Manually operated valves
Series 1, 3, 4 and VMS

2

CONTROL

Series 1, 3 and 4, 3/2, 5/2 and 5/3 - way C.C. C.O. C.P.
Ports G1/8 - G1/4
VMS Series, 3/2 - way
Ports G1/8 - G1/4 - G3/8 - G1/2

The Series 3 manual valves (G1/8, 3/2 and 5/2-way) and the Series 4 manual valves (G1/4, 3/2, 5/2 and 5/3-way) are available with devices designed to satisfy different needs. The 3/2-way valves Series 3 and 4) are normally closed when 1 is the inlet; they can also be normally open when 3 is the inlet.

The 5/2 way valves for Series 3 and 4 maybe 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.
The Series 1 valves are provided with two devices : pushbutton (3/2-way) and lever (3/2 and 5/2-way).

GENERAL DATA

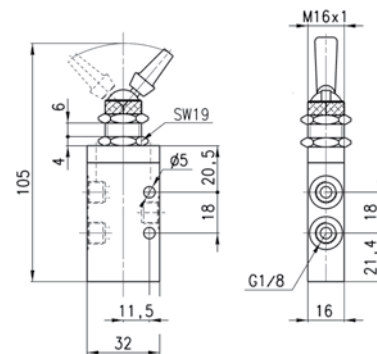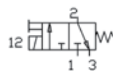|	
Construction	spool-type (Series 3 and 4) - poppet-type (Series 1) - slide (Series VMS)
Valve group	3/2 - 5/2 - 5/3 way/pos.
Materials	aluminium body, stainless steel spool, NBR seals
Ports	G1/8 - G1/4
Ambient temperature	0°C ÷ 60°C
Medium temperature	0°C ÷ 50°C
Operating pressure	see models
Fluid	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	-	900

3	SERIES: 1 3 4
5	FUNCTION: 3 = 3/2 way N.C. 5 = 5/2 way 6 = 5/3 way C.O. 7 = 5/3 way C.O.
8	PORTS: 8 = G1/8 4 = G1/4
900	RESETTING: 895 = pushbutton, monostable, black 896 = pushbutton, monostable, green 897 = pushbutton, 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

Valve

Actuating force = 18N
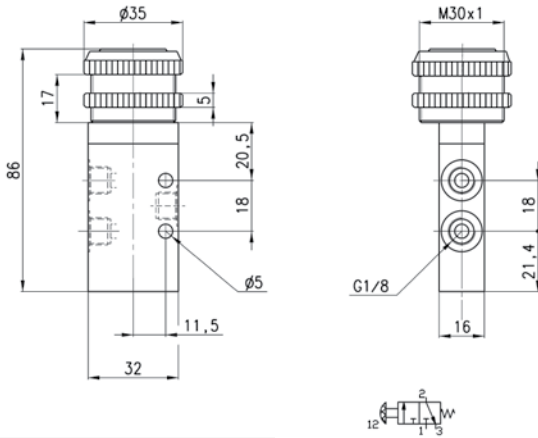Operating pressure = -0,9 ÷ 10 bar
Flow rate = 700 Nl/min.

M16x1
SW19
Ø5
G1/8
105
6
4
18
20,5
18
21,4
11,5
32
16

Mod.
338-990

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2

CONTROL

Valve

Actuating force = 18N
Operating pressure = -0,9 ÷ 10 bar
Flow rate = 700 Nl/min.
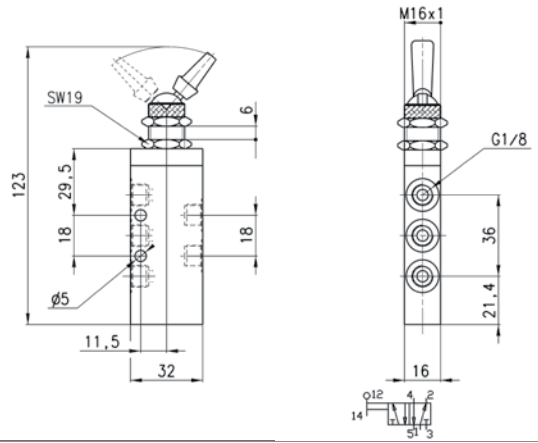
Mod.	
358-990	

Valves

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

Mod.	Colors
338-895	Black
338-896	Green
338-897	Red

Valves

Actuating force = 35N
Operating pressure = -0,9 ÷ 10 bar
Flow rate = 700 Nl/min.
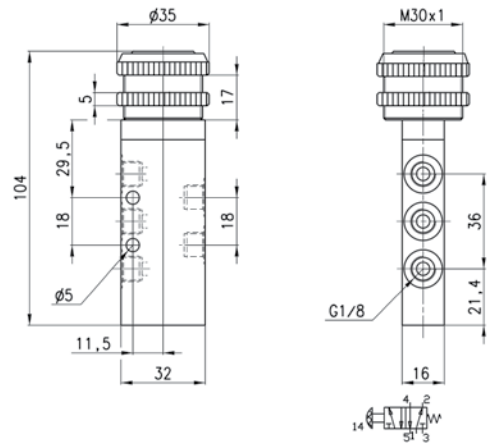
Mod.	Colors
358-895	Black
358-896	Green
358-897	Red

Valves

Actuating force = 35N
Operating pressure = -0,9 ÷ 10 bar
Flow rate = 700 Nl/min.
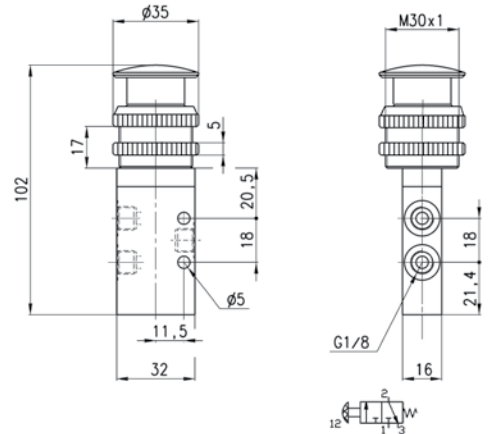
Mod.	Colors
338-975	Black
338-976	Green
338-977	Red

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Valves

Actuating force = 35N
Operating pressure = -0,9 ÷ 10 bar
Flow rate = 700 Nl/min.
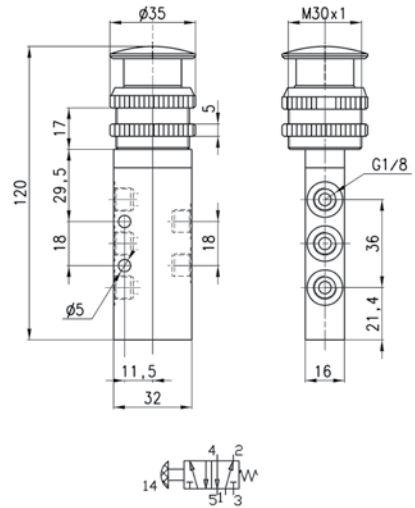
Mod.	Colors
358-975	Black
358-976	Green
358-977	Red

Valves

338-910 Actuating force = 6N
338-915 Actuating force = 35N
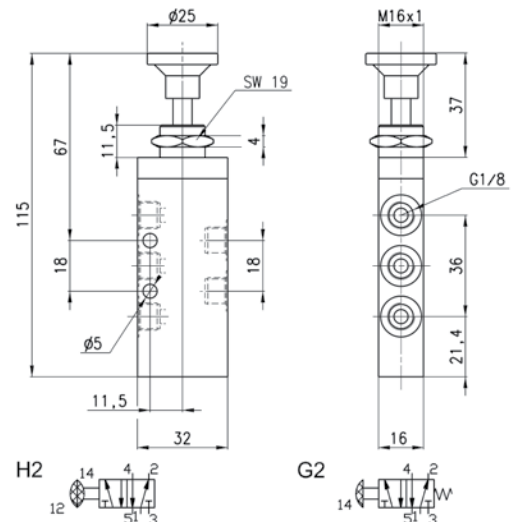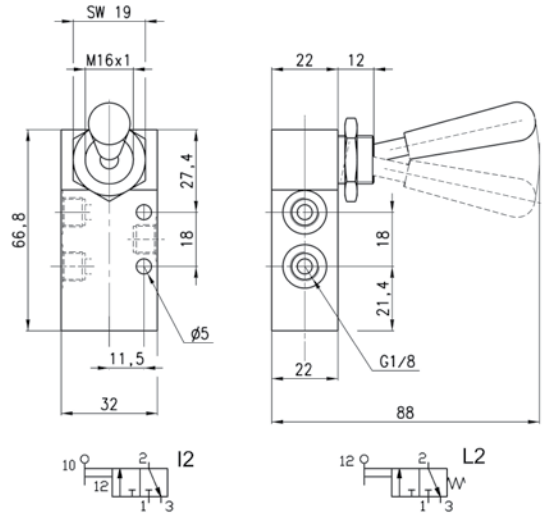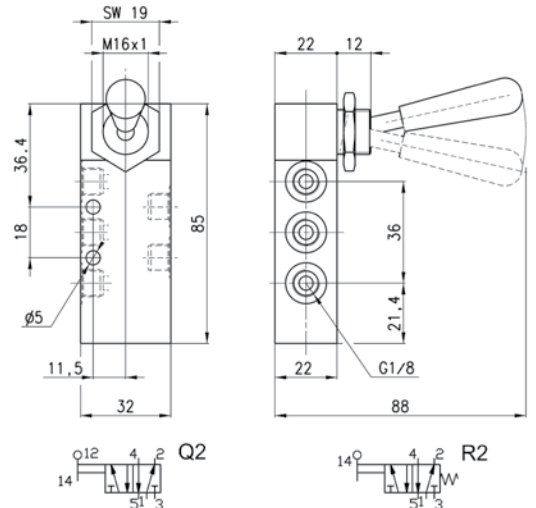Operating pressure = -0,9 ÷ 10 bar
Flow rate = 700 Nl/min.
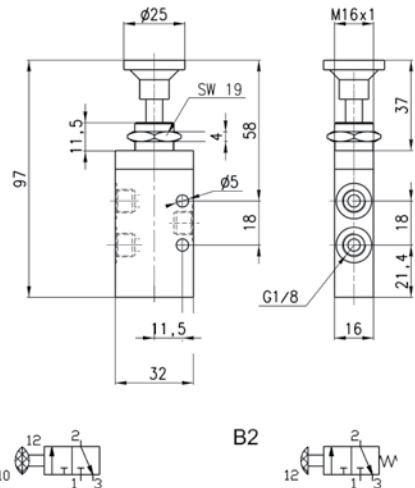
Mod.	Symbol
338-910	A2
338-915	B2

Valves

358-910 Actuating force = 6N
358-915 Actuating force = 35N
Operating pressure = -0,9 ÷ 10 bar
Flow rate = 700 Nl/min.

| Mod.	Symbol
358-910	H2
358-915	G2

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2

Valves

338-910 Actuating force = 6N
338-915 Actuating force = 35N
Operating pressure = -0,9 ÷ 10 bar
Flow rate = 700 Nl/min.

Mod.	Symbol
338-900	I2
338-905	L2

Valves

358-900 Actuating force = 5N
358-905 Actuating force = 22N
Operating pressure = -0,9 ÷ 10 bar
Flow rate = 700 Nl/min.

Mod.	Symbol
358-900	Q2
358-905	R2

Valve

Actuating force = 5N
Operating pressure = -0,9 ÷ 10 bar
Flow rate = 500 Nl/min.
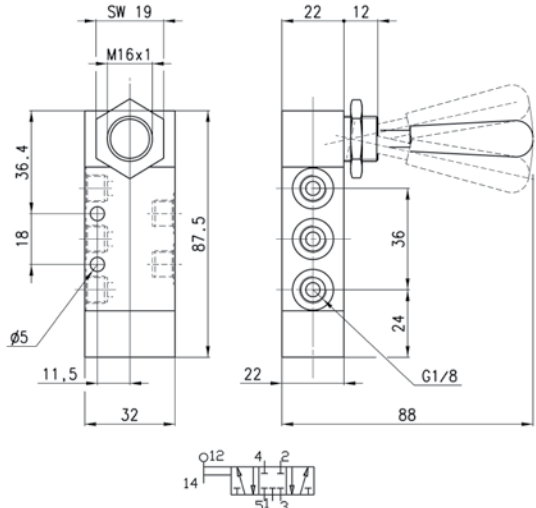
Mod.
368-900

Valve

Actuating force = 20N
Operating pressure = -0,9 ÷ 10 bar
Flow rate = 500 Nl/min.
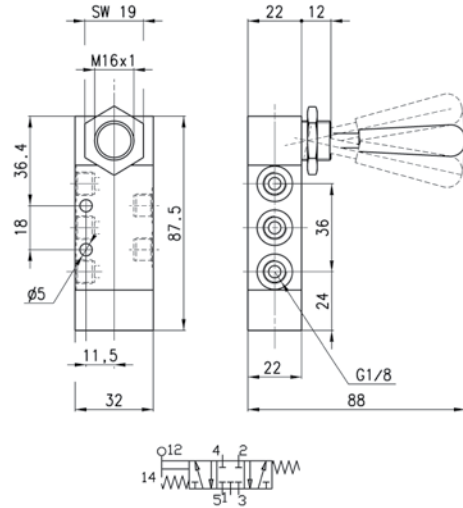
Mod.
368-905

Valve

Actuating force = 5N
Operating pressure = -0,9 ÷ 10 bar
Flow rate = 500 Nl/min.
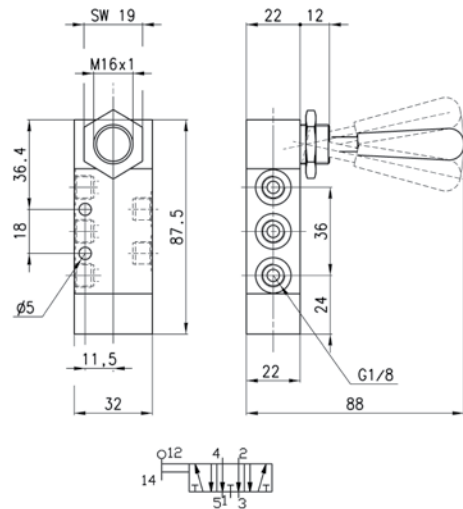
Mod.
378-900

Valve

Actuating force = 20N
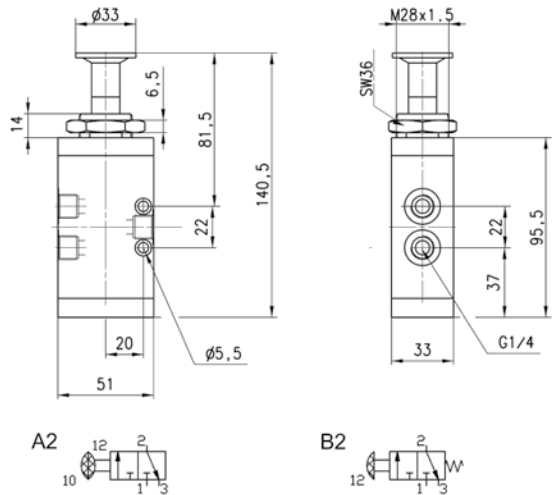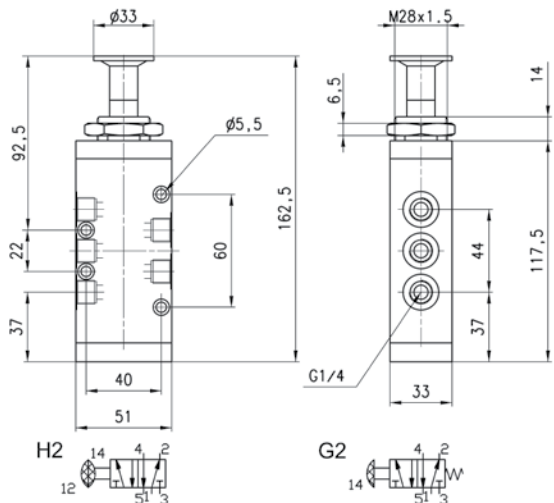Operating pressure = -0,9 ÷ 10 bar
Flow rate = 500 Nl/min.

Mod.
378-905

2

CONTROL
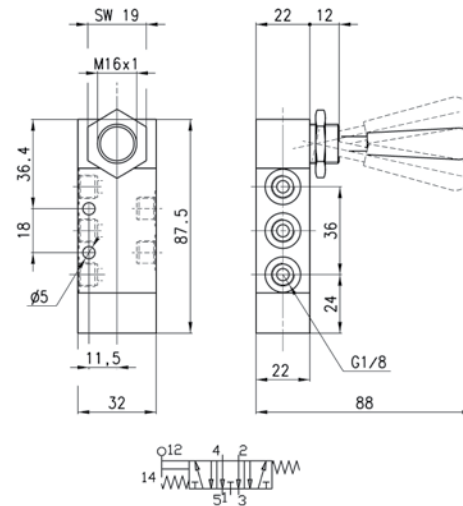
Valves

434-910 actuating force = 10N
434-915 actuating force = 37N
Operating pressure = -0,9 ÷ 10 bar
Flow rate = 1250 Nl/min.

Mod.	Symbol
434-910	A2
434-915	B2

Valves

454-910 actuating force = 10N
454-915 actuating force = 37N
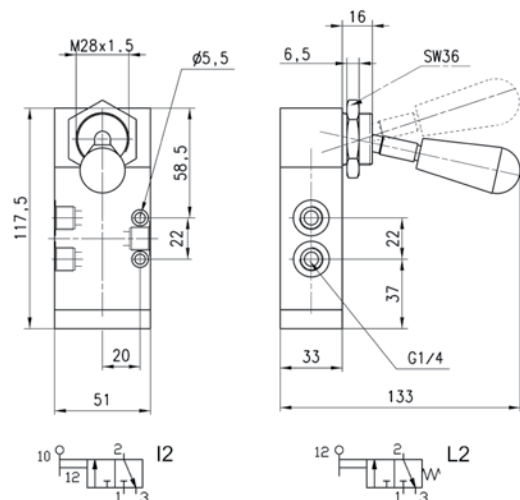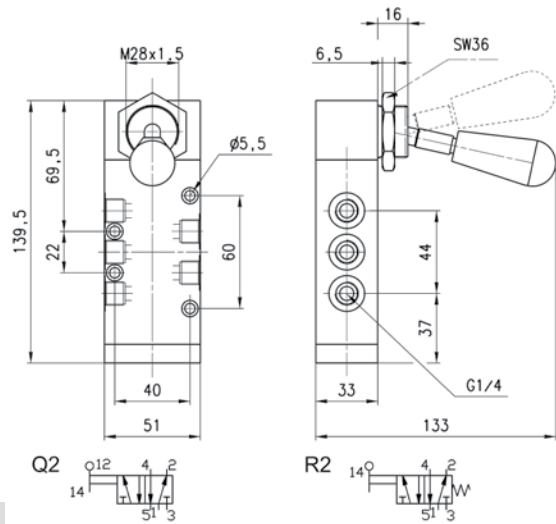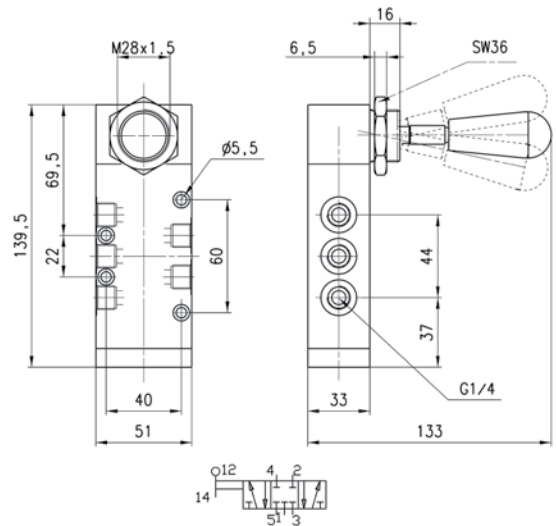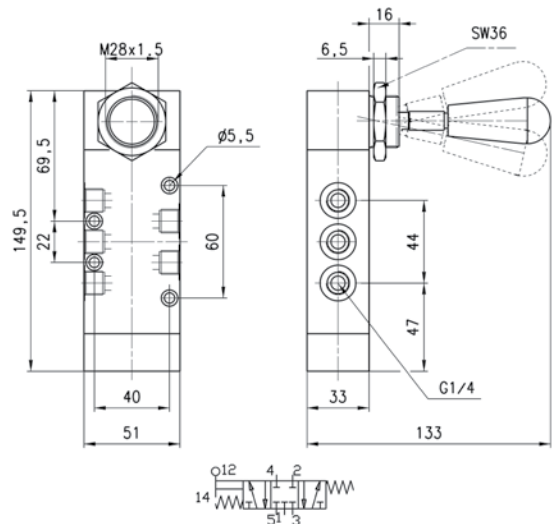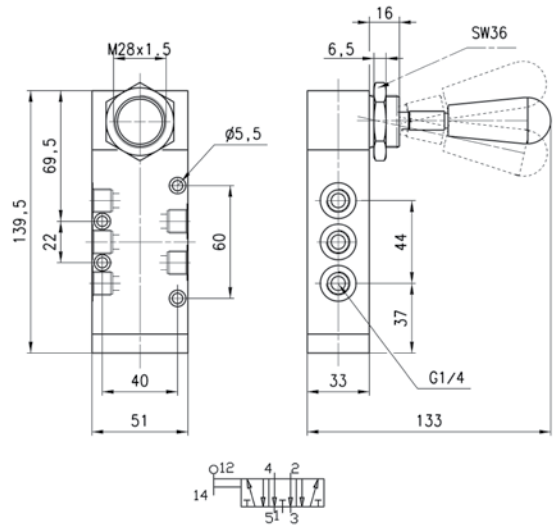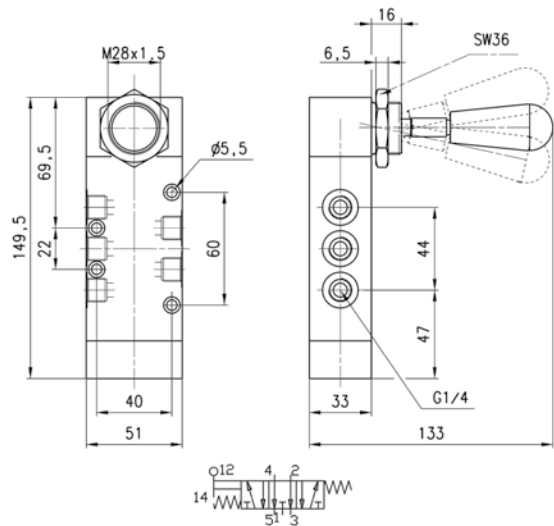Operating pressure = -0,9 ÷ 10 bar
Flow rate = 1250 Nl/min.

DIMENSIONS	
Mod.	Symbol
454-910	H2
454-915	G2

Valves

434-900 actuating force = 5N
434-905 actuating force = 37N
Operating pressure = -0,9 ÷ 10 bar
Flow rate = 1250 Nl/min.

Mod.	Symbol
434-900	I2
434-905	L2

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Valves

454-900 actuating force = 5N
454-905 actuating force = 37N
Operating pressure = -0,9 ÷ 10 bar
Flow rate = 1250 Nl/min.

Mod.	Symbol
454-900	Q2
454-905	R2

Valve

Actuating force = 5N
Operating pressure = -0,9 ÷ 10 bar
Flow rate = 1250 Nl/min.

Mod.
464-900

Valve

Actuating force = 10N
Operating pressure = -0,9 ÷ 10 bar
Flow rate = 1250 Nl/min.

Mod.
464-905

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2

Valve

Actuating force = 5N
Operating pressure = -0,9 ÷ 10 bar
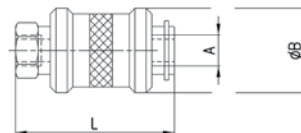Flow rate = 1250 Nl/min.

Mod.
474-900

Valve

Actuating force = 10N
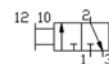Operating pressure = -0,9 ÷ 10 bar
Flow rate = 1250 Nl/min.

Mod.
474-905

Valves

Operating pressure: 0 ÷ 8 bar
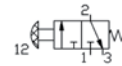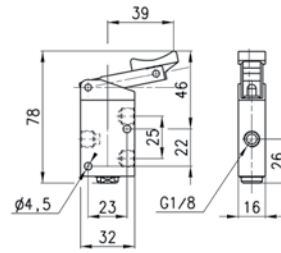Operating temperature: - 10 ÷ 80°C.

| Mod.	A	ØB	L	Flow rate Nl/min P-A	Flow rate Nl/min A-R
VMS-105-M5	M5	14,2	30,5	98,5	129,5
VMS-118-1/8	G1/8	25	48	680	700
VMS-114-1/4	G1/4	30	58	1250	1500
VMS-138-3/8	G3/8	35	70	2100	2250
VMS-112-1/2	G1/2	40	75	3800	4300
VMS-134-3/4	G3/4	49	83	5680	5750

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Valve

Actuating force at 6 bar = 38N
Operating pressure = 0 ÷ 10 bar
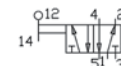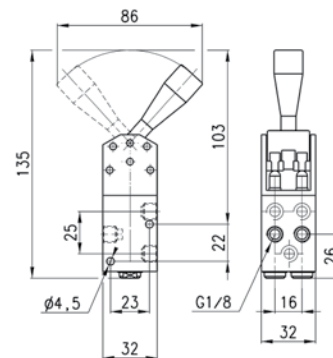Flow rate = 500 Nl/min.

Mod.
138-935

Valve

Actuating force at 6 bar = 25N
Operating pressure = 0 ÷ 10 bar
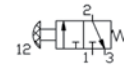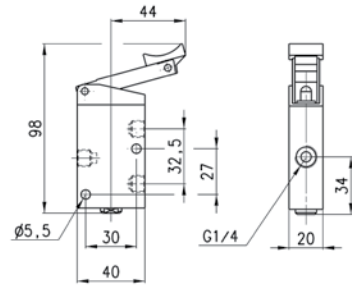Flow rate = 500 Nl/min.
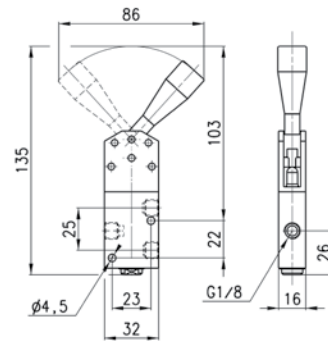
Mod.
138-900

Valve

Actuating force at 6 bar = 45N
Operating pressure = 0 ÷ 10 bar
Flow rate = 500 Nl/min.

Mod.
158-900

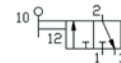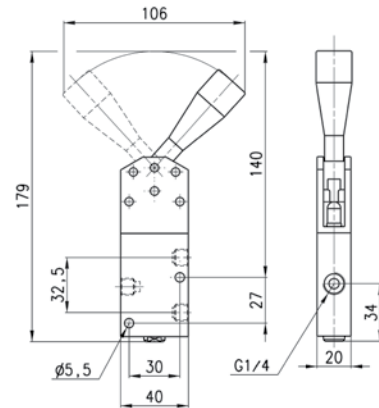CAMOZZI

2

CONTROL

Valve

Actuating force at 6 bar = 40N
Operating pressure = 0 ÷ 10 bar
Flow rate = 1250 Nl/min.
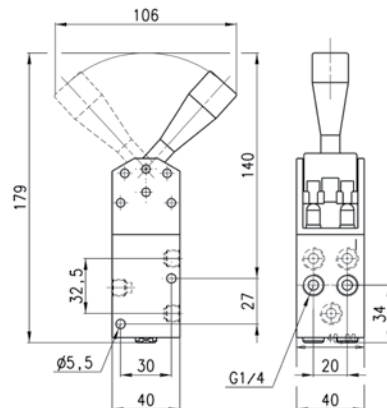

Mod.
134-935

Valve

Actuating force at 6 bar = 30N
Operating pressure = 0 ÷ 10 bar
Flow rate = 1250 Nl/min.

Mod.
134-900

Valve

Actuating force at 6 bar = 55N
Operating pressure = 0 ÷ 10 bar
Flow rate = 1250 Nl/min.

Mod.
154-900

CAMOZZI