	10	4,12	0,008	0,012	0,016	0,021	0,025	0,029	0,033	0,037	0,041	0,045
32	8,04	12	6,91	0,014	0,021	0,028	0,035	0,041	0,048	0,055	0,062	0,069	0,076
40	12,56	16	10,55	0,021	0,032	0,042	0,053	0,063	0,074	0,084	0,095	0,106	0,116
50	19,63	16	17,62	0,035	0,053	0,070	0,088	0,106	0,123	0,141	0,159	0,176	0,194
63	31,16	20	28,02	0,056	0,084	0,112	0,140	0,168	0,196	0,224	0,252	0,280	0,308

SERIES > QCT		QCB		QCTF		QCBF		Pressure					
∅	Thrust side	∅ rod	Traction side	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)
mm	cm <sup>2</sup>	mm	cm <sup>2</sup>	0,10 (1)	0,20 (2)	0,30 (3)	0,40 (4)	0,50 (5)	0,60 (6)	0,70 (7)	0,80 (8)	0,90 (9)	1 (10)
20	3,14	10	2,36	0,005	0,007	0,009	0,012	0,014	0,016	0,019	0,021	0,024	0,026
25	4,91	12	3,78	0,008	0,011	0,015	0,019	0,023	0,026	0,030	0,034	0,038	0,042
32	8,04	16	6,03	0,012	0,018	0,024	0,030	0,036	0,042	0,048	0,054	0,060	0,066
40	12,56	16	10,55	0,021	0,032	0,042	0,053	0,063	0,074	0,084	0,095	0,106	0,116
50	19,63	20	16,49	0,033	0,049	0,066	0,082	0,099	0,115	0,132	0,148	0,165	0,181
63	31,16	20	28,02	0,056	0,084	0,112	0,140	0,168	0,196	0,224	0,252	0,280	0,308

SERIES > ARP		Pressure (opening/closing)										
Mod.	Volume (l)	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)	MPa (bar)	
open./clos.	0,10 (1)	0,20 (2)	0,30 (3)	0,40 (4)	0,50 (5)	0,60 (6)	0,70 (7)	0,80 (8)	0,90 (9)	1 (10)		
ARP 001	0,03	0,03	0,05/0,05	0,08/0,08	0,11/0,11	0,13/0,13	0,16/0,16	0,19/0,19	0,21/0,21	0,24/0,24	0,27/0,27	0,29/0,29
ARP 003	0,10	0,10	0,20/0,20	0,30/0,30	0,40/0,40	0,50/0,50	0,60/0,60	0,70/0,70	0,80/0,80	0,90/0,90	1,00/1,00	1,10/1,10
ARP 005	0,20	0,30	0,40/0,60	0,60/0,90	0,80/1,20	1,00/1,50	1,20/1,80	1,40/2,10	1,60/2,40	1,80/2,70	2,00/3,00	2,20/3,30
ARP 010	0,40	0,50	0,80/1,00	1,20/1,50	1,60/2,00	2,00/2,50	2,40/3,00	2,80/3,50	3,20/4,00	3,60/4,50	4,00/5,00	4,40/5,50
ARP 012	0,49	0,64	0,98/1,28	1,47/1,92	1,96/2,56	2,45/3,20	2,94/3,84	3,43/4,48	3,92/5,12	4,41/5,76	4,90/6,40	5,39/7,04
ARP 020	0,90	1,00	1,80/2,00	2,70/3,00	3,60/4,00	4,50/5,00	5,40/6,00	6,30/7,00	7,20/8,00	8,10/9,00	9,00/10,00	9,90/11,00
ARP 035	1,69	1,90	3,38/3,80	5,07/5,70	6,76/7,60	8,45/9,50	10,14/11,40	11,83/13,30	13,52/15,20	15,21/17,10	16,90/19,00	18,59/20,90
ARP 055	2,80	3,40	5,60/6,80	8,40/10,20	11,20/13,60	14,00/17,00	16,80/20,40	19,60/23,80	22,40/27,20	25,20/30,60	28,00/34,00	30,80/37,40
ARP 055	2,80	3,40	5,60/6,80	8,40/10,20	11,20/13,60	14,00/17,00	16,80/20,40	19,60/23,80	22,40/27,20	25,20/30,60	28,00/34,00	30,80/37,40
ARP 070	3,05	3,70	6,10/7,40	9,15/11,10	12,20/14,80	15,25/18,50	18,30/22,20	21,35/25,90	24,40/29,60	27,45/33,30	30,50/37,00	33,55/40,70
ARP 100	5,52	5,90	11,04/11,80	16,56/17,70	22,08/23,60	27,60/29,50	33,12/35,40	38,64/41,30	44,16/47,20	49,68/53,10	55,20/59,00	60,72/64,90
ARP 150	7,60	9,60	15,20/19,20	22,80/28,80	30,40/38,40	38,00/48,00	45,60/57,60	53,20/67,20	60,80/76,80	68,40/86,40	76,00/96,00	83,60/105,60
ARP 250	8,50	9,80	17,00/19,60	25,50/29,40	34,00/39,20	42,50/49,00	51,00/58,80	59,50/68,60	68,00/78,40	76,50/88,20	85,00/98,00	93,50/107,80
ARP 400	13,60	17,50	27,20/35,00	40,80/52,50	54,40/70,00	68,00/87,50	81,60/105,00	95,20/122,50	108,80/140,00	122,40/157,50	136,00/175,00	149,60/192,50

# Quality: our priority commitment

Research, technological innovation, training, respect for personnel, employee and environmental safety and total customer care are all factors that Camozzi considers strategic in the achievement of quality.

To Camozzi quality is a system that ensures excellence, not only of the final product but throughout the entire business process.



APPENDIX

## Our certifications

Camozzi's main goals include quality and safety, the protection of the environment and compatibility of our activities with the territories in which they are performed.

Since 1993 Camozzi has been certified in accordance with the ISO 9001 standard for quality management. In 2003 the company obtained ISO 14001 certification for environmental management.

In the same year, DNV, the global quality assurance and risk management company, certified Camozzi's Integrated Management System, which includes both ISO 9001 and ISO 14001 standards. Furthermore, in 2013 Camozzi obtained ISO/TS 16949 certification for the Series C-Truck and Series 9000 fuel fittings, then transitioned to the new edition of the IATF 16949 standard in 2018.

From 1 July 2003, all products sold in the European Union and destined to be used in potentially explosive areas, had to be approved according to directive 94/9/CE, also known as ATEX.

This directive covered both electrical and non-electrical parts, including for instance pneumatic power and control equipment.

### Mandatory directives

- Directive 99/34/EC concerning liability for defective products modified by Legislative Decree 02/02/01 n° 25.
- Directive 2014/35/EU "Equipment designed for use within certain voltages".
- Directive 2014/30/EU "Electromagnetic Compatibility EMC" and relative additions.
- Directive 2014/34/EU "Atex".
- Directive 2006/42/EC "Machinery".
- Directive 2014/68/EU "Pressure Equipment Directive".
- Directive 2001/95/EC "General product safety".
- Regulation 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

### Technical standards

- ISO 4414 - Pneumatic fluid power - General rules and safety requirements for systems and their components

### Environmental notes

- Packaging: we respect the environment, so use materials which can be recycled, including recyclable PE and paper.
- Green Design Project: in the study of new products, the environmental impact is always taken into consideration (real project, elaboration, etc.).

# Information for the use of Camozzi products

In order to ensure proper functioning of Camozzi products these general guidelines should be noted.

## Air quality

While resources such as electricity, water and gas are normally supplied by external companies to guaranteed standards, compressed air is produced from the ambient atmosphere. It is therefore the user that has to guarantee compressed air quality.

High quality air is essential for proper functioning of pneumatic systems. One cubic metre of air at atmospheric pressure typically contains the following:

- more than 150 million solid particles with dimensions from 0,01  $\mu\text{m}$  to 100  $\mu\text{m}$ ,
- fumes due to combustion,
- water vapour, with volume depending on temperature; at 30° there are about 30 g/m<sup>3</sup> of water
- oil, up to about 0,03 mg
- micro organisms
- plus a variety of chemical contaminants, odours etc ...

The further the air is compressed, the higher the air quantity in the same volume and therefore the higher the amount of contaminants.

In order to reduce unwanted contents, compressors are fitted with filters, driers and oil separators at the inlet and outlet.

In spite of these precautions, the air, during its passage along pipes and tubes or while in storage tanks, can collect contaminants such as flakes of rust. Further, water vapour contained in the air can cool down and liquefy, then absorb and retain oil fumes.

For this reason it is advisable to fit compressed air systems and pneumatic machinery with air treatment equipment.

## Air treatment: classification according to ISO 8573-1-2010 standard

ISO 8573-1-2010 Class	Solid particles			Max Concentration mg/m <sup>3</sup>	Water		Oil Total content (liquid, aerosol and vapour) mg/m <sup>3</sup>	
	Max. Number of Particles per m <sup>3</sup> 0,1 - 0,5 $\mu\text{m}$	0,5 - 1 $\mu\text{m}$	1 - 5 $\mu\text{m}$		Water pressure dew point °C	Liquid g/m <sup>3</sup>		
0	More strict than class 1, defined by the device user							
1	≤ 20,000	≤ 400	≤ 10	-	≤ - 70°	-	≤ 0,01	
2	≤ 400,000	≤ 6,000	≤ 100	-	≤ - 40°	-	≤ 0,1	
3	-	≤ 90,000	≤ 1,000	-	≤ - 20°	-	≤ 1	
4	-	-	≤ 10,000	-	≤ + 3°	-	≤ 5	
5	-	-	≤ 100,000	-	≤ + 7°	-	-	
6	-	-	-	≤ 5	≤ + 10°	-	-	
7	-	-	-	5 - 10	-	≤ 0,5	-	
8	-	-	-	-	-	0,5 - 5	-	
9	-	-	-	-	-	5 - 10	-	
X	-	-	-	> 10	-	> 10	-	

Different types of air treatment equipment have different functions: isolation valves, pressure regulators, soft-start valves and of course filters. In some applications lubricators are still used, but this is increasingly unusual. Regarding filtering, there are international standards, such as ISO 8573-1-2010, that classify air according to its quality.

**ISO 8573-1-2010** classifies compressed air according to the presence of three contaminating categories: solid particles, water or water vapour, and concentration of micro mist or oil vapours. In general, if not specified otherwise in the characteristics of the single component, Camozzi products require an ISO 8573-1-2010 class 7-4-4 air quality.

- **class 7** = air has a maximum concentration of SOLID PARTICLES of 5 mg/m<sup>3</sup>. The filtering elements are designed to separate solid particles with a dimension of more than 25  $\mu\text{m}$ .

The air exiting from our filters and therefore the air at the inlet of all other components can contain solid particles with a maximum concentration of 5 mg/m<sup>3</sup> and with a maximum dimension of 25  $\mu\text{m}$ .

- **class 4** = the compressed AIR temperature has to be ≤ 3°C in order for entrained water vapour to condense and become liquid.

Conventional filters have characteristics that separate the humidity in the air only if it is in a liquid or near-liquid state.

It is the cooling of the air that enables condensation and removal of water vapour.

The air flow entering the bowl of the filter sustains a minimum expansion phase, (according to the Gas Law when gas suddenly expands, its temperature drops) followed by a vortex, this enables the heavier particles and the water vapour (condensing due to the expansion) to adhere to the sides of the bowl and slide down towards the drain.

Except for specific versions, users of Camozzi filters have to install driers in their compressed air production systems that, by cooling the air, dehumidify it.

- **class 4** = the concentration of OIL PARTICLES must be of maximum 5 mg/m<sup>3</sup>. It should be noted that compressors use oil for lubrication and that this can be carried into the compressed air system in the form of aerosol, vapour or liquid.

This oil, as with all other contaminants, can be transported by the air into the pneumatic circuit. It can then contact the seals of the components and subsequently pass into the environment through the outlets of the solenoid valves. In this case coalescing filters are used to aggregate those micro-molecules of oil suspended in the air and remove them.

The use of Camozzi coalescing filters enable to reach classes 2 and 1.

It is important to keep in mind that best performance is reached only by means of a multi-phase filtering process with subsequent phases.

As illustrated, different filters have different characteristics - a very efficient filter for a certain contaminant may not be so effective for other contaminants.

The filtering elements determine the class of the filters, these elements should be replaced after a specified period or after a specified number of working hours. These parameters vary according to the characteristics of the incoming air.

### Camozzi filters are subdivided into different groups:

- Filtering element of 25  $\mu\text{m}$ , class 7-8-4
- Filtering element of 5  $\mu\text{m}$ , class 6-8-4
- Filtering element of 1  $\mu\text{m}$ , class 2-8-2  
with pre-filter class 6-8-4
- Filtering element of 0,01  $\mu\text{m}$ , class 1-8-1  
with pre-filter class 6-8-4 residual oil content of 0,01 mg/m<sup>3</sup>
- Activated carbon, class 1-7-1  
with pre-filter class 1-8-1 residual oil content of 0,003 mg/m<sup>3</sup>

The components are factory greased with special products and do not need an additional lubrication. In case it should be necessary, use ISO VG 32 oil. The quantity of oil introduced into the circuit depends on the applications. Camozzi suggests a maximum dosage of three drops per minute.

## Pneumatic cylinders

The choice of the correct cylinder mounting and also that of the rod attachment to any moving parts, are as important as the control of parameters relating to speed, mass and radial loads.

The control of these parameters has to be guaranteed by the user.

The location of position sensors (reed switches), and their switching response times to magnetic fields, is dependent upon the type and bore size of the cylinder and the appropriate precautions need to be taken when fixing these items. (see notes on the pages about sensors).

We do not advise the use of a cylinder as a shock absorber or for pneumatic cushioning. If used at the maximum speed, we recommend gradual deceleration to avoid a violent impact between piston and the cylinder end cover.

As a general value, we calculate a maximum average speed of 1 m/sec.

In this case no lubrication is required as the lubrication introduced during assembly is sufficient to guarantee good operation.

If faster speeds are required, we suggest lubrication in the quantities described above.

# Directive ATEX 2014/34/EU: Products classified for the use in potentially explosive atmospheres



Since 19 April 2016 all products which are sold in the European Union and destined to be used in **potentially explosive atmospheres** have had to be approved according to new Directive 2014/34/EU, also known as ATEX. This Directive applies to both electrical and non-electric items, such as pneumatic drives.

## Main changes introduced by Directive 2014/34/EU:

- Non-electric apparatus and devices, such as pneumatic cylinders, have to comply with the Directive.
- Equipment is classified into different categories, which identifies the potentially explosive zones in which they may be used.
- The products are identified with the CE mark Ex.
- The instructions for use and the declarations of conformity should be supplied with each product that is to be used in potentially explosive zones.
- The Directive applies to products intended to be used in zones that are potentially explosive due to the presence of dust as well as to zones where potentially explosive gases may be present.

A potentially explosive atmosphere could be composed of gas, mist, steam or dust, which may be present constantly, intermittently or created by processes conducted within the zone. An explosion can occur when there are one or more inflammable substances plus an ignition source present.

## An ignition source could be:

- Electrical (electric arcs, induced current, heat generated by the Joule effect, i.e. heat created when an electric current flows through a resistance.)
- Mechanical (heat between surfaces caused by friction, sparks generated by the collision of metallic bodies, electrostatic discharges, adiabatic compression, i.e. compression of an atmosphere causing a temperature rise)
- Chemical (exothermic reactions between materials)
- Naked flames. The products which are subject to approval are those which, during their normal use or because of a malfunction, present one or more ignition sources within a potentially explosive atmosphere.

The manufacturer has to guarantee that the product conforms to the declarations and carries the appropriate markings. Moreover, the product should always be accompanied by the appropriate instructions.

The maker and/or user of the equipment should identify the risk zone(s), as defined by Directive 99/92/CE, in which the products are to be used and ensure all instructions are followed.

**In the case where a product is made up of two or more components with different markings, the component which is classified in the lowest category defines the class to which the complete product belongs.**

Example:  
solenoid suitable for Category 3 marked ...  
Ex - II 3 Ex...

and valve suitable for Category 2 ...  
Ex - II 2 Ex...

The valve unit with solenoid can be used only in Category 3 or Zone 2/22.

## Zones, groups and categories

In the places and for the types of equipment subject to Directive 99/92/CE, the user should identify the classification of the zones in relation to the danger of the creation of explosive atmospheres because of the presence of gas or dust.

Apparatus and equipment for the use in potentially explosive zones are divided in groups:

Group I > apparatus used in mines

Group II > apparatus used in installations above ground

### Group I: Apparatus used in mines

CATEGORY M1  
Functioning in explosive atmospheres

CATEGORY M2  
Non-supplied equipment in explosive atmospheres

### Group II: Apparatus for installations above ground

Product category	Gas	Dust
1	Zone 0	Zone 20
2	Zone 1	Zone 21
3	Zone 2	Zone 22

## Classification of zones according to Directive 99/92/CE

- Category 1**
- Zone 0 - Area in which (permanently, for long periods or often) an explosive atmosphere is present, consisting of a mixture of air and inflammables in the form of gas, vapour or mist.
  - Zone 20 - Area in which (permanently, for long periods or often) an explosive atmosphere is present in the form of a dust/powder cloud which is combustible in air.
- Category 2**
- Zone 1 - Area in which, during normal activities, the formation of an explosive atmosphere is probable, consisting of a mixture of air and inflammables in the form of gas, vapour or mist.
  - Zone 21 - Area in which occasionally during normal activities the formation of an explosive atmosphere is probable, in the form of a dust cloud which is combustible in air.
- Category 3**
- Zone 2 - Area in which, during normal activities, the formation of an explosive atmosphere, consisting of a mixture of air and inflammables in the form of gas, vapour or mist is not probable and, whenever this should occur, it is only of a short duration.
  - Zone 22 - Area in which, during normal activities, the formation of an explosive atmosphere in the form of a combustible dust cloud is not probable and, whenever this should occur, it is only of a short duration.

**Example of Marking:**  II 2 GD c T100°C (T5) -20°C≤Ta≤60°C

<b>II</b>	II Group: Devices which are to be used in spaces exposed to risks of an explosive atmosphere, different from underground spaces, mines, tunnels, etc., classified according to the criteria in Annex I of the Directive 2014/34/EU (ATEX).
<b>2</b>	Category: Devices designed to function in compliance with the operational parameters determined by the manufacturer and guarantee a high protection level.
<b>GD</b>	Qualification gas and dusts: Protected against gas (G) and explosive dusts (D).
<b>c</b>	Non-electrical devices: Non-electrical devices for potentially explosive atmospheres. Protection through constructive security.
<b>T 100°C</b>	Max. temperature for components for dusts: Max. superf. temp. of 100°C regarding potential hazards resulting from striking within the vicinity of hazardous dusts.
<b>T5</b>	Max. temperature for components for gas: Max. superf. temp. of 100°C regarding potential hazards which may result from striking within gas environments.
<b>Ta</b>	Environmental temperature: -20°C≤Ta≤60°C. Environmental temperature range (with dry air)

**Group I: Temperature classes**

Temperature = 150°C or = 450°C according to the level of dust on the apparatus.

**Group II: Temperature classes**

Temp. classes for gas (G)	Admissible surface temperatures
T1	450°C
T2	300°C
T3	200°C
T4	135°C
T5	100°C
T6	85°C

**ATEX certified Camozzi products**
**APPARATUS** classified as ATEX Group II

**Cylinders**

Series	Category	Zone	Gas/Dust
16*	2 DE-3 SE	1/21 DE -2/22 SE	G/D
24*	2 DE-3 SE	1/21 DE-2/22SE	G/D
25*	2 DE-3 SE	1/21 DE-2/22SE	G/D
31-32	2 DE-3 SE	1/21DE-2/22SE	G/D
31-32 Tandem/multi-position	2 DE	1/21 DE	G/D
40*	2 DE	1/21 DE	G/D
41*	2 DE	1/21 DE	G/D
60*	2 DE-3 SE	1/21 DE-2/22 SE	G/D
61*	2 DE-3 SE	1/21 DE-2/22 SE	G/D
62*	2 DE	1/21 DE	G/D
63*	2 DE-3 SE	1/21 DE-2/22 SE	G/D
27	2 DE	1/21 DE	G/D
QP-QPR	2 DE-3 SE	1/21 DE-2/22 SE	G/D
QN	3 SE	2/22 SE	G/D
42	2 DE-3 SE	1/21 DE-2/22 SE	G/D
ARP	2	1/21	G/D
QCT-QCB-QXT-QXB	2	1/21	G/D

**Proximity switches**

Series	Category	Zone	Gas/Dust
CSH/CST/CSV	3	2/22	G/D
CSG	3	2/22	G/D

**Valves**

Series	Category	Zone	Gas/Dust
P	3	2/22	G/D
W	3	2/22	G/D
Y	3	2/22	G/D

**Solenoids**

Series	Category	Zone	Gas/Dust
U70	3	2/22	G/D
H80 <sup>l**</sup>	2	1/21	G/D

**Pressure switches**

Series	Category	Zone	Gas/Dust
PM 11 <sup>**</sup>	1	0/20	G/D

**Freely installable COMPONENTS** classified as ATEX Group II

Products	Category	Zone	Gas/Dust
Silencers	2	1/21	G/D
Quick release couplings	2	1/21	G/D
Manifolds	2	1/21	G/D
Sub-bases	2	1/21	G/D
Feet	2	1/21	G/D
Caps	2	1/21	G/D
Plates	2	1/21	G/D

**FRL**

Series	Category	Zone	Gas/Dust
MC#	2	1/21	G/D
N	2	1/21	G/D
MX#	2	1/21	G/D
T	2	1/21	G/D
CLR	2	1/21	G/D
M	2	1/21	G/D
MD#	2	1/21	G/D

**Valves**

Series	Category	Zone	Gas/Dust
9#*	2	1/21	G/D
A#	2	1/21	G/D
2	2	1/21	G/D
3#	2	1/21	G/D
4#	2	1/21	G/D
NA (NAMUR) #	2	1/21	G/D
E (pneumatic)	2	1/21	G/D

\* According to ISO standard

\*\* Products with ATEX and IECEx certification

# Without solenoid

- » The order code number of the certified products is obtained by adding "EX" to the standard article number  
 Es. 358-015 standard solenoid valve  
 Es. 358-015EX ATEX certified solenoid valve

Accessories available in Category 2 Zone 1/21: couplings, junctions, brackets, piston rod nuts, nuts, counter brackets, bushings, pins, clevis pins, caps, gaskets, diaphragm, sub-bases, plates, feet, hand operated valves, flow valves, flanges, screw, tie rods, automatic and blocking valves, silencers and pressure gauge, connector kits, clamps, rapid and super rapid push-in fittings, hoses, sealing rings, locking nuts. Accessories available in Category 3, Zone 2/22: adaptors, slot covers, extensions, connectors. For more information on this kind of products see the website:

<http://catalogue.camozzi.com> within the section: Downloads > Certifications > ATEX Directive 2014/34/EU > List of products excluded from the directive 2014/34/EU ATEX.

# Camozzi Returns Policy

## Step by Step Guide

### Step 1

If you have a product to be returned please call the Camozzi Sales office on 024 7637 4114.

### Step 2

If the return is agreed you will be quoted a returns reference number, which must be noted on all paperwork relating to the returned goods.

### Step 3

Address the parcel to  
 Camozzi Automation Ltd,  
 The Fluid Power Centre,  
 Watling Street,  
 Nuneaton,  
 Warwickshire,  
 CV11 6BQ.

## Please do

- Include the returns note issued to you
- Ensure the goods are adequately packed to prevent damage in transit.
- Arrange for the parcel to be returned to Camozzi via the most appropriate method.
- Include a contact name on the enclosed paperwork in case of any queries.
- State the reason for return, a part number and description of the part or parts on the enclosed paperwork.

## Please do not

- Return anything without a returns number (We reserve the right to return goods received without a returns number back to you at your cost)
- Give returns to the Camozzi Area Sales Managers, they are not permitted to accept returns.

## Handling Charges

Handling charges will be applied to cover :-

- Administration
- Processing Cost
- Breakdown of product in to component parts (where applicable)

These handling charges will be advised when the returns number is issued.

## Faulty Goods

If an item received is deemed faulty, we will invoice a replacement. This will be credited once the item has been returned, inspected and found to be faulty. If misuse has caused the item to fail then the replacement invoice will stand.



























## Contact

### **Camozzi Automation Ltd**

The Fluid Power Centre  
Watling Street  
Nuneaton  
Warwickshire  
CV11 6BQ  
United Kingdom  
+44(0) 24 7637 4114  
askus@camozzi.co.uk  
www.camozzi.co.uk  
store.camozzi.co.uk



Automation

A Camozzi Group Company  
**www.camozzi.co.uk**