

## Quick Release Couplings - Technical Data

### ISO 7241-1A

PAV1 Standard Range (160/350 Bar) ISO Base 6.3 - 50  
 PAO1 Valveless Range (200/350 Bar) ISO Base ISO 5 - 25  
 PPV Push - Pull Range (225/300 Bar) ISO Base ISO 6.3 - 25  
 SCBC Economy Range (130/350 Bar) ISO Base 6.3 - 50  
 SCBX Stainless Steel Range (130/350 Bar) ISO Base 6.3 - 50  
 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 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

### ISO A Norm

### Quick Release Couplings - PAV1 Standard Range - Page 147

Body Size	ISO Base	Dash Size	Ø (mm)	Max. Working		Min. Burst Pressure			Fluid Spillage (cc)
				Pressure (bar)	Rated Flow (l/m)	Male (bar)	Female (bar)	Coupled (bar)	
1/4	6.3	04	5	350	12	1510	1760	1450	0.5
3/8	10	06	9	350	23	1470	1520	1590	1.9
1/2	12.5	08	10.6	250	45	1000	1460	1240	2.7
3/4	20	12	15.7	250	106	900	1530	1040	9.3
1	25	16	17.3	200	189	1300	960	1300	16
1 1/4	31.5	20	22.8	200	288	1140	850	1090	30
1 1/2	40	24	30	190	379	810	790	820	54
2	50	32	37.6	160	757	650	960	1100	120

### Quick Release Couplings - PAO1 PAOC Valveless Range (Free Flow) - Page 148

Body Size	ISO Base	Dash Size	Ø (mm)	Max. Working		Min. Burst Pressure	
				Pressure (bar)	Rated Flow (l/m)	Coupled (bar)	
1/4	6.3	04	5.5	350	12	1450	
3/8	10	06	9.5	350	23	1590	
1/2	12.5	08	11.5	250	45	1240	
3/4	20	12	16.5	250	106	1040	
1	25	16	19	200	189	880	

### Probes for Connection Under Pressure - PKK1, PKK4 - Page 150

Body Size	ISO Base	Dash Size	Ø (mm)	Max. Working		Min. Burst Pressure			
				Pressure (bar)	Rated Flow (l/m)	Male (bar)	Female (bar)	Coupled (bar)	
1/2	12.5	08	10.6	250	45	1000	1460	1240	2.7

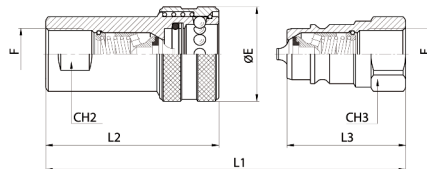
### Push-Pull Quick Release Couplings - PPV Standard Range - Page 151

Body Size	ISO Base	Dash Size	Ø (mm)	Max. Working		Min. Burst Pressure			
				Pressure (bar)	Rated Flow (l/m)	Male (bar)	Female (bar)	Coupled (bar)	
1/4	6.3	04	5.5	250	12	1000	1000	1000	0.8
3/8	10	06	9	300	23	1340	1500	1380	1.9
1/2	12.5	08	10.6	225	45	930	1670	1110	2.7
3/4	20	12	15.7	225	106	1240	1460	1190	9.3
1	25	16	17.3	225	189	900	1170	970	16

Contact the sales office for flow and pressure drop characteristics

## Quick Release Couplings - PAVX Range

ISO A Norm



## Technical Data

**Threads**

BSP

NPT on request

**Material**

Stainless Steel - AISI 316

Springs - AISI 302

Seals - Standard in NBR

Backing Ring: In pure Teflon

**Operating Temperature**

With NBR standard seals

-25°C to +125°C

With Viton seals -25°C to +200°C

**Special Requests**

For assistance, contact our technical office.



See page 145 for Dust Caps

**Stainless Steel**

Body Size	ISO Base	Dash Size	CH2	CH3	øE	Dimensions			Thread Size	Carrier Half Part Number	Probe Half Part number	
						L1	L2	L3	BAR			
1/4	6.3	04	19	19	26	72	51	36	350	1/4	PAVX.0606.002	PAVX. 0606.003
3/8	10	06	24	22	32	81	58.5	40.5	250	3/8	PAVX.1010.002	PAVX. 1010.003
1/2	12.5	08	30	27	38	87.5	63.5	46	250	1/2	PAVX.1313.002	PAVX. 1313.003
3/4	20	12	38	36	46	112	83.5	56	200	3/4	PAVX.2019.002	PAVX. 2019.003
1	25	16	46	41	55	126	97	63	150	1	PAVX.2525.002	PAVX. 2525.003
1 1/4	31.5	20	60	50	70	150	117	75	63	*1 1/4	PAVX.3031.002	PAVX. 3031.003
1 1/2	40	24	70	60	84.5	167	133	83.5	50	*1 1/2	PAVX.3939.002	PAVX. 3939.003
2"	50	32	75	75	100	210	165	105	50	*2	PAVX.5051.002	PAVX. 5051.003

\* Not ISO A Standard