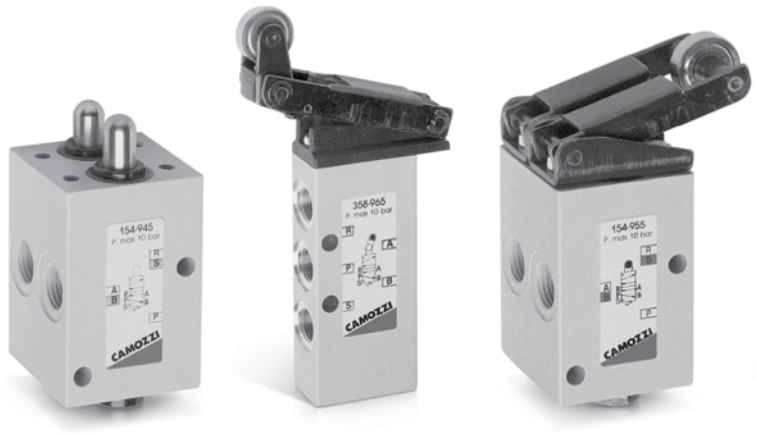
Mechanically operated valves Series 1 and 3

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.

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2

CONTROL

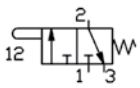
CODING EXAMPLE

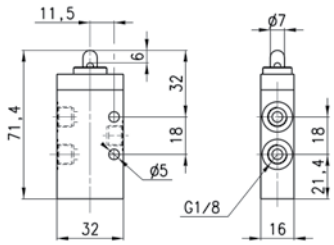
3	3	8	-	94	5

3	SERIES: 1 3
3	FUNCTION: 3 = 3/2 ways N.C. 4 = 3/2 ways N.O. (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

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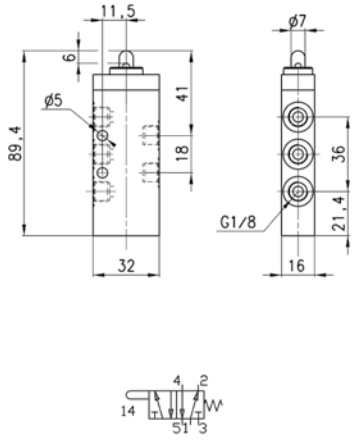
Valve

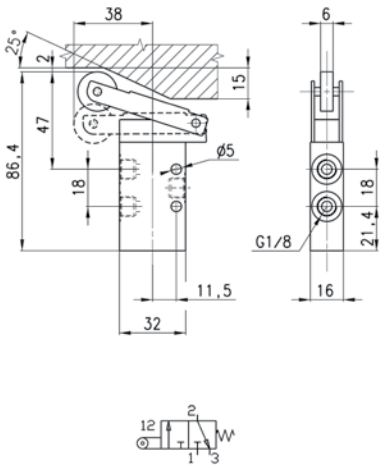
Operating pressure = -0,9 ÷ 10 bar
Flow rate = 700 Nl/min.
Actuating force = 35N



Mod.
358-945

Valve

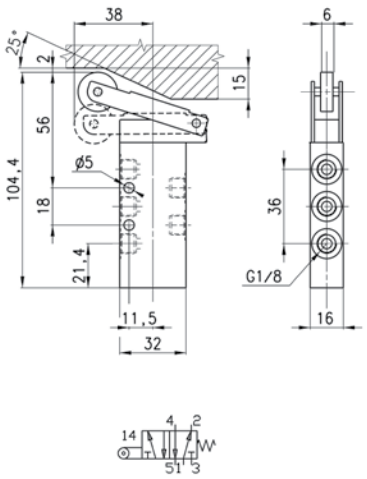
Operating pressure = -0,9 ÷ 10 bar
Flow rate = 700 Nl/min.
Actuating force = 15N



Mod.
338-955

Valve

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



Mod.
358-955

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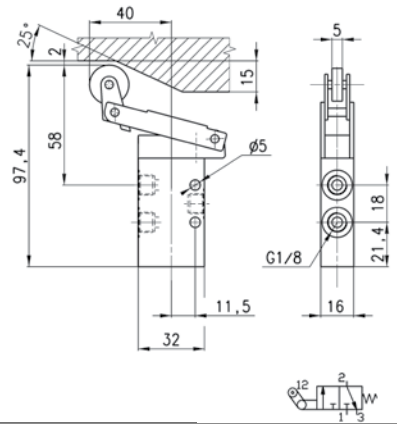
Valve

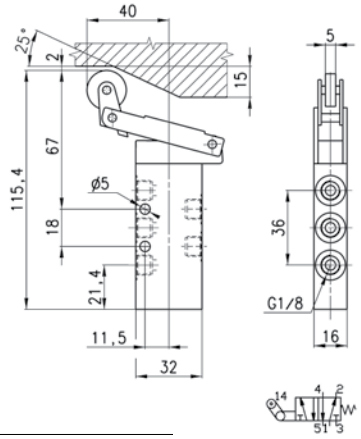
Operating pressure = -0,9 ÷ 10 bar
Flow rate = 700 Nl/min.
Actuating force = 15N



Mod.
338-965

Valve

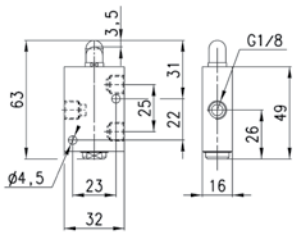
Operating pressure = -0,9 ÷ 10 bar
Flow rate = 700 Nl/min.
Actuating force = 16N



Mod.
358-965

Valve

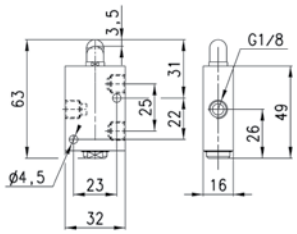
Operating pressure = 0 ÷ 10 bar
Flow rate = 500 Nl/min.
Actuating force at 6 bar = 70N



Mod.
138-945

Valve

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



Mod.
148-945

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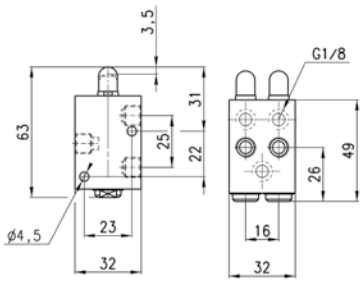
Valve

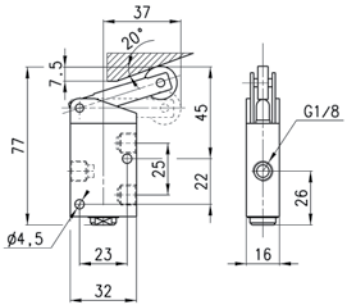
Operating pressure = 0 ÷ 10 bar
Flow rate = 500 Nl/min.
Actuating force at 6 bar = 120N



Mod.
158-945

Valve

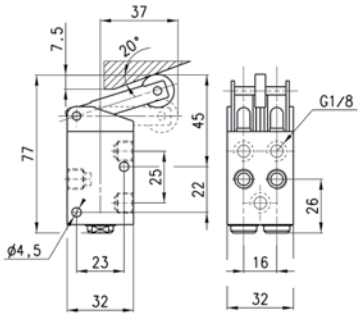
Operating pressure = 0 ÷ 10 bar
Flow rate = 500 Nl/min.
Actuating force at 6 bar = 36N



Mod.
138-955

Valve

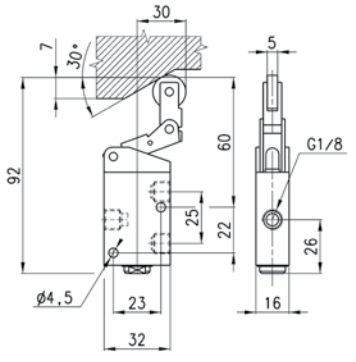
Operating pressure = 0 ÷ 10 bar
Flow rate = 500 Nl/min.
Actuating force at 6 bar = 92N

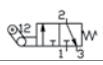


Mod.
158-955

Valve

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





Mod.
138-965

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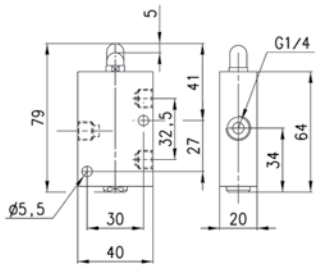
Valve

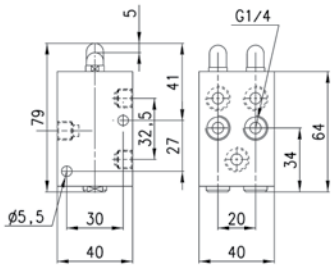
Operating pressure = 0 ÷ 10 bar
Flow rate = 1250 Nl/min.
Actuating force at 6 bar = 64N



Mod.
134-945

Valve

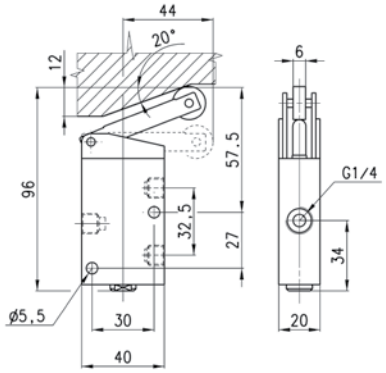
Operating pressure = 0 ÷ 10 bar
Flow rate = 1250 Nl/min.
Actuating force at 6 bar = 147N



Mod.
154-945

Valve

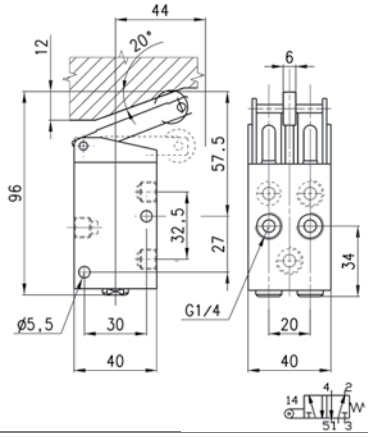
Operating pressure = 0 ÷ 10 bar
Flow rate = 1250 Nl/min.
Actuating force at 6 bar = 41N



Mod.
134-955

Valve

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



Mod.
154-955

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