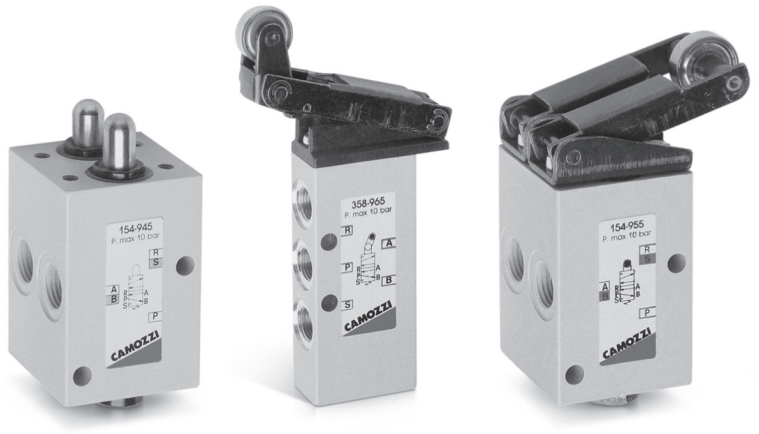
Mechanically operated valves Series 1 and 3

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.

The 3/2-way monostable valves of 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.
The 5/2-way valves of Series 3 may 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, poppet OT58, 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.

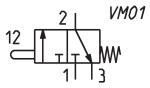
CODING EXAMPLE

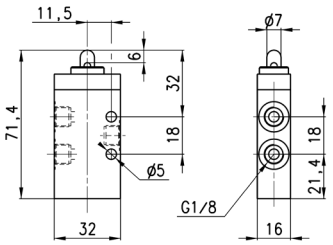
3	3	8	-	94	5

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

Operating pressure = -0,9 ÷ 10 bar
Flow rate = 700 Nl/min.
Actuating force = 32N

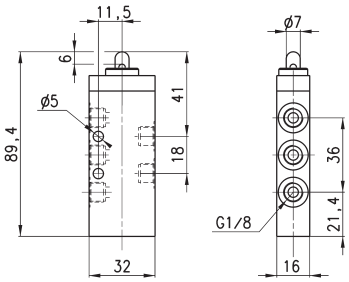


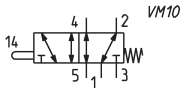


Mod.
338-945

Valve

Operating pressure = -0,9 ÷ 10 bar
Flow rate = 700 Nl/min.
Actuating force = 35N

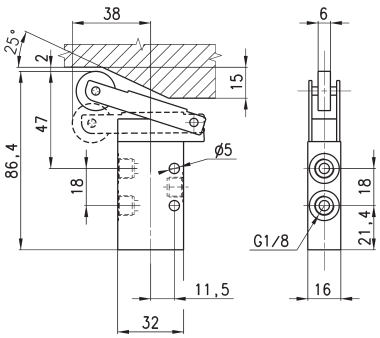


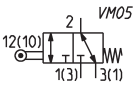


Mod.
358-945

Valve

Operating pressure = -0,9 ÷ 10 bar
Flow rate = 700 Nl/min.
Actuating force = 15N

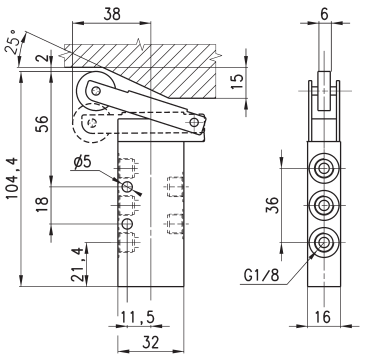


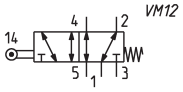


Mod.
338-955

Valve

Operating pressure = -0,9 ÷ 10 bar
Flow rate = 700 Nl/min.
Actuating force = 17N

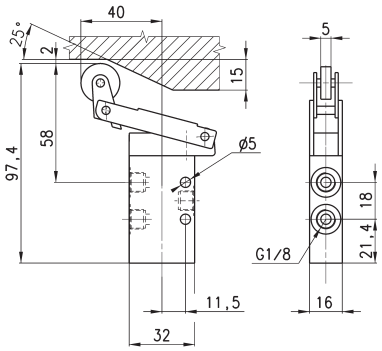




Mod.
358-955

Valve

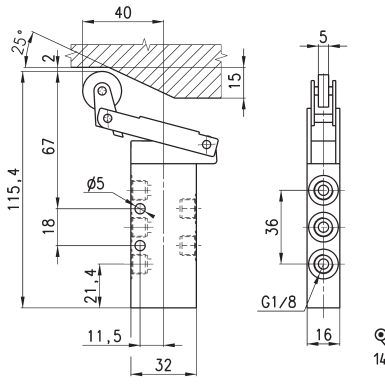
Operating pressure = -0,9 ÷ 10 bar
Flow rate = 700 Nl/min.
Actuating force = 15N



Mod.
338-965

Valve

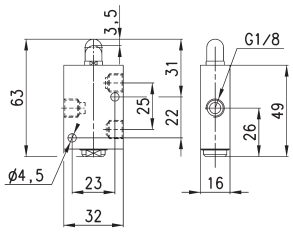
Operating pressure = -0,9 ÷ 10 bar
Flow rate = 700 Nl/min.
Actuating force = 16N

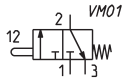


Mod.
358-965

Valve

Operating pressure = 0 ÷ 10 bar
Flow rate = 500 Nl/min.
Actuating force at 6 bar = 70N

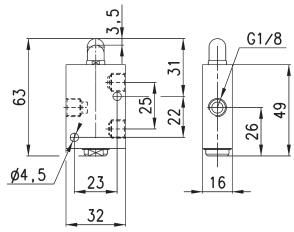


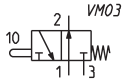


Mod.
138-945

Valve

Operating pressure = 0 ÷ 10 bar
Flow rate = 500 Nl/min.
Actuating force at 6 bar = 70N

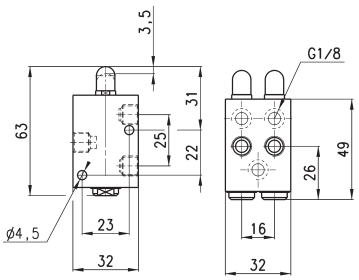


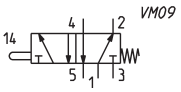


Mod.
148-945

Valve

Operating pressure = 0 ÷ 10 bar
Flow rate = 500 Nl/min.
Actuating force at 6 bar = 120N

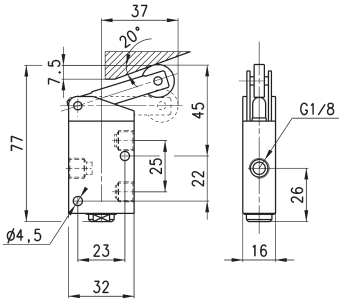


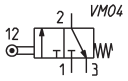


Mod.
158-945

Valve

Operating pressure = 0 ÷ 10 bar
Flow rate = 500 Nl/min.
Actuating force at 6 bar = 36N

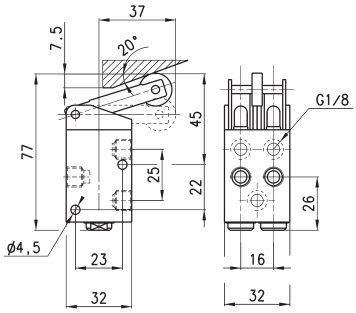


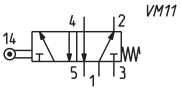


Mod.
138-955

Valve

Operating pressure = 0 ÷ 10 bar
Flow rate = 500 Nl/min.
Actuating force at 6 bar = 92N

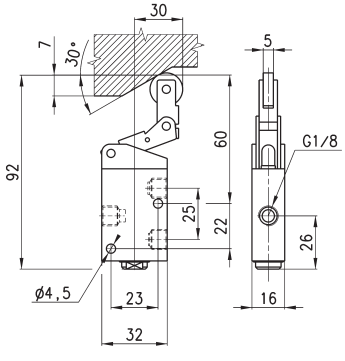


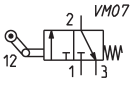


Mod.
158-955

Valve

Operating pressure = 0 ÷ 10 bar
Flow rate = 500 Nl/min.
Actuating force at 6 bar = 41N

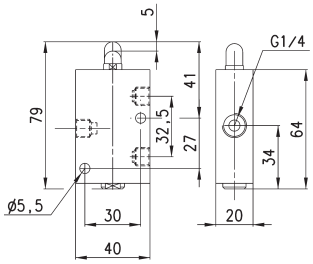


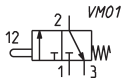


Mod.
138-965

Valve

Operating pressure = 0 ÷ 10 bar
Flow rate = 1250 Nl/min.
Actuating force at 6 bar = 64N

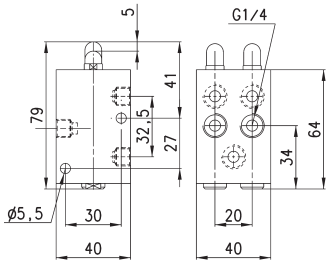


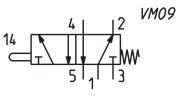


Mod.
134-945

Valve

Operating pressure = 0 ÷ 10 bar
Flow rate = 1250 Nl/min.
Actuating force at 6 bar = 147N

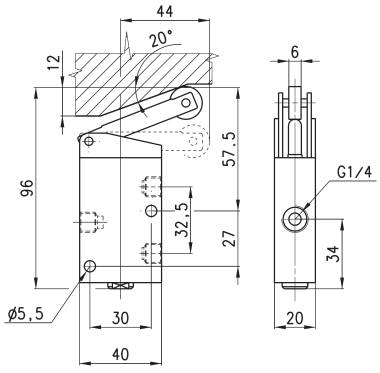


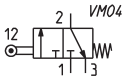


Mod.
154-945

Valve

Operating pressure = 0 ÷ 10 bar
Flow rate = 1250 Nl/min.
Actuating force at 6 bar = 41N

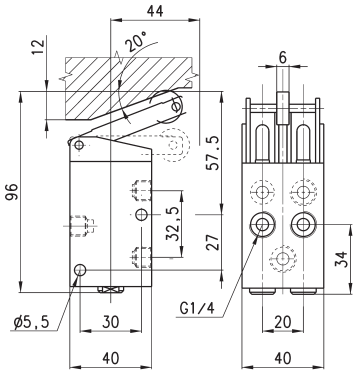


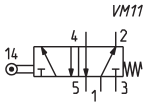


Mod.
134-955

Valve

Operating pressure = 0 ÷ 10 bar
Flow rate = 1250 Nl/min.
Actuating force at 6 bar = 110N





Mod.
154-955