Series 1 and 3 mechanically operated valves

Series 1: 3/2-way and 5/2-way, ports G1/8 and G1/4
Series 3: 3/2-way and 5/2-way, ports G1/8

These mechanically operated valves have been designed with three different types of actuation:
- plunger
- lever/roller
- unidirectional lever/roller
In each case, return is triggered by a mechanical spring.

3/2-way monostable valves Series 3 are normally closed in the rest position when pressure is supplied in 1 and are normally open when pressure is supplied on connection 3, the user port 2 remaining unchanged.
5/2-way valves Series 3 can be supplied via the ports 3 and 5 with two different pressures if a cylinder has to be operated using a delivery pressure which is different from the return pressure.

GENERAL DATA

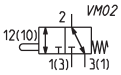
Construction	spool-type (Series 3), poppet-type (Series 1)
Valve group	3/2, 5/2 way/pos.
Materials	aluminium body, brass poppet, stainless steel spool, NBR seals
Ports	G1/8, G1/4
Ambient temperature	0°C ÷ 60°C
Medium temperature	0°C ÷ 50°C
Operating pressure	see models
Fluid	Filtered air, without lubrication. If lubricated air is used, it is recommended to use ISO VG32 oil. Once applied the lubrication should never be interrupted.

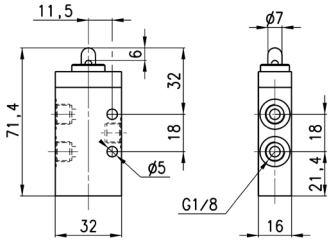
CODING EXAMPLE

3	3	8	-	94	5

3	SERIES: 1 3
3	FUNCTION: 3 = 3/2 ways NC 4 = 3/2 ways NO (only Series 1) 5 = 5/2 ways
8	PORTS: 8 = G1/8 4 = G1/4 (only Series 1)
94	ACTUATION: 94 = plunger 95 = lever/roller 96 = unidirectional roller
5	RESETTING: 5= spring return

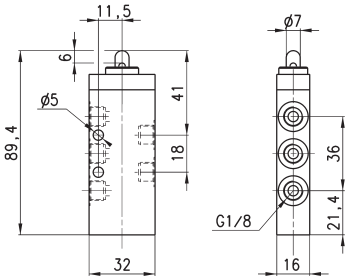
Valve Mod. 338-945

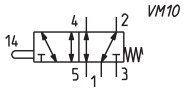




Mod.	Operating pressure (bar)	Flow (Nl/min)	Actuating force (N)
338-945	-0.9 ÷ 10	700	32

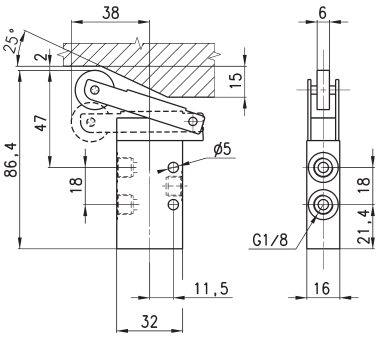
Valve Mod. 358-945

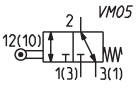




Mod.	Operating pressure (bar)	Flow (Nl/min)	Actuating force (N)
358-945	-0.9 ÷ 10	700	35

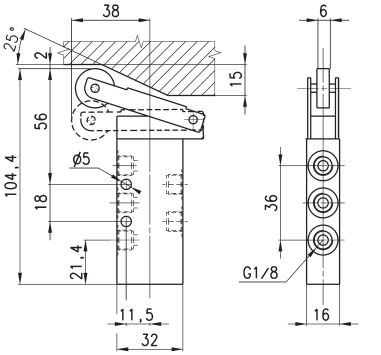
Valve Mod. 338-955

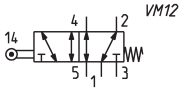




Mod.	Operating pressure (bar)	Flow (Nl/min)	Actuating force (N)
338-955	-0.9 ÷ 10	700	15

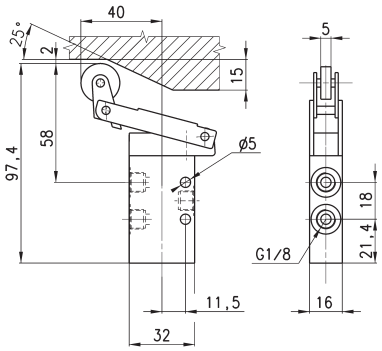
Valve Mod. 358-955





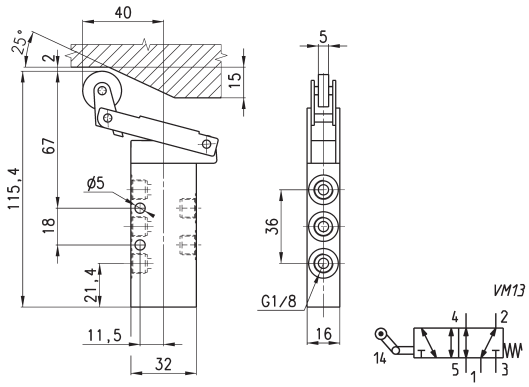
Mod.	Operating pressure (bar)	Flow (Nl/min)	Actuating force (N)
358-955	-0.9 ÷ 10	700	17

Valve Mod. 338-965



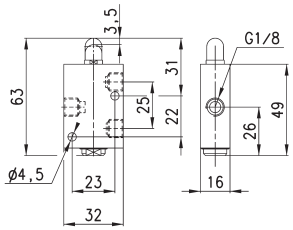
Mod.	Operating pressure (bar)	Flow (Nl/min)	Actuating force (N)
338-965	-0.9 ÷ 10	700	15

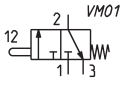
Valve Mod. 358-965



Mod.	Operating pressure (bar)	Flow (Nl/min)	Actuating force (N)
358-965	-0.9 ÷ 10	700	16

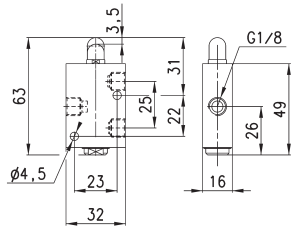
Valve Mod. 138-945

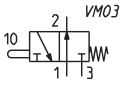




Mod.	Operating pressure (bar)	Flow rate (Nl/min)	Actuating force at 6 bar (N)
138-945	0 ÷ 10	500	70

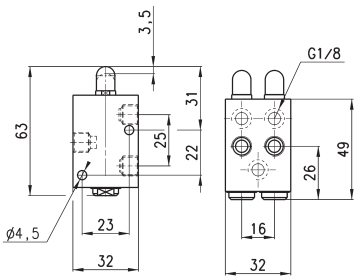
Valve Mod. 148-945

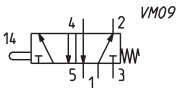




Mod.	Operating pressure (bar)	Flow rate (Nl/min)	Actuating force at 6 bar (N)
148-945	0 ÷ 10	500	70

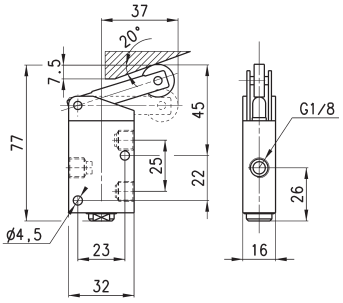
Valve Mod. 158-945

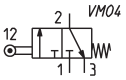




Mod.	Operating pressure (bar)	Flow rate (Nl/min)	Actuating force at 6 bar (N)
158-945	0 ÷ 10	500	120

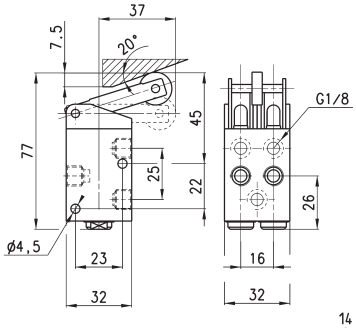
Valve Mod. 138-955

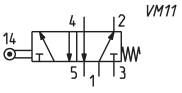




Mod.	Operating pressure (bar)	Flow rate (Nl/min)	Actuating force at 6 bar (N)
138-955	0 ÷ 10	500	36

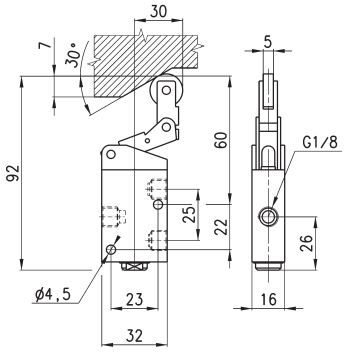
Valve Mod. 158-955

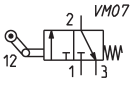




Mod.	Operating pressure (bar)	Flow rate (Nl/min)	Actuating force at 6 bar (N)
158-955	0 ÷ 10	500	92

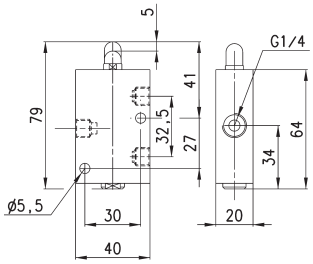
Valve Mod. 138-965

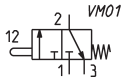




Mod.	Operating pressure (bar)	Flow rate (Nl/min)	Actuating force at 6 bar (N)
138-965	0 ÷ 10	500	41

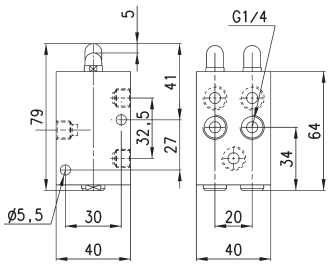
Valve Mod. 134-945

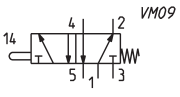




Mod.	Operating pressure (bar)	Flow rate (Nl/min)	Actuating force at 6 bar (N)
134-945	0 ÷ 10	1250	64

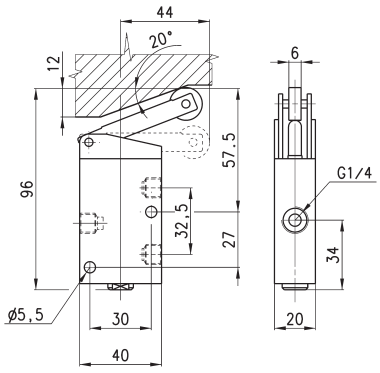
Valve Mod. 154-945

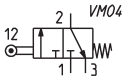




Mod.	Operating pressure (bar)	Flow rate (Nl/min)	Actuating force at 6 bar (N)
154-945	0 ÷ 10	1250	147

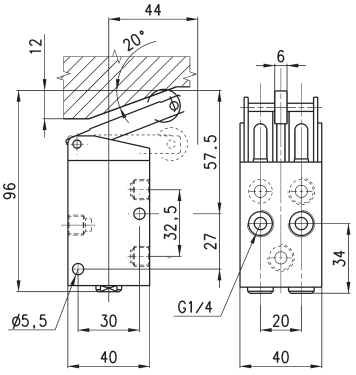
Valve Mod. 134-955

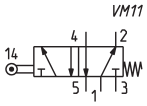




Mod.	Operating pressure (bar)	Flow rate (Nl/min)	Actuating force at 6 bar (N)
134-955	0 ÷ 10	1250	41

Valve Mod. 154-955





Mod.	Operating pressure (bar)	Flow rate (Nl/min)	Actuating force at 6 bar (N)
154-955	0 ÷ 10	1250	110