Manually operated valves Series 1, 3, 4 and VMS

Series 1, 3 and 4: 3/2, 5/2 and 5/3-way CC CO CP
Ports G1/8 - G1/4
Series VMS: 3/2 - way
Ports G1/8 - G1/4 - G3/8 - G1/2

The manual valves Series 3 (G1/8) and Series 4 (G1/4), 3/2 - 5/2-way 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 is 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.

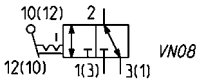
CODING EXAMPLE

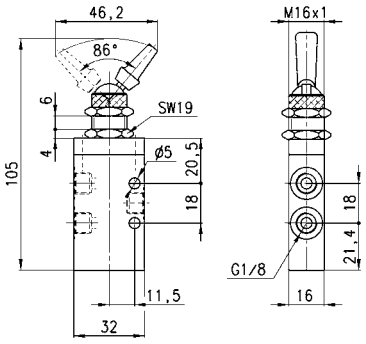
3	3	8	-	900

3	SERIES: 1 3 4
5	FUNCTION: 3 = 3/2 way NC 5 = 5/2 way 6 = 5/3 way CO 7 = 5/3 way CO
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.

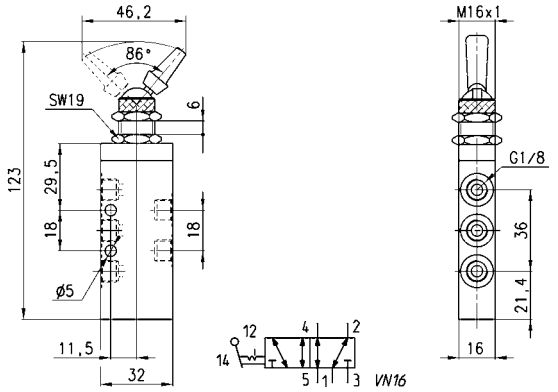




Mod.
338-990

Valve

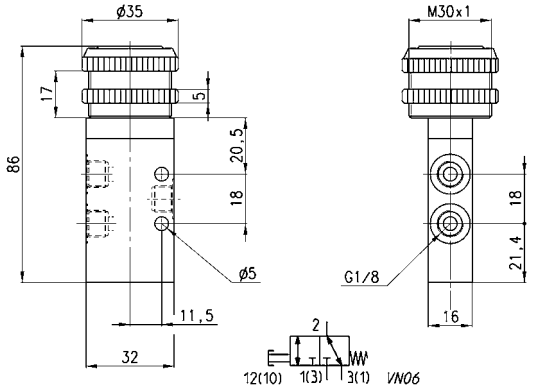
Actuating force = 18N
Operating pressure = -0,9 ÷ 10 bar
Flow rate = 700 Nl/min.



Mod.
358-990

Valves

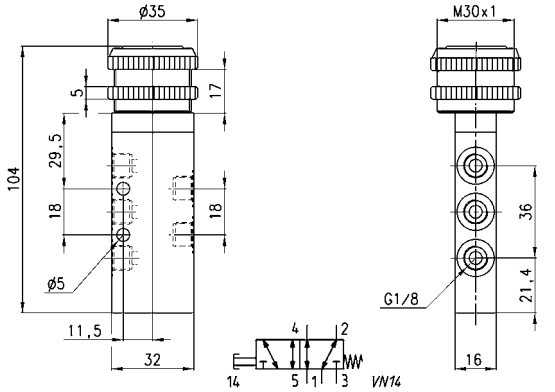
Actuating force = 35N
Operating pressure = -0,9 ÷ 10 bar
Flow rate = 700 Nl/min.



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

Valves

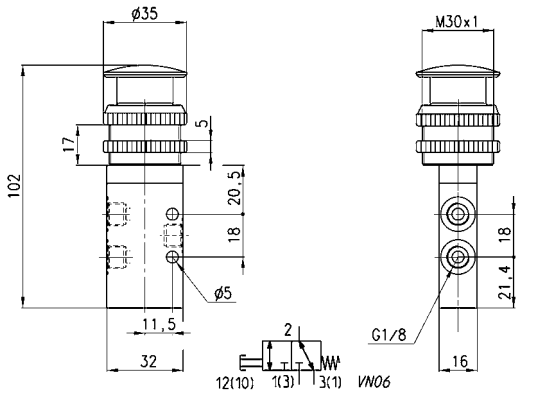
Actuating force = 35N
Operating pressure = -0,9 ÷ 10 bar
Flow rate = 700 Nl/min.



Mod.	Colors
358-895	Black
358-896	Green
358-897	Red

Valves

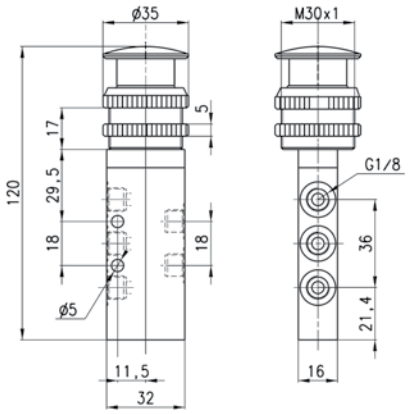
Actuating force = 35N
Operating pressure = -0,9 ÷ 10 bar
Flow rate = 700 Nl/min.

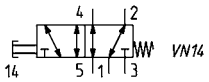


Mod.	Colors
338-975	Black
338-976	Green
338-977	Red

Valves

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

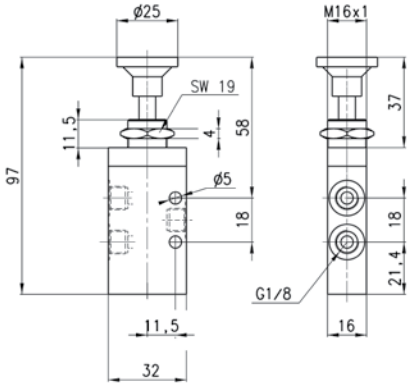


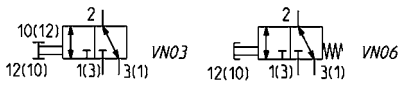


Mod.	Colors
358-975	Black
358-976	Green
358-977	Red

Valves

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

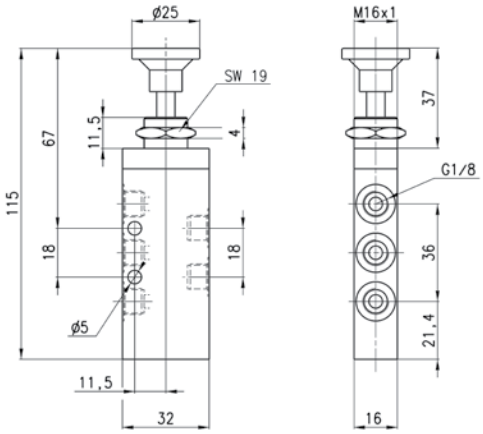


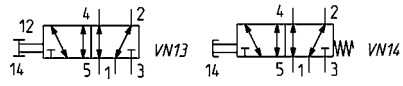


Mod.	Symbol
338-910	A2
338-915	B2

Valves

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

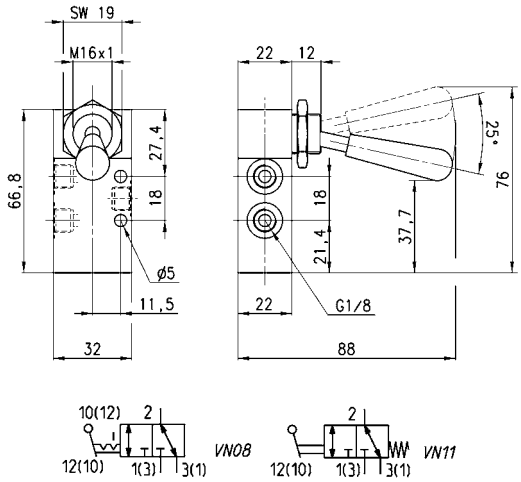




Mod.	Symbol
358-910	H2
358-915	G2

Valves

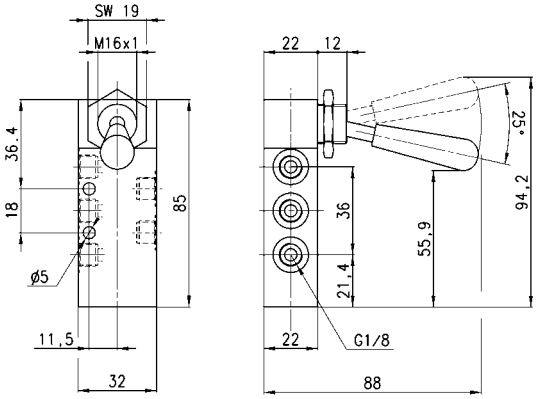
338-910 Actuating force = 6N
338-915 Actuating force = 35N
Operating pressure = -0,9 ÷ 10 bar
Flow rate = 700 Nl/min.

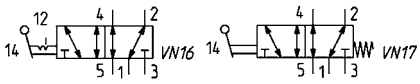


Mod.	Symbol
338-900	I2
338-905	L2

Valves

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

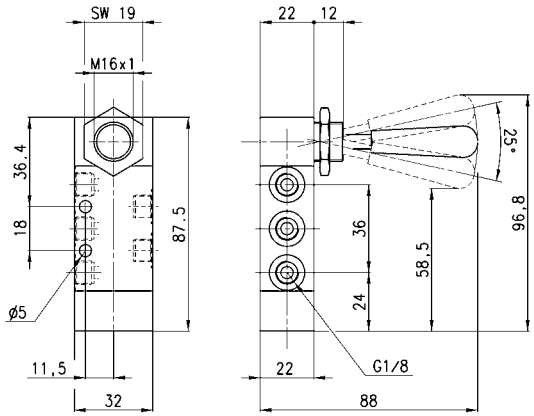


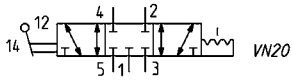


Mod.	Symbol
358-900	Q2
358-905	R2

Valve

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

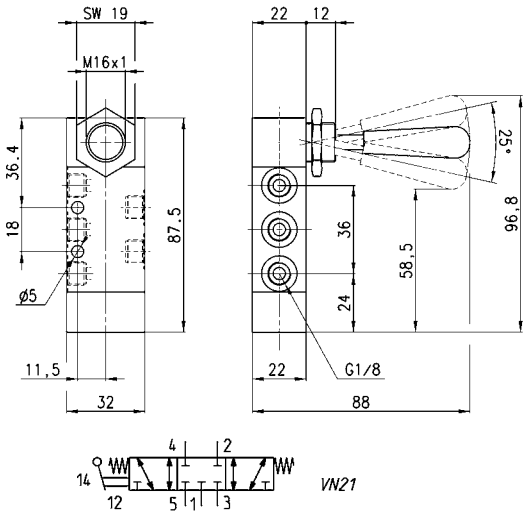




Mod.
368-900

Valve

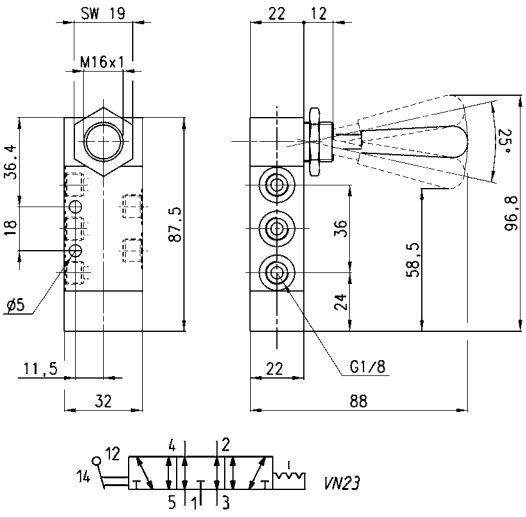
Actuating force = 20N
Operating pressure = -0,9 ÷ 10 bar
Flow rate = 500 Nl/min.



Mod.
368-905

Valve

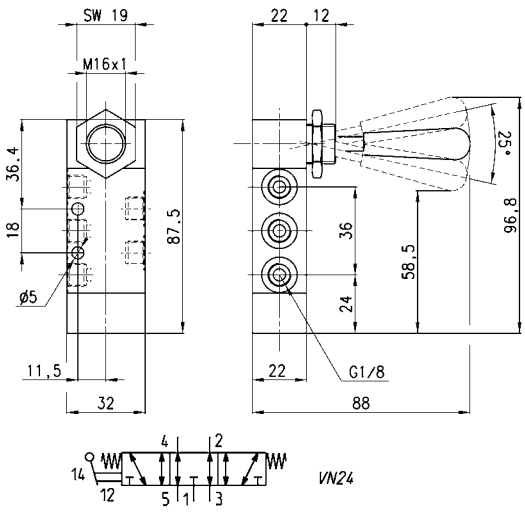
Actuating force = 5N
Operating pressure = -0,9 ÷ 10 bar
Flow rate = 500 Nl/min.



Mod.
378-900

Valve

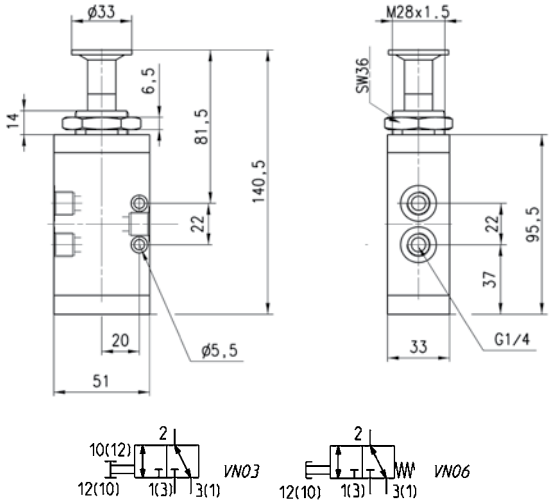
Actuating force = 20N
Operating pressure = -0,9 ÷ 10 bar
Flow rate = 500 Nl/min.



Mod.
378-905

Valves

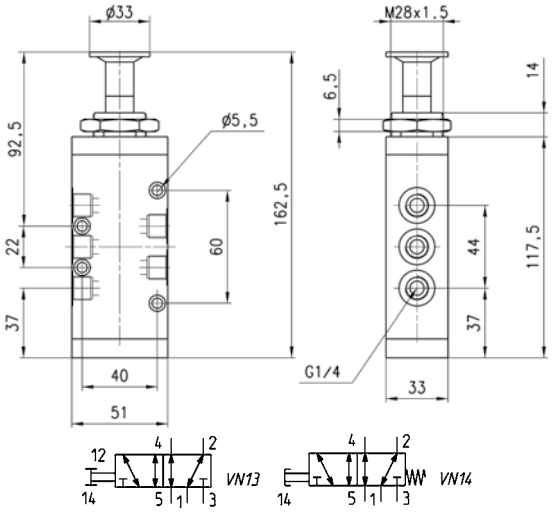
434-910 actuating force = 10N
434-915 actuating force = 37N
Operating pressure = -0,9 ÷ 10 bar
Flow rate = 1250 Nl/min.



Mod.	Symbol
434-910	A2
434-915	B2

Valves

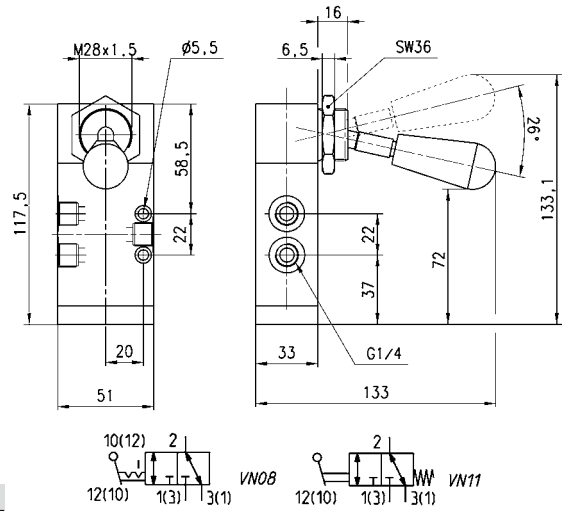
454-910 actuating force = 10N
454-915 actuating force = 37N
Operating pressure = -0,9 ÷ 10 bar
Flow rate = 1250 Nl/min.



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

Valves

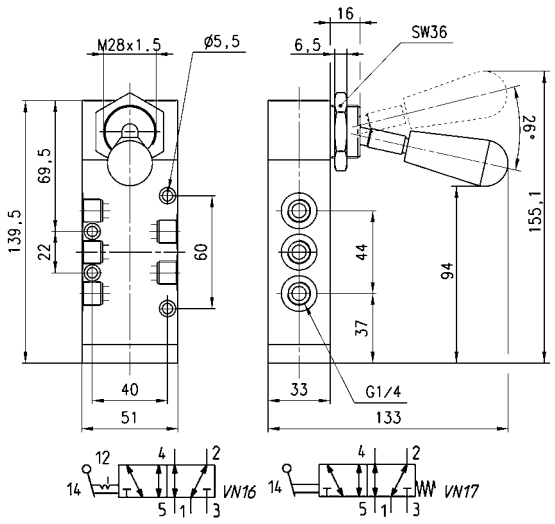
434-900 actuating force = 5N
434-905 actuating force = 37N
Operating pressure = -0,9 ÷ 10 bar
Flow rate = 1250 Nl/min.



Mod.	Symbol
434-900	I2
434-905	L2

Valves

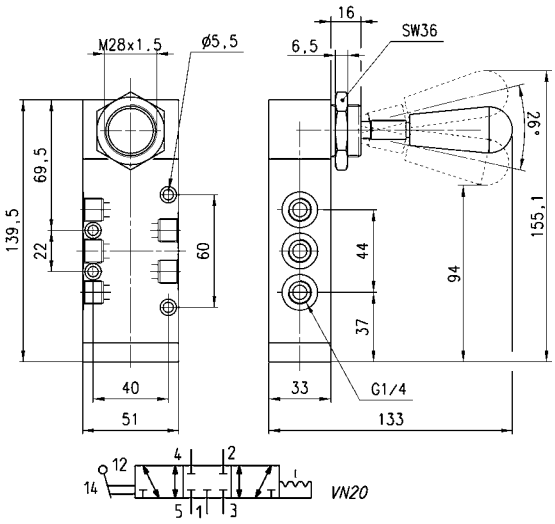
454-900 actuating force = 5N
454-905 actuating force = 37N
Operating pressure = -0,9 ÷ 10 bar
Flow rate = 1250 Nl/min.



Mod.	Symbol
454-900	Q2
454-905	R2

Valve

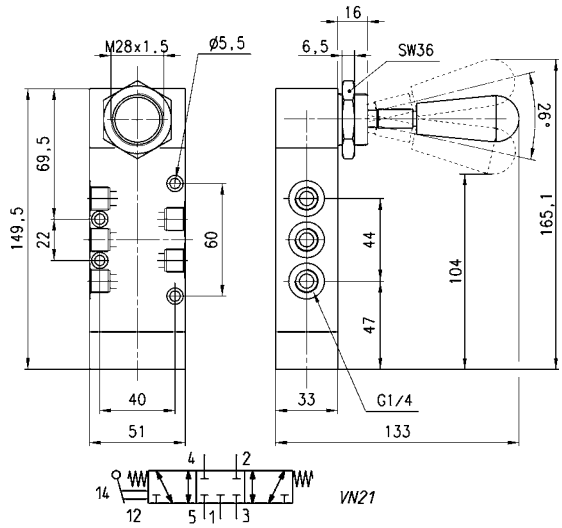
Actuating force = 5N
Operating pressure = -0,9 ÷ 10 bar
Flow rate = 1250 Nl/min.



Mod.
464-900

Valve

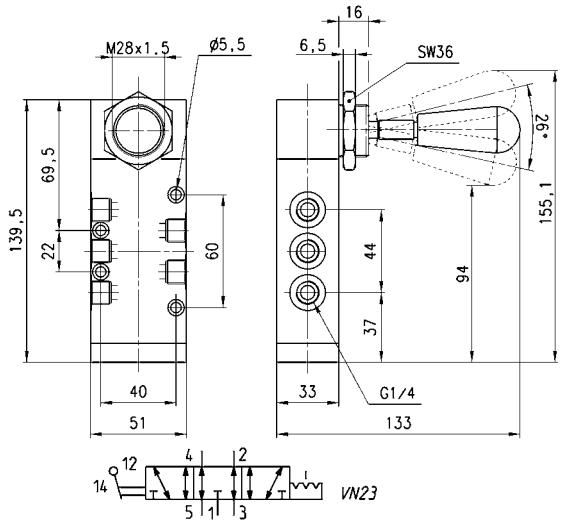
Actuating force = 10N
Operating pressure = -0,9 ÷ 10 bar
Flow rate = 1250 Nl/min.



Mod.
464-905

Valve

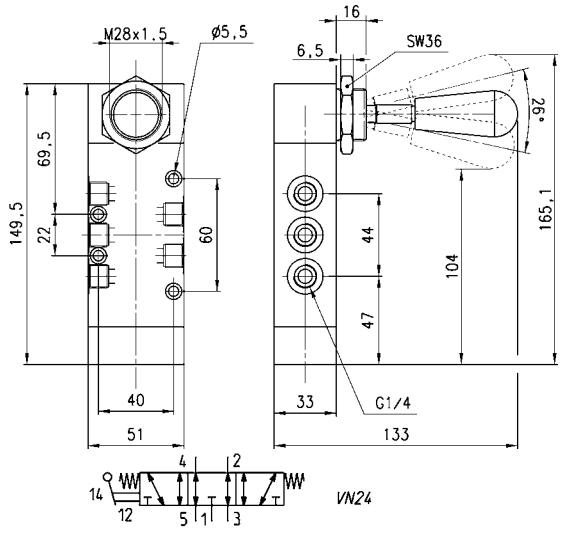
Actuating force = 5N
Operating pressure = -0,9 ÷ 10 bar
Flow rate = 1250 Nl/min.



Mod.
474-900

Valve

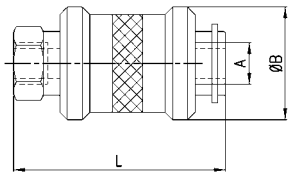
Actuating force = 10N
Operating pressure = -0,9 ÷ 10 bar
Flow rate = 1250 Nl/min.



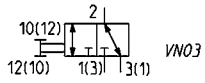
Mod.
474-905

Valves

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

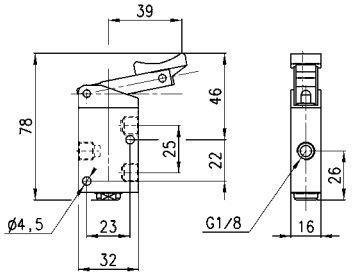


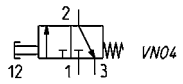
Mod.	A	ØB	L	Q* (Nl/min) 1-2	Q* (Nl/min) 2-3
VMS-105-M5	M5	15	33,5	140	145
VMS-118-1/8	G1/8	25	48	600	740
VMS-114-1/4	G1/4	30	58	1200	1780
VMS-138-3/8	G3/8	35	70	2100	1830
VMS-112-1/2	G1/2	40	80	3350	4030
VMS-134-3/4	G3/4	49,5	83	5350	5000



Valve

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

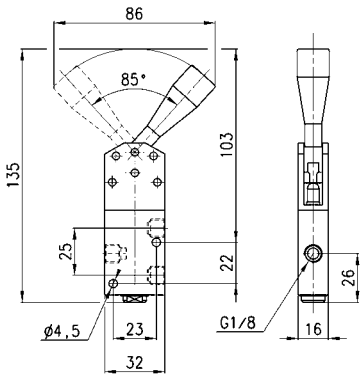


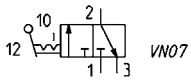


Mod.
138-935

Valve

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

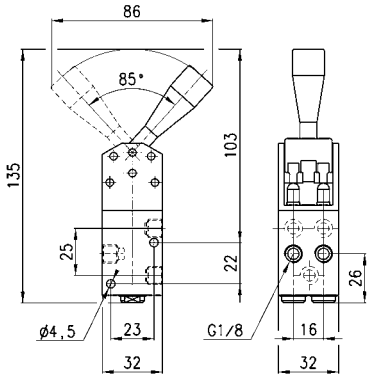


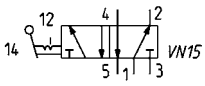


Mod.
138-900

Valve

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

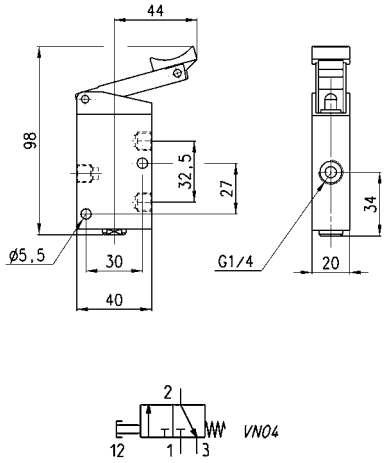




Mod.
158-900

Valve

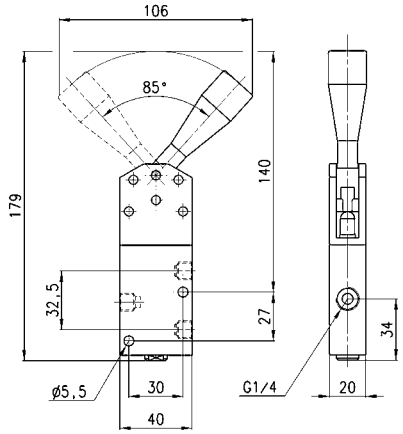
Actuating force at 6 bar = 40N
Operating pressure = 0 ÷ 10 bar
Flow rate = 1250 Nl/min.

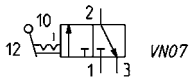


Mod.
134-935

Valve

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

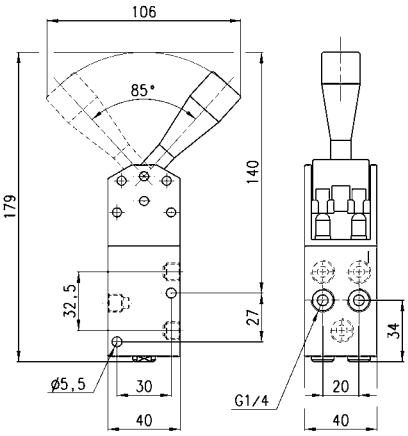


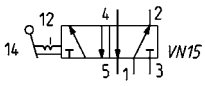


Mod.
134-900

Valve

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





Mod.
154-900