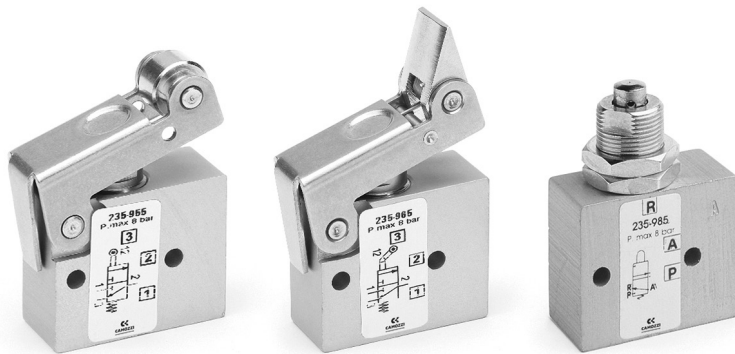


Series 2 mechanically operated minivalves

3/2-way
Ports M5, cartridge Ø 4



Series 2 mechanically operated miniature valves, 3/2-way normally closed, are available with M5 threaded ports or with an integrated super-rapid fitting for Ø 4mm tubes. The devices are actuated by a plunger, roller/lever or a unidirectional lever.

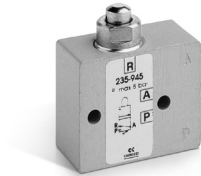
GENERAL DATA

Construction	poppet type
Valve group	3-way/2-position
Materials	aluminium body, brass plunger, NBR seals
Mounting	by means of screws in the through-holes of the valve body
Ports	M5, Ø4mm cartridge
Room temperature	0°C ÷ 60°C
Fluid temperature	0°C ÷ 50°C
Operating pressure	0 bar ÷ 10 bar
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.

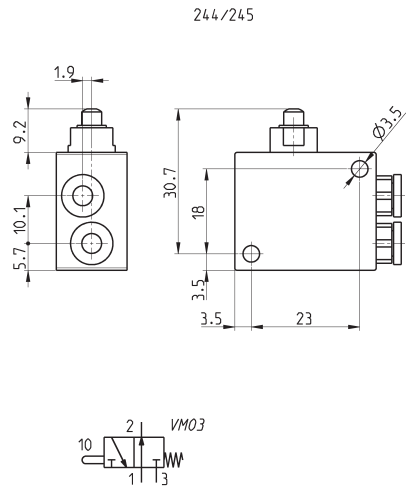
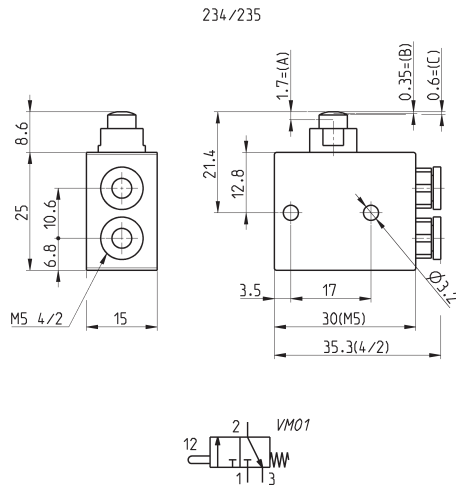
CODING EXAMPLE

2	3	4	-	94	5
2	SERIES				
3	FUNCTION 3 = 3/2-way NC 4 = 3/2-way NO				
4	PORTS 4 = cartridge Ø 4mm 5 = M5				
94	ACTUATION 94 = plunger 95 = lever/roller 96 = unidirectional lever 98 = plunger, panel mounting				
5	RESETTING 5 = spring return				

Minivalves with plunger

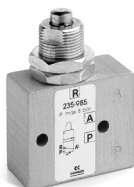


DRAWING LEGEND
A = total stroke
B = pre-stroke
C = effective stroke

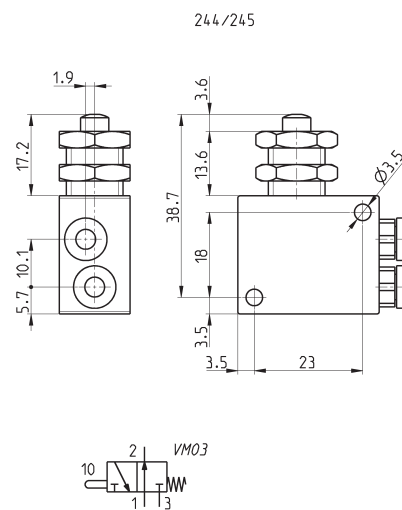
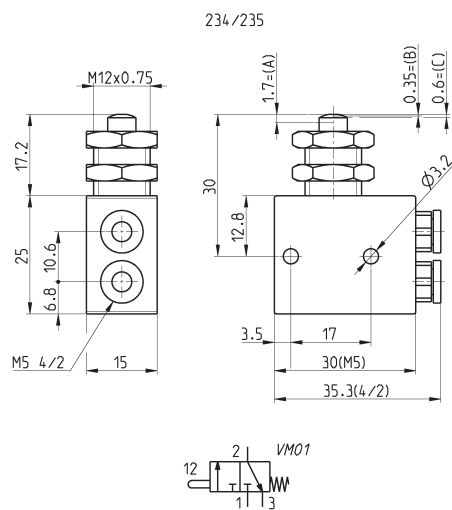


Mod.	Operating pressure (bar)	Flow Qn (NL/min)	Actuating force at 6 bar (N)	SYMBOL
234-945	2 ÷ 10	60	6	VM01
235-945	2 ÷ 10	60	6	VM01
244-945	2 ÷ 10	60	6	VM03
245-945	2 ÷ 10	60	6	VM03

Minivalves with plunger, panel mounting



DRAWING LEGEND
A = total stroke
B = pre-stroke
C = effective stroke

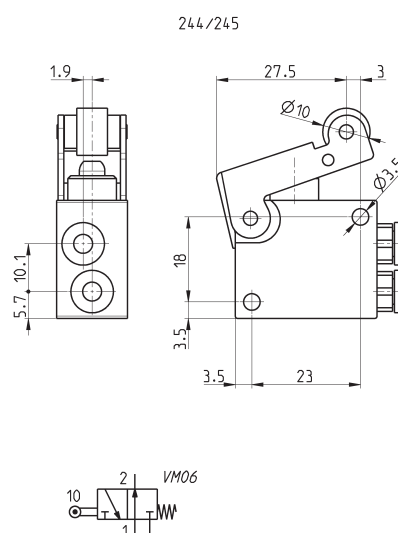
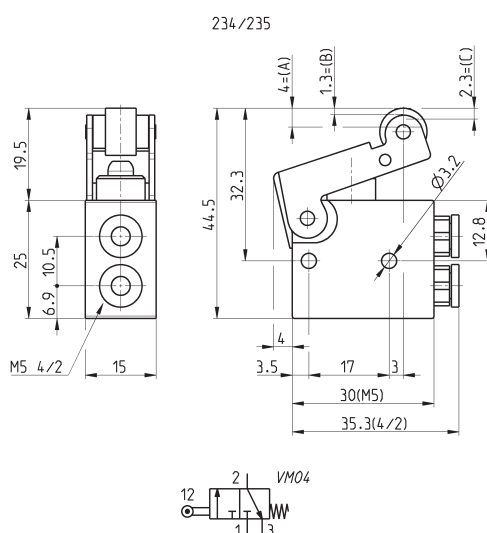


Mod.	Operating pressure (bar)	Flow Qn (l/min)	Actuating force at 6 bar (N)	SYMBOL
234-985	2 ÷ 10	60	6	VM01
235-985	2 ÷ 10	60	6	VM01
244-985	2 ÷ 10	60	6	VM03
245-985	2 ÷ 10	60	6	VM03

Minivalves with lever/roller



DRAWING LEGEND
A = total stroke
B = pre-stroke
C = effective stroke

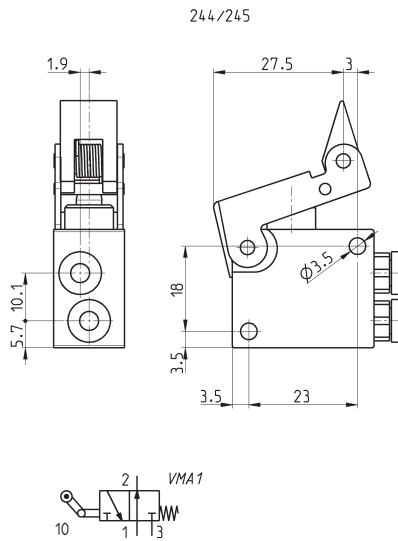
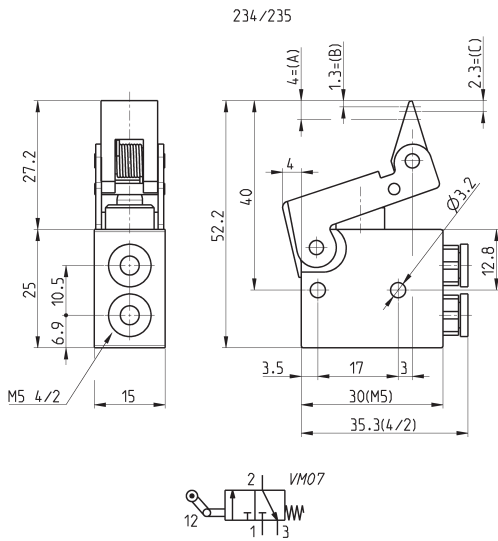


Mod.	Operating pressure (bar)	Flow Qn (l/min)	Actuating force at 6 bar (N)	SYMBOL
234-955	2 ÷ 10	60	6	VM04
235-955	2 ÷ 10	60	6	VM04
244-955	2 ÷ 10	60	6	VM06
245-955	2 ÷ 10	60	6	VM06

Minivalves, unidirectional lever



DRAWING LEGEND
A = total stroke
B = pre-stroke
C = effective stroke



Mod.	Operating pressure (bar)	Flow Qn (NI/min)	Actuating force at 6 bar (N)	SYMBOL
234-965	2 ÷ 10	60	6	VM07
235-965	2 ÷ 10	60	6	VM07
244-965	2 ÷ 10	60	6	VMA1
245-965	2 ÷ 10	60	6	VMA1

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.

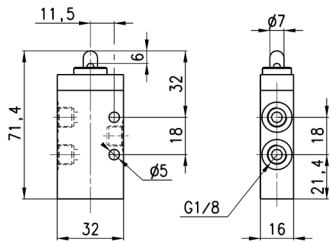
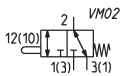
GENERAL DATA

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

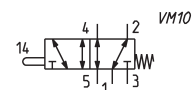
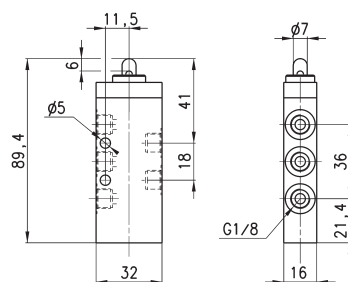
3	3	8	-	94	5
3	SERIES: 1 3				
3	FUNCTION: 3 = 3/2 ways NC 4 = 3/2 ways NO (only Series 1) 5 = 5/2 ways				
8	PORTS: 8 = G1/8 4 = G1/4 (only Series 1)				
94	ACTUATION: 94 = plunger 95 = lever/roller 96 = unidirectional roller				
5	RESETTING: 5 = spring return				

Valve Mod. 338-945



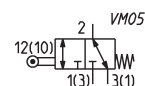
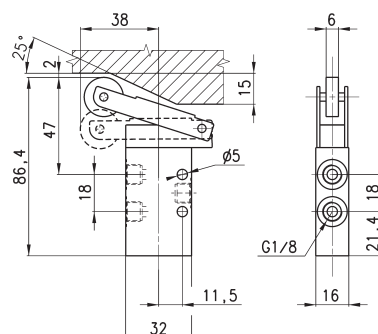
Mod.	Operating pressure (bar)	Flow (l/min)	Actuating force (N)
338-945	-0.9 ÷ 10	700	32

Valve Mod. 358-945



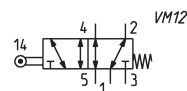
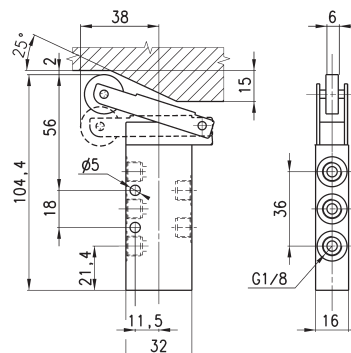
Mod.	Operating pressure (bar)	Flow (NL/min)	Actuating force (N)
358-945	-0.9 ÷ 10	700	35

Valve Mod. 338-955



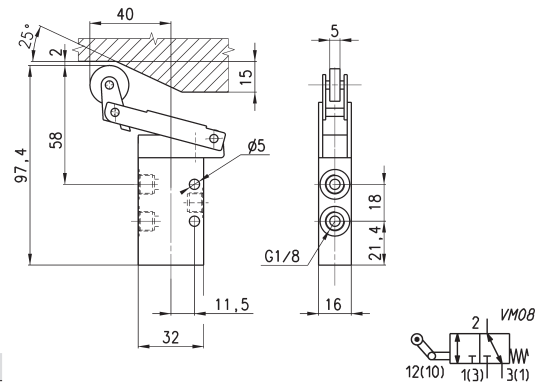
Mod.	Operating pressure (bar)	Flow (NL/min)	Actuating force (N)
338-955	-0.9 ÷ 10	700	15

Valve Mod. 358-955



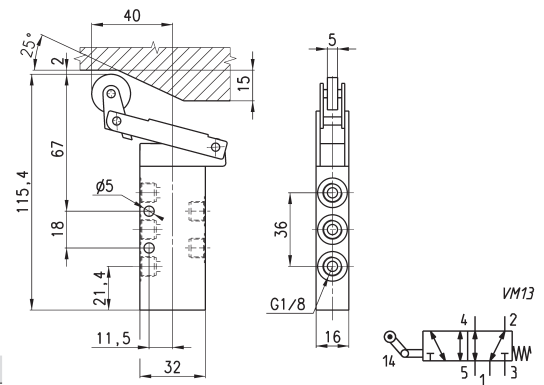
Mod.	Operating pressure (bar)	Flow (NL/min)	Actuating force (N)
358-955	-0.9 ÷ 10	700	17

Valve Mod. 338-965



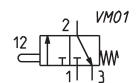
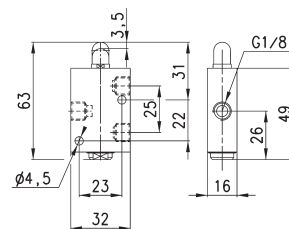
Mod.	Operating pressure (bar)	Flow (l/min)	Actuating force (N)
338-965	-0.9 ÷ 10	700	15

Valve Mod. 358-965



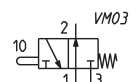
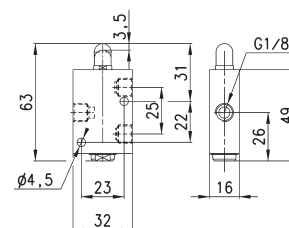
Mod.	Operating pressure (bar)	Flow (l/min)	Actuating force (N)
358-965	-0.9 ÷ 10	700	16

Valve Mod. 138-945



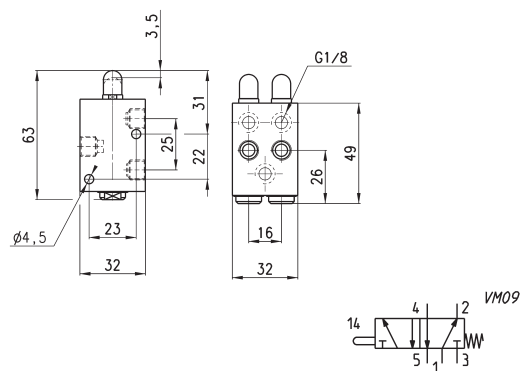
Mod.	Operating pressure (bar)	Flow rate (l/min)	Actuating force at 6 bar (N)
138-945	0 ÷ 10	500	70

Valve Mod. 148-945



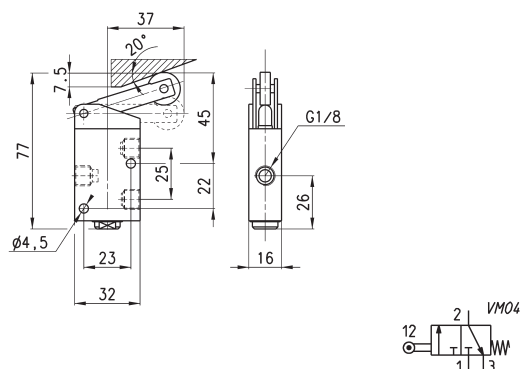
Mod.	Operating pressure (bar)	Flow rate (l/min)	Actuating force at 6 bar (N)
148-945	0 ÷ 10	500	70

Valve Mod. 158-945



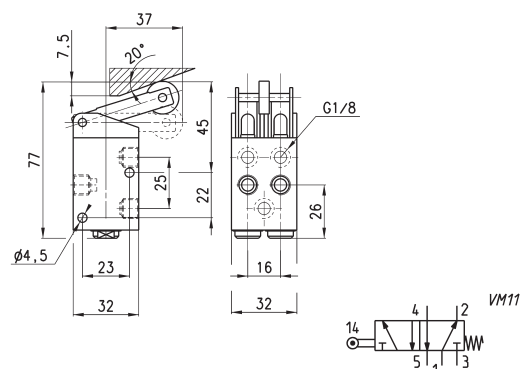
Mod.	Operating pressure (bar)	Flow rate (NL/min)	Actuating force at 6 bar (N)
158-945	0 ÷ 10	500	120

Valve Mod. 138-955



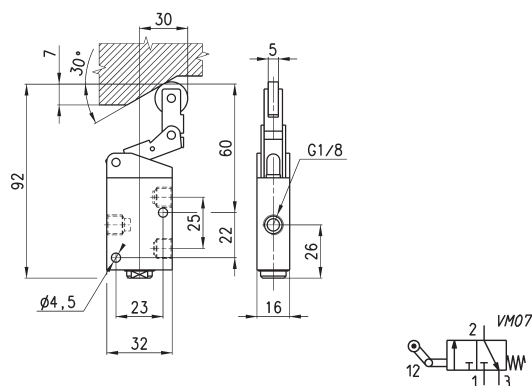
Mod.	Operating pressure (bar)	Flow rate (NL/min)	Actuating force at 6 bar (N)
138-955	0 ÷ 10	500	36

Valve Mod. 158-955



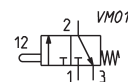
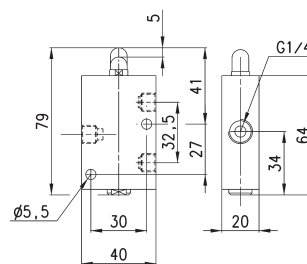
Mod.	Operating pressure (bar)	Flow rate (NL/min)	Actuating force at 6 bar (N)
158-955	0 ÷ 10	500	92

Valve Mod. 138-965



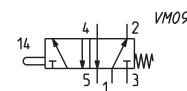
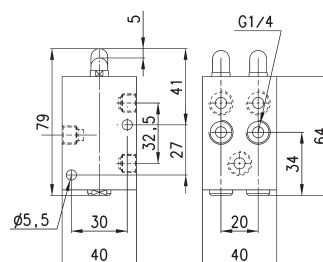
Mod.	Operating pressure (bar)	Flow rate (NL/min)	Actuating force at 6 bar (N)
138-965	0 ÷ 10	500	41

Valve Mod. 134-945



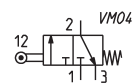
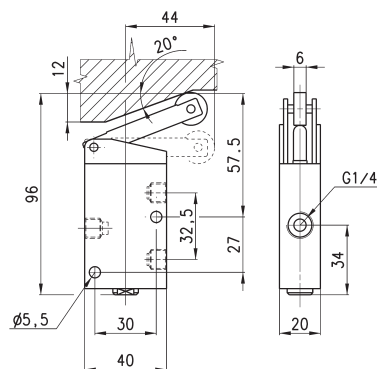
Mod.	Operating pressure (bar)	Flow rate (l/min)	Actuating force at 6 bar (N)
134-945	0 ÷ 10	1250	64

Valve Mod. 154-945



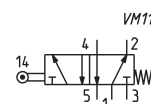
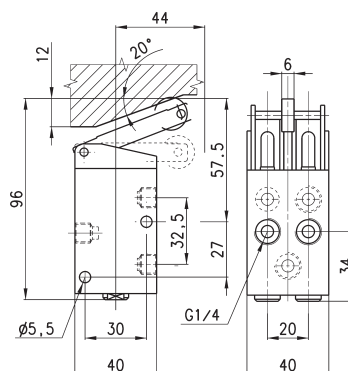
Mod.	Operating pressure (bar)	Flow rate (NL/min)	Actuating force at 6 bar (N)
154-945	0 ÷ 10	1250	147

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

Series 3 and 4 mechanically operated sensor valves

3/2 and 5/2-way
Ports G1/8, G1/4



The particular mechanical device allows these end-stroke valves to operate with very low actuating forces.

Series 3 has been designed with a mechanical lever device which works in negative pressure. To increase sensitivity it is possible to add to the lever a steel extension with $\varnothing 3$ mm.

GENERAL DATA

Construction	spool-type (servocontrolled)
Valve group	3/2, 5/2 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.

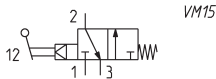
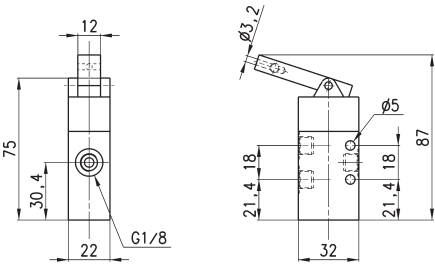
CODING EXAMPLE

3	3	8	-	D15	-	9A5
3	SERIES: 3 4					
3	FUNCTION: 3 = 3/2-way NC 4 = 3/2-way NO 5 = 5/2-way					
8	PORTS: 8 = G1/8 4 = G1/4					
D15	ACTUATION: D15 = pressure drop/spring 015 = pressure/spring 011 = pressure/pressure					
9A5	DEVICES: 9A5 = lever sensor, spring return 194 = plunger sensor, spring return 294 = plunger sensor, bistable					
					195 = lever/roller, spring return 295 = lever/roller, bistable	

Valve Mod. 338-D15-9A5



The function of the valve is indicated by the symbol when operating between 4 and 10 bar.

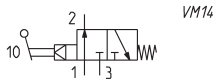
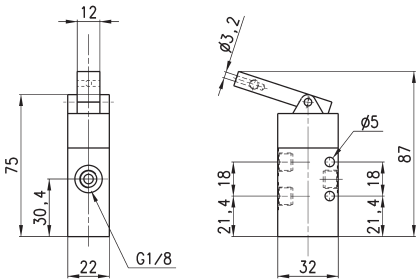


Mod.	Operating pressure (bar)	Flow rate (l/min)	Actuating force at 6 bar (N)
338-D15-9A5	4 ÷ 10	700	2

Valve Mod. 348-D15-9A5



The function of the valve is indicated by the symbol when operating between 4 and 10 bar.

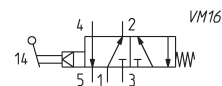
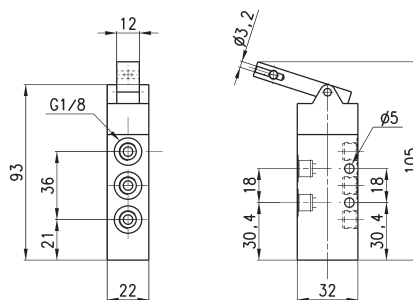


Mod.	Operating pressure (bar)	Flow rate (l/min)	Actuating force at 6 bar (N)
348-D15-9A5	4 ÷ 10	700	2

Valve Mod. 358-D15-9A5

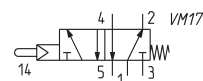
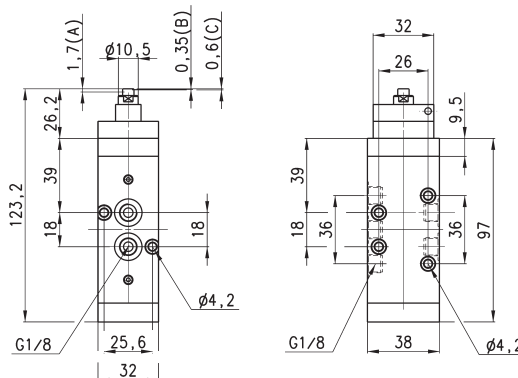


The function of the valve is indicated by the symbol when operating between 4 and 10 bar.



Mod.	Operating pressure (bar)	Flow rate (NL/min)	Actuating force at 6 bar (N)
358-D15-9A5	4 ÷ 10	700	2

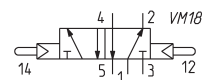
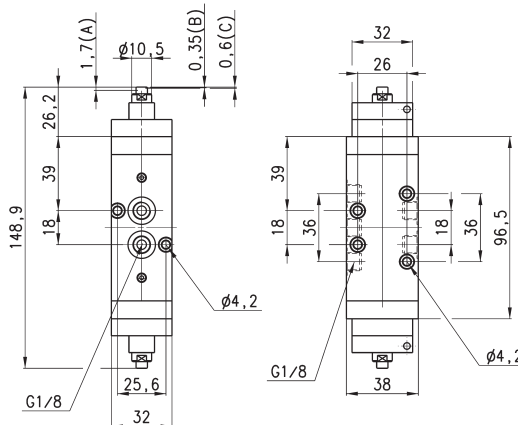
Valve Mod. 458-015-194



Mod.	Operating pressure (bar)	Flow rate (NL/min)	Actuating force at 6 bar (N)
458-015-194	2.5 ÷ 8	650	6

(A) = total stroke
(B) = pre-stroke
(C) = useful stroke

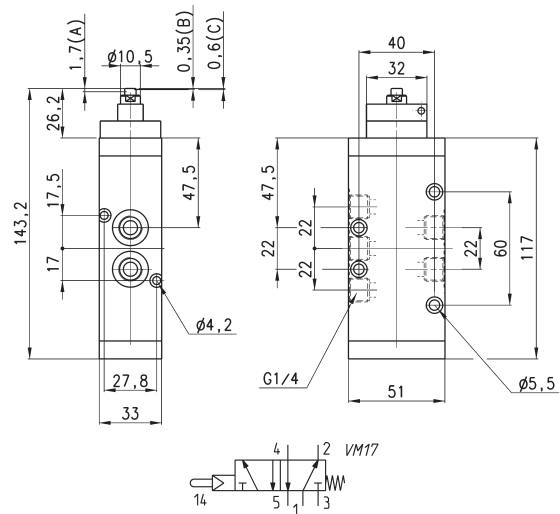
Valve Mod. 458-011-294



Mod.	Operating pressure (bar)	Flow rate (NL/min)	Actuating force at 6 bar (N)
458-011-294	2 ÷ 8	650	6

(A) = total stroke
(B) = pre-stroke
(C) = useful stroke

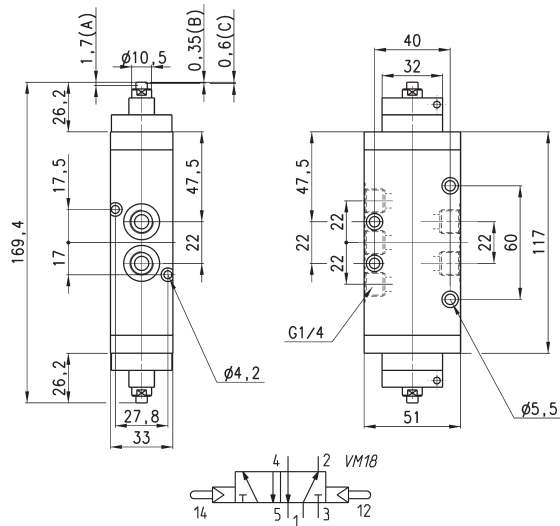
Valve Mod. 454-015-194



Mod.	Operating pressure (bar)	Flow rate (NL/min)	Actuating force at 6 bar (N)
454-015-194	2.5 ÷ 8	1250	6

(A) = total stroke
(B) = pre-stroke
(C) = useful stroke

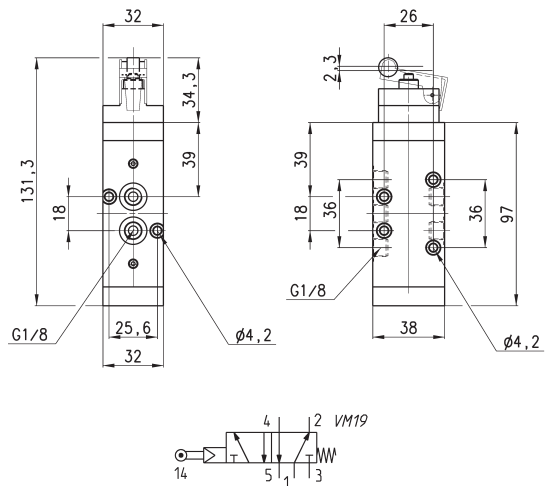
Valve Mod. 454-011-294



Mod.	Operating pressure (bar)	Flow rate (NL/min)	Actuating force at 6 bar (N)
454-011-294	2 ÷ 8	1250	6

(A) = total stroke
(B) = pre-stroke
(C) = useful stroke

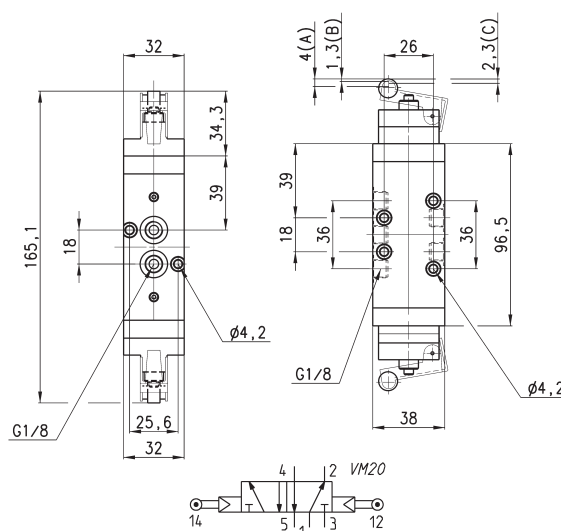
Valve Mod. 458-015-195



Mod.	Operating pressure (bar)	Flow rate (NL/min)	Actuating force at 6 bar (N)
458-015-195	2.5 ÷ 8	650	4

(A) = total stroke
(B) = pre-stroke
(C) = useful stroke

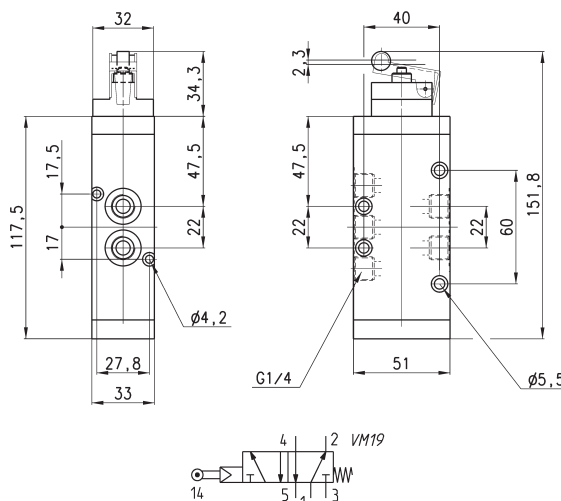
Valve Mod. 458-011-295



Mod.	Operating pressure (bar)	Flow rate (NL/min)	Actuating force at 6 bar (N)
458-011-295	2 ÷ 8	650	4

(A) = total stroke
(B) = pre-stroke
(C) = useful stroke

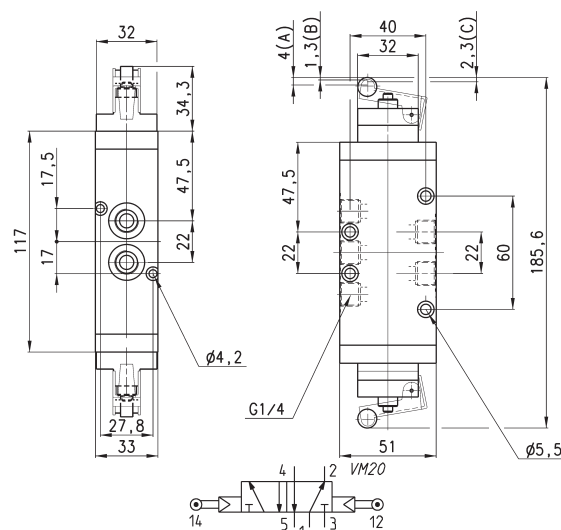
Valve Mod. 454-015-195



Mod.	Operating pressure (bar)	Flow rate (NL/min)	Actuating force at 6 bar (N)
454-015-195	2.5 ÷ 8	1250	4

(A) = total stroke
(B) = pre-stroke
(C) = useful stroke

Valve Mod. 454-011-295



Mod.	Operating pressure (bar)	Flow rate (NL/min)	Actuating force at 6 bar (N)
454-011-295	2 ÷ 8	1250	4

(A) = total stroke
(B) = pre-stroke
(C) = useful stroke

Foot operated pedal

Electrical and pneumatic - Series 3

Pneumatic - Series 2

Series 3: G1/4, 5/2-way - NC / NO contacts

Series 2: M5; 4/2 tube; 3/2-way NC



The pedals can be supplied in either a pneumatic or electrical foot operated version. The pneumatic type is available with a 5/2 valve and G1/4 front ports, which allow the fittings and silencers to be assembled conveniently on the front face. A 3/2 operation can be obtained by closing an outlet port.

The electrical type is available with a single-pole changeover contact microswitch and a front wire outlet (PG9).

The pedal can be operated as bistable or monostable, by switching the selector placed under the small red protection flap, as shown in the drawing.

GENERAL DATA

Construction	spool-type
Valve group	5/2, 3/2 NC way/pos.
Materials	- Series 3: aluminium body - stainless steel spool - NBR seals - plastic casing - Series 2: aluminium body - OT58 poppet - NBR seals.
Ports	- Series 3: G1/4 gas - Series 2: M5; tube 4/2.
Ambient temperature	0°C ÷ 50 °C (with dry air at - 10°C)
Medium temperature	0°C ÷ 50 °C
Construction	single-pole changeover contact microswitch
Cable entry	by means of wire PG9
Protection class	IP20
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.

Series 2 manually operated console minivalves

3/2 NC, NO

Ports M5, Cartridge Ø 4



This series of miniature valves has been especially designed to satisfy all the application requirements of the controls industry with particular attention paid to the operating characteristics required from these components:

- short operational stroke
- small dimensions

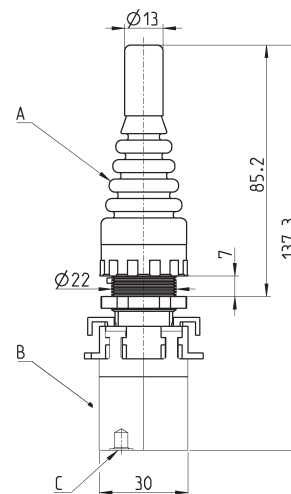
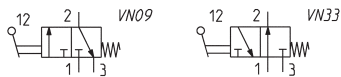
GENERAL DATA

Construction	poppet-type (closed centres)
Valve group	3/2 NC, NO 5/2 and 5/3 CO
Materials	aluminium body, brass plunger, NBR seals
Mounting	panel
Ports	M5 or cartridge dia. 4
Ambient temperature	0°C ÷ 60°C
Medium temperature	0°C ÷ 50°C
Operating pressure	see models

CODING EXAMPLE

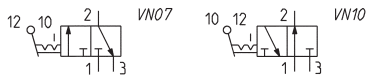
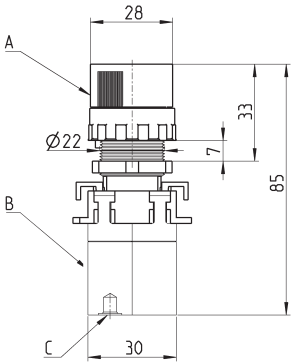
2	3	4	-	97	5
2	SERIES				
3	FUNCTION: 3 = 3/2-way NC 4 = 3/2-way NO 8 = 5/3-way CO (function realized with 2x 3/2-way NC valves)				
4	PORTS: 4 = cartridge Ø 4 5 = M5				
97	MODE OF OPERATION: 87 = 3 position selector 89 = push button 97 = palm switch 90 = joystick 99 = 2 position selector 92 = pedal 904 = key				
5	RESETTING: 5 = spring return 0 = stable 2 = latching-twist to release 54 = joystick				

Minivalves Mod. 23..-905, 24..-905



Mod.	Operating pressure (bar)	Flow (NL/min)	A	B	C (Supply/port)	Symbols
234-905	2 ÷ 8	60	200-905	234-000	Ø4/2	VN09
235-905	2 ÷ 8	60	200-905	235-000	M5	VN09
244-905	2 ÷ 8	60	200-905	244-000	Ø4/2	VN33
245-905	2 ÷ 8	60	200-905	245-000	M5	VN33

Minivalves Mod. 23...-990, 24...-990

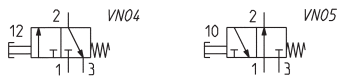
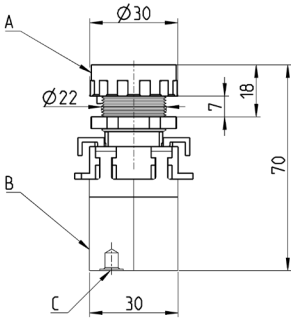


Mod.	Operating pressure (bar)	Flow (l/min)	A	B	C (Supply/port)	Symbols
234-990	2 ÷ 8	60	200-990	234-000	Ø4/2	VN07
235-990	2 ÷ 8	60	200-990	235-000	M5	VN07
244-990	2 ÷ 8	60	200-990	244-000	Ø4/2	VN10
245-990	2 ÷ 8	60	200-990	245-000	M5	VN10

Minivalves Mod. 23...-895, 24...-895

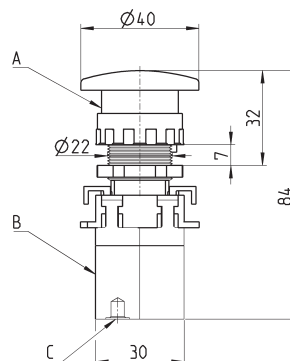
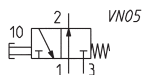
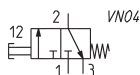


The packaging of the button includes 3 interchangeable disks in the colours red, black and green.



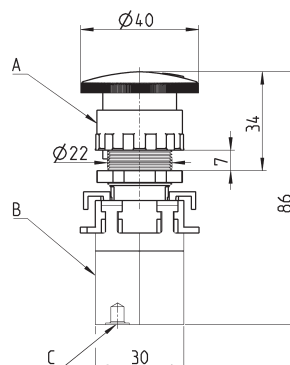
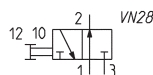
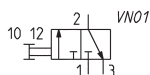
Mod.	Operating pressure (bar)	Flow (l/min)	Actuating force at 6 bar (N)	A	B	C (Supply/port)	Symbols
234-895	2 ÷ 8	60	7	200-895	234-000	Ø4/2	VN04
235-895	2 ÷ 8	60	7	200-895	235-000	M5	VN04
244-895	2 ÷ 8	60	7	200-895	244-000	Ø4/2	VN05
245-895	2 ÷ 8	60	7	200-895	245-000	M5	VN05

Minivalves Mod. 23...-975, 24...-975



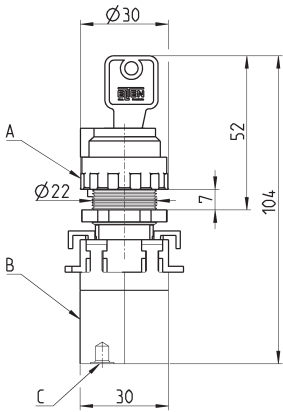
Mod.	Operating pressure (bar)	Flow (NL/min)	Actuating force at 6 bar (N)	A	B	C (Supply/port)	Symbols
234-975	2 ÷ 8	60	7	200-975	234-000	Ø4/2	VN04
235-975	2 ÷ 8	60	7	200-975	235-000	M5	VN04
244-975	2 ÷ 8	60	7	200-975	244-000	Ø4/2	VN05
245-975	2 ÷ 8	60	7	200-975	245-000	M5	VN05

Minivalves Mod. 23...-972, 24...-972



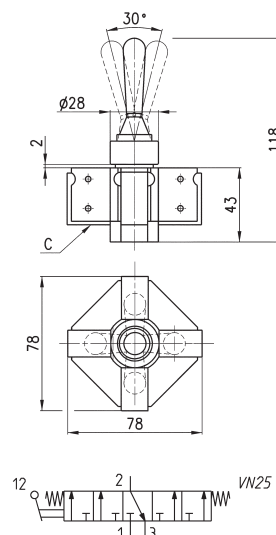
Mod.	Operating pressure (bar)	Flow (NL/min)	Actuating force at 6 bar (N)	A	B	C (Supply/port)	Symbols
234-972	2 ÷ 8	60	7	200-972	234-000	Ø4/2	VN01
235-972	2 ÷ 8	60	7	200-972	235-000	M5	VN01
244-972	2 ÷ 8	60	7	200-972	244-000	Ø4/2	VN28
245-972	2 ÷ 8	60	7	200-972	245-000	M5	VN28

Minivalves Mod. 23...-904, 24...-904



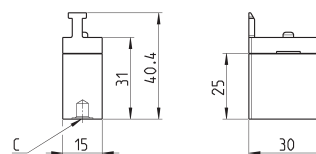
Mod.	Operating pressure (bar)	Flow (NL/min)	A	B	C (Supply/port)	Symbols
234-904	2 ÷ 8	60	200-904	234-000	Ø4/2	VN02
235-904	2 ÷ 8	60	200-904	235-000	M5	VN02
244-904	2 ÷ 8	60	200-904	244-000	Ø4/2	VN31
245-904	2 ÷ 8	60	200-904	245-000	M5	VN31

Joystick valves Mod. 234-9054, 235-9054

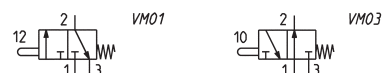


Mod.	Minimum pressure (bar)
234-9054	2
235-9054	2

Minivalves Mod. 234-000, 235-000, 244-000, 245-000



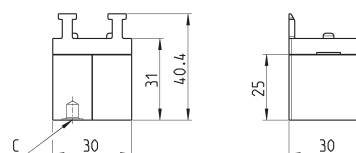
Mod.	Operating pressure (bar)	Flow (NL/min)	Symbols
234-000	2 ÷ 8	60	VM01
235-000	2 ÷ 8	60	VM01
244-000	2 ÷ 8	60	VM03
245-000	2 ÷ 8	60	VM03



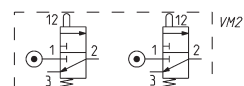
Minivalves Mod. 284-000, 285-000



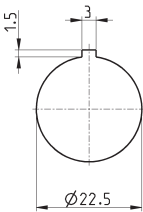
The codes shown in the table are composed by two 3/2-way valves NC which can be operated with the control device Mod. 200-870 only.



Mod.	Operating pressure (bar)	Flow (NL/min)	Symbols
284-000	2 ÷ 8	60	VM21
285-000	2 ÷ 8	60	VM21



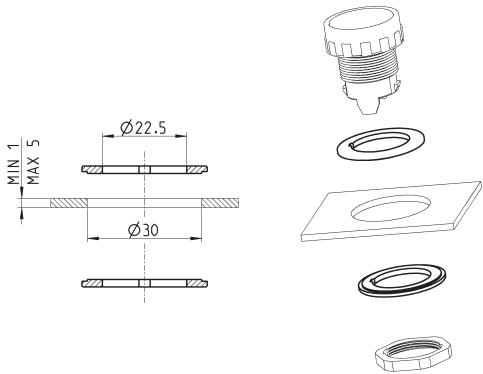
Drilling for mounting



Adaptor

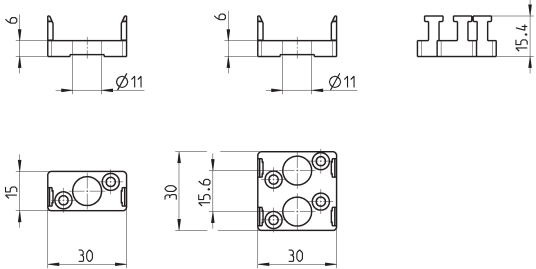


Panel hole adaptor Ø30
Supplied with:
2x reduction rings



Mod.
200-2230

End cover



Mod.
210-000
220-000

Series 1, 3, 4 and VMS manually operated valves

Series 1, 3 and 4: 3/2-, 5/2- and 5/3-way CC, CO; ports G1/8, G1/4
Series VMS: 3/2-way; ports M5, G1/8, G1/4, G3/8, G1/2 and G3/4



Series 3 manual valves (G1/8) and Series 4 (G1/4), 3/2-, 5/2- and 5/3-way, are available with several devices designed to satisfy different needs.

Series 1 is provided with two devices: pushbutton (3/2-way) and lever (3/2 and 5/2-way).

Series VMS valves are 3/2-way slide valves which are available with ports M5, G1/8, G1/4, G3/8, G1/2 and G3/4.

The 3/2-way valves Series 3 and 4 are normally closed when 1 is the inlet and they can also be normally open when 3 is the inlet.

Series 3 and 4 5/2-way valves can be supplied via 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

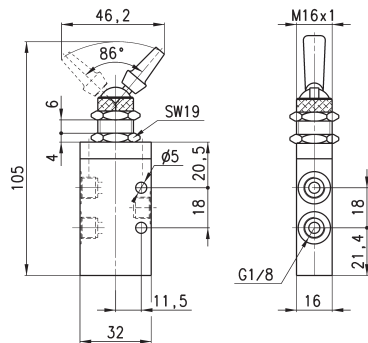
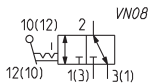
Construction	Series 3 and 4: spool-type Series 1: poppet-type Series VMS: slide
Function	Series 1, 3 and 4: 3/2 - 5/2 - 5/3 ways CC CO Series VMS: 3/2-way
Materials	aluminium body, stainless steel spool, brass poppet, NBR seals
Ports	Series 1, 3 and 4: G1/8, G1/4 Series VMS: M5, G1/8, G1/4, G3/8, G1/2, G3/4
Ambient temperature	0°C ÷ 60°C
Medium temperature	0°C ÷ 50°C
Operating pressure	see the single 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.

SERIES 1, 3, 4 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 CC 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			

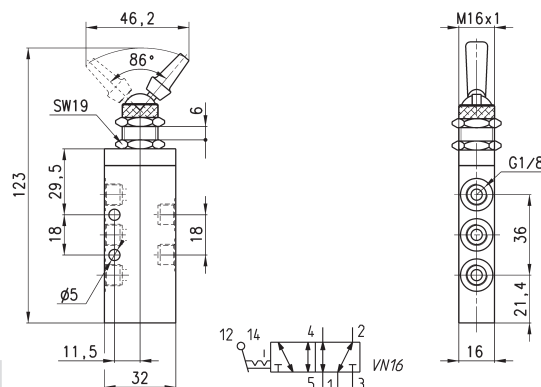
SERIES 1, 3, 4 AND VMS MANUALLY OPERATED VALVES

Valve Mod. 338-990



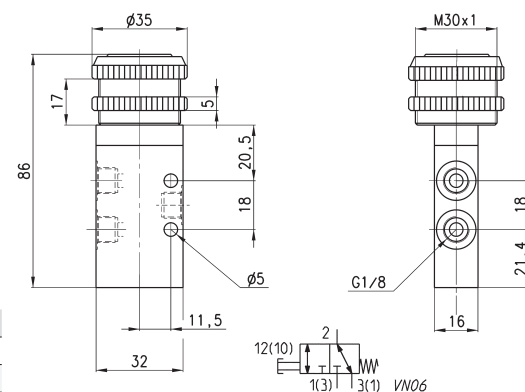
Mod.	Operating pressure (bar)	Flow (l/min)	Actuating force (N)
338-990	-0.9 ÷ 10	700	18

Valve Mod. 358-990



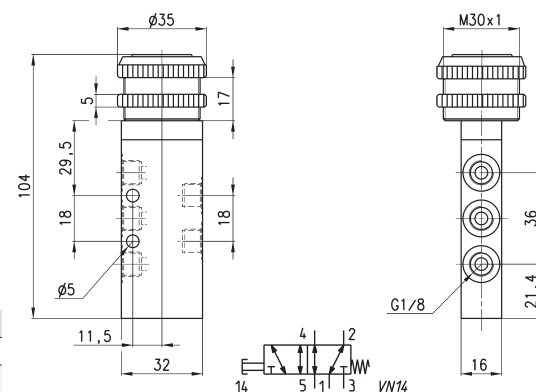
Mod.	Operating pressure (bar)	Flow (NL/min)	Actuating force (N)
358-990	-0.9 ÷ 10	700	18

Valves Mod. 338-89...



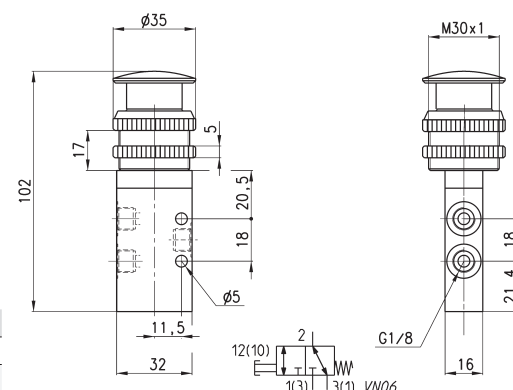
Mod.	Operating pressure (bar)	Flow (NL/min)	Actuating force (N)	Colors
338-895	-0.9 ÷ 10	700	35	Black
338-896	-0.9 ÷ 10	700	35	Green
338-897	-0.9 ÷ 10	700	35	Red

Valves Mod. 358-89...



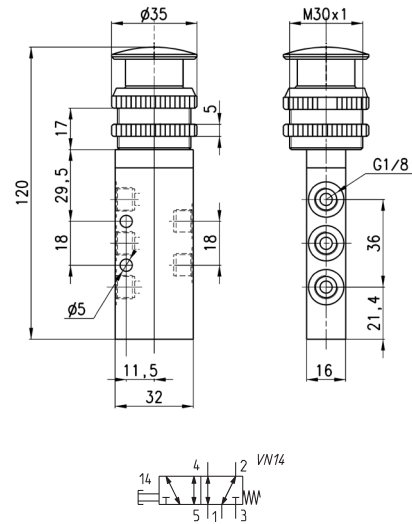
Mod.	Operating pressure (bar)	Flow (NL/min)	Actuating force (N)	Colors
358-895	-0.9 ÷ 10	700	35	Black
358-896	-0.9 ÷ 10	700	35	Green
358-897	-0.9 ÷ 10	700	35	Red

Valves Mod. 338-97...



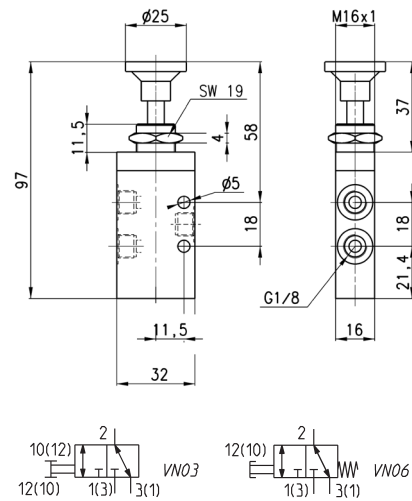
Mod.	Operating pressure (bar)	Flow (NL/min)	Actuating force (N)	Colors
338-975	-0.9 ÷ 10	700	35	Black
338-976	-0.9 ÷ 10	700	35	Green
338-977	-0.9 ÷ 10	700	35	Red

Valves Mod. 358-97...



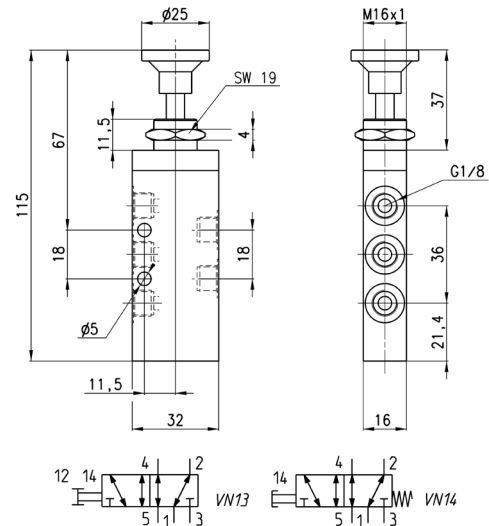
Mod.	Operating pressure (bar)	Flow (NL/min)	Actuating force (N)	Colors
358-975	-0.9 ÷ 10	700	35	Black
358-976	-0.9 ÷ 10	700	35	Green
358-977	-0.9 ÷ 10	700	35	Red

Valves Mod. 338-91...



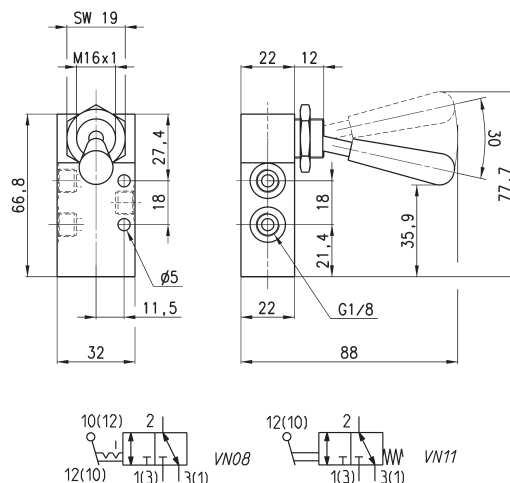
Mod.	Operating pressure (bar)	Flow (NL/min)	Actuating force (N)	Symbol
338-910	-0.9 ÷ 10	700	6	VN03
338-915	-0.9 ÷ 10	700	35	VN06

Valves Mod. 358-91...



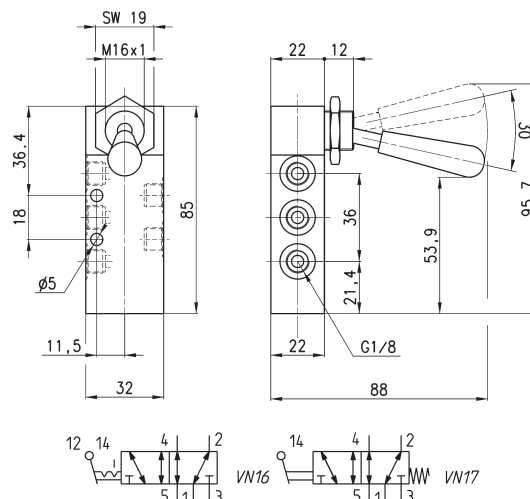
Mod.	Operating pressure (bar)	Flow (NL/min)	Actuating force (N)	Symbol
358-910	-0.9 ÷ 10	700	6	VN13
358-915	-0.9 ÷ 10	700	35	VN14

Valves Mod. 338-90...



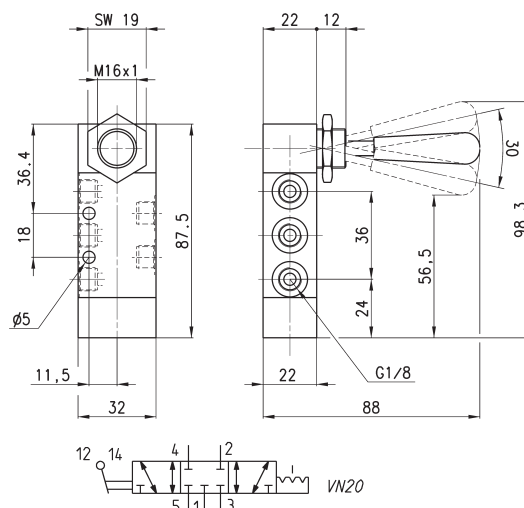
Mod.	Operating pressure (bar)	Flow (NL/min)	Actuating force (N)	Symbol
338-900	-0.9 ÷ 10	700	5	VN08
338-905	-0.9 ÷ 10	700	22	VN11

Valves Mod. 358-90...



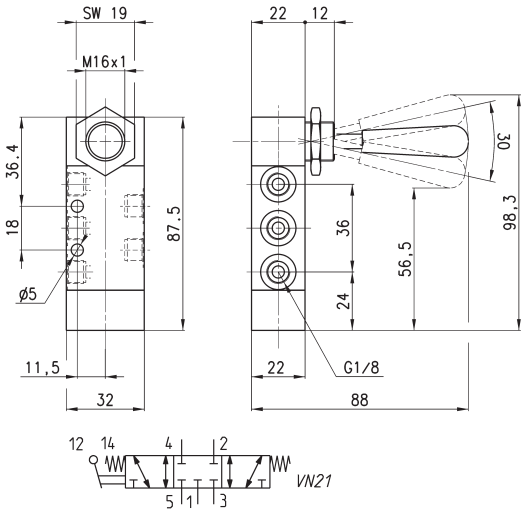
Mod.	Operating pressure (bar)	Flow (NL/min)	Actuating force (N)	Symbol
358-900	-0.9 ÷ 10	700	5	VN16
358-905	-0.9 ÷ 10	700	22	VN17

Valve Mod. 368-900



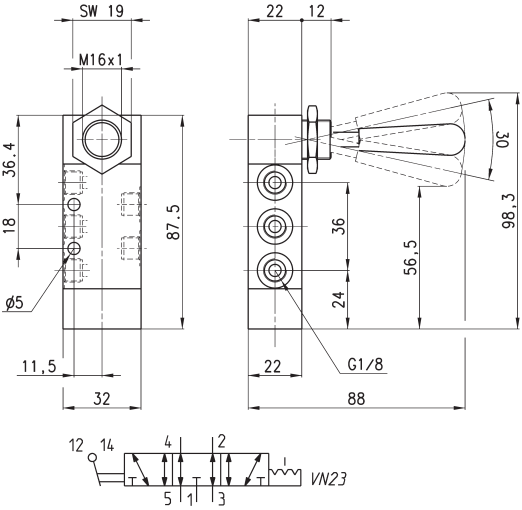
Mod.	Operating pressure (bar)	Flow (NL/min)	Actuating force (N)
368-900	-0.9 ÷ 10	500	5

Valve Mod. 368-905



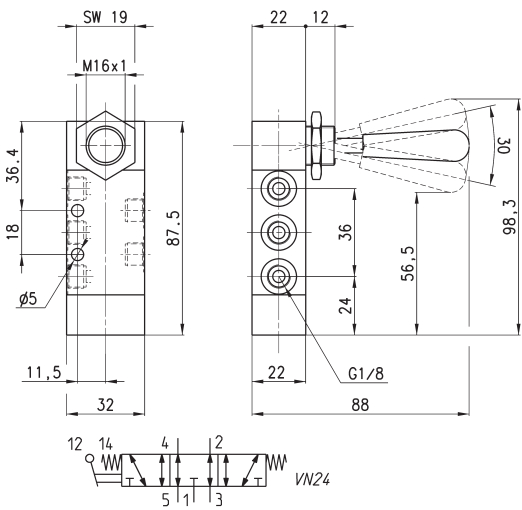
Mod.	Operating pressure (bar)	Flow (NL/min)	Actuating force (N)
368-905	-0.9 ÷ 10	500	20

Valve Mod. 378-900



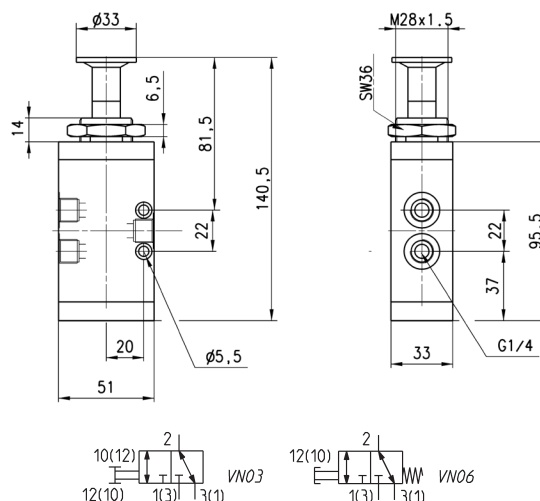
Mod.	Operating pressure (bar)	Flow (NL/min)	Actuating force (N)
378-900	-0.9 ÷ 10	500	5

Valve Mod. 378-905



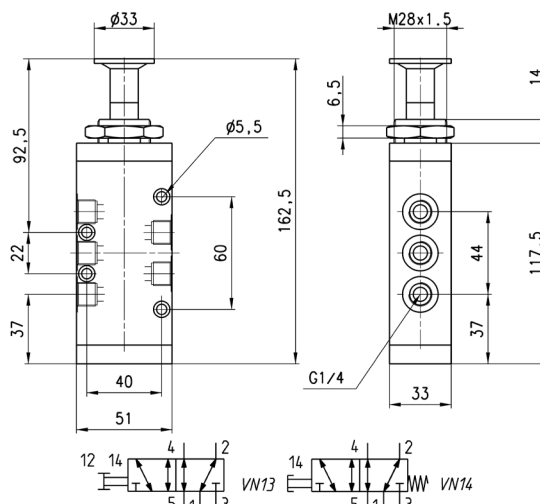
Mod.	Operating pressure (bar)	Flow (NL/min)	Actuating force (N)
378-905	-0.9 ÷ 10	500	20

Valves Mod. 434-91...



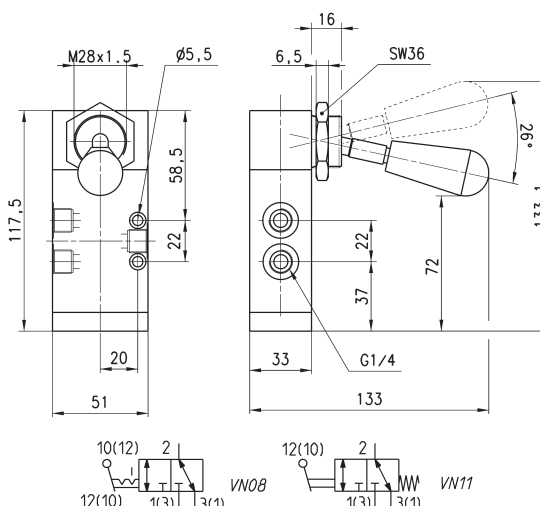
Mod.	Operating pressure (bar)	Flow (NL/min)	Actuating force (N)	Symbol
434-910	-0.9 ÷ 10	1250	10	VN03
434-915	-0.9 ÷ 10	1250	37	VN06

Valves Mod. 454-91...



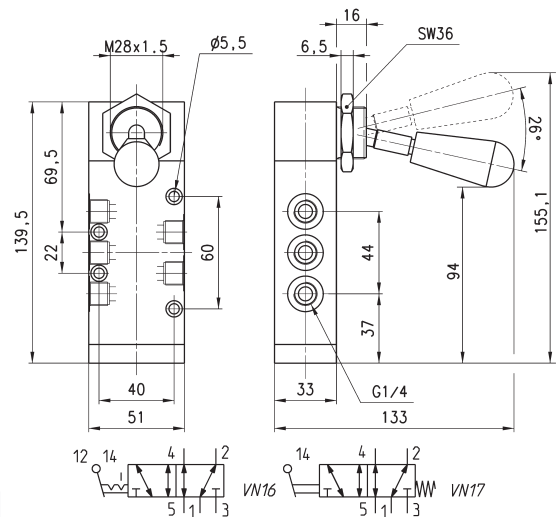
Mod.	Operating pressure (bar)	Flow (NL/min)	Actuating force (N)	Symbol
454-910	-0.9 ÷ 10	1250	10	VN13
454-915	-0.9 ÷ 10	1250	37	VN14

Valves Mod. 434-90...



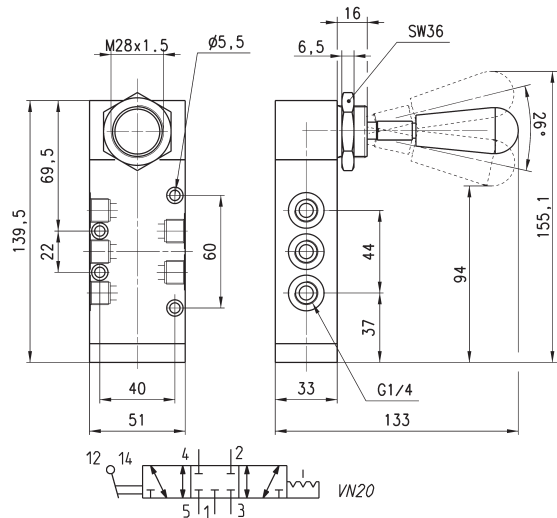
Mod.	Operating pressure (bar)	Flow (NL/min)	Actuating force (N)	Symbol
434-900	-0.9 ÷ 10	1250	5	VN08
434-905	-0.9 ÷ 10	1250	37	VN11

Valves Mod. 454-90...



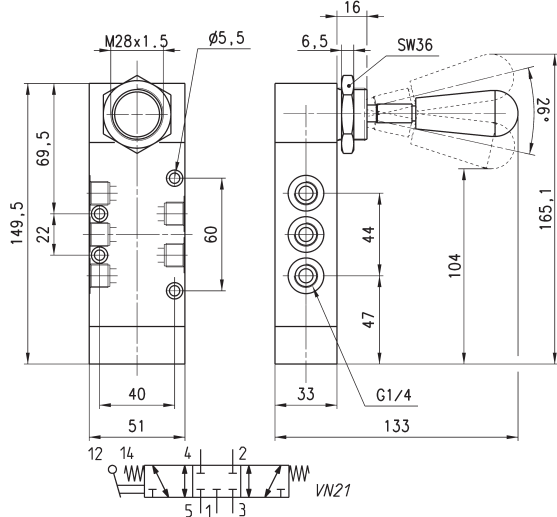
Mod.	Operating pressure (bar)	Flow (NL/min)	Actuating force (N)	Symbol
454-900	-0.9 ÷ 10	1250	5	VN16
454-905	-0.9 ÷ 10	1250	37	VN17

Valve Mod. 464-900



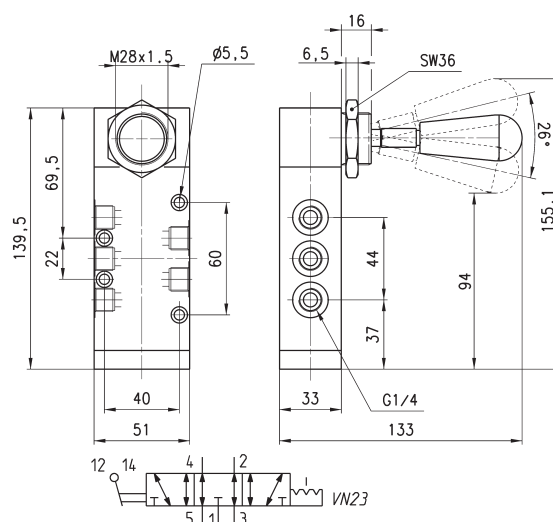
Mod.	Operating pressure (bar)	Flow (NL/min)	Actuating force (N)
464-900	-0.9 ÷ 10	1250	5

Valve Mod. 464-905



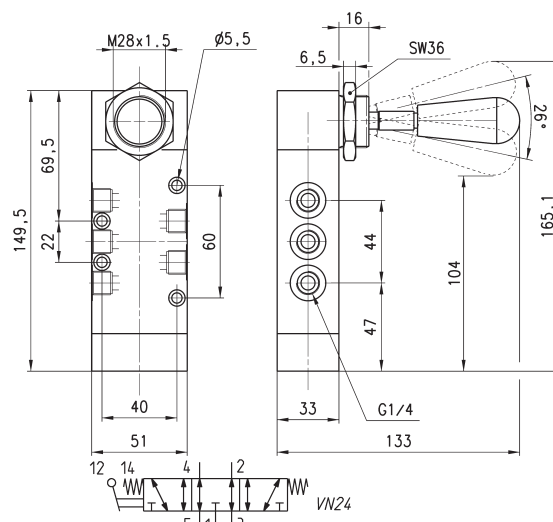
Mod.	Operating pressure (bar)	Flow (NL/min)	Actuating force (N)
464-905	-0.9 ÷ 10	1250	10

Valve Mod. 474-900



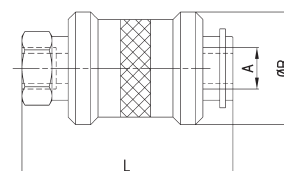
Mod.	Operating pressure (bar)	Flow (NL/min)	Actuating force (N)
474-900	-0.9 ÷ 10	1250	5

Valve Mod. 474-905

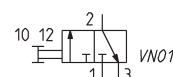


Mod.	Operating pressure (bar)	Flow (NL/min)	Actuating force (N)
474-905	-0.9 ÷ 10	1250	10

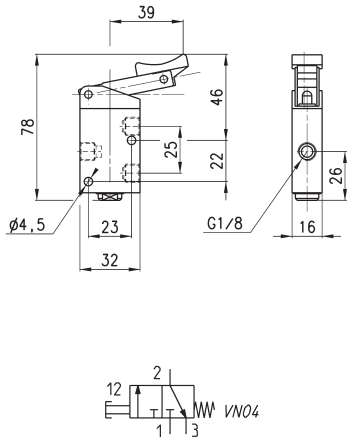
Series VMS slide valves



Mod.	A	ØB	L	Flow at 6 bar 1 (NL/min) 1-2	ΔP	Flow at 6 bar 1 (NL/min) 2-3	ΔP	Operating press. (bar)	Operating temp. (°C)
VMS-105-M5	M5	15	33,5	140		145		0 ÷ 15	-10 ÷ 80
VMS-118-1/8	G1/8	25	48	600		740		0 ÷ 15	-10 ÷ 80
VMS-114-1/4	G1/4	30	58	1200		1780		0 ÷ 15	-10 ÷ 80
VMS-138-3/8	G3/8	35	70	2100		1830		0 ÷ 15	-10 ÷ 80
VMS-112-1/2	G1/2	40	80	3350		4030		0 ÷ 15	-10 ÷ 80
VMS-134-3/4	G3/4	49,5	83	5350		5000		0 ÷ 15	-10 ÷ 80

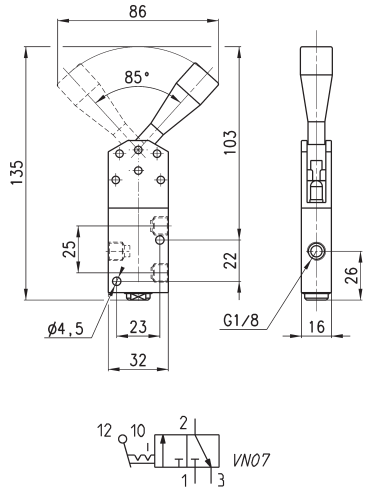


Valve Mod. 138-935



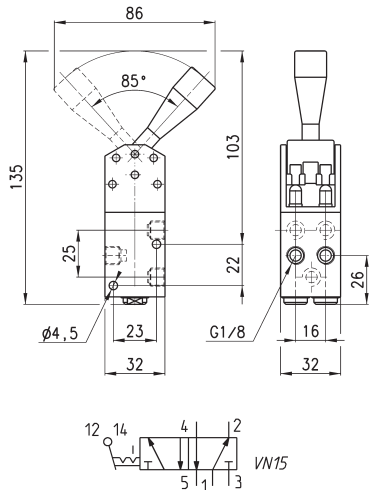
Mod.	Operating pressure (bar)	Flow (NL/min)	Actuating force (N)
138-935	0 ÷ 10	500	38

Valve Mod. 138-900



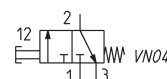
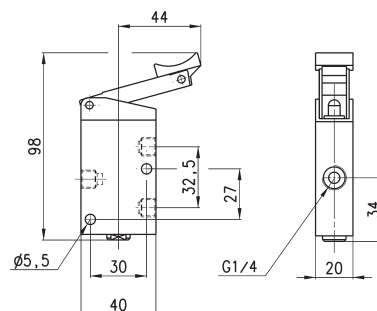
Mod.	Operating pressure (bar)	Flow (NL/min)	Actuating force (N)
138-900	0 ÷ 10	500	25

Valve Mod. 158-900



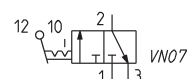
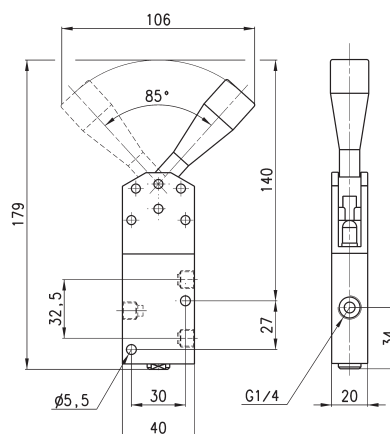
Mod.	Operating pressure (bar)	Flow (NL/min)	Actuating force (N)
158-900	0 ÷ 10	500	45

Valve Mod. 134-935



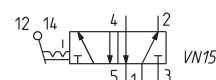
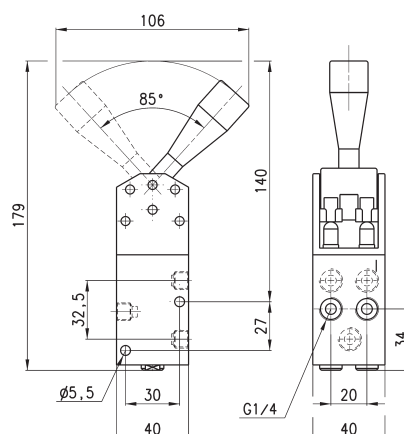
Mod.	Operating pressure (bar)	Flow (NL/min)	Actuating force (N)
134-935	0 ÷ 10	1250	40

Valve Mod. 134-900



Mod.	Operating pressure (bar)	Flow (NL/min)	Actuating force (N)
134-900	0 ÷ 10	1250	30

Valve Mod. 154-900



Mod.	Operating pressure (bar)	Flow (NL/min)	Actuating force (N)
154-900	0 ÷ 10	1250	55