

# 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.



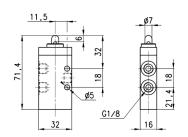
#### **CODING EXAMPLE**

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





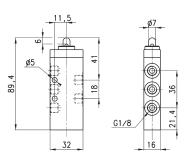


Mod.	Operating pressure (bar)	Flow (Nl/min)	Actuating force (N)
338-945	-0.9 ÷ 10	700	32



# Valve Mod. 358-945



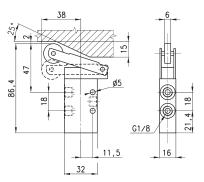




Mod.	Operating pressure (bar)	Flow (Nl/min)	Actuating force (N)
358-945	-0.9 ÷ 10	700	35

#### Valve Mod. 338-955



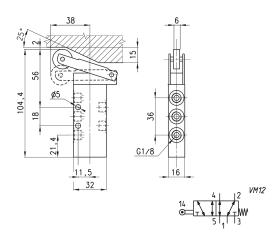




Mod.	Operating pressure (bar)	Flow (Nl/min)	Actuating force (N)
338-955	-0.9 ÷ 10	700	15

# Valve Mod. 358-955



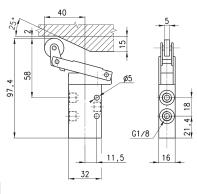


Mod.	Operating pressure (bar)	Flow (Nl/min)	Actuating force (N)
358-955	-0.9 ÷ 10	700	17

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# Valve Mod. 338-965





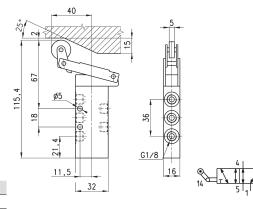
	2	<i>VM08</i>
<b>%</b>	1 .	Z.w
12(10)	1(3)	3(1)

VM13

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

# Valve Mod. 358-965

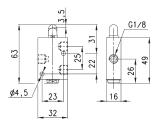




Mod.	Operating pressure (bar)	Flow (Nl/min)	Actuating force (N)
358-965	-0.9 ÷ 10	700	16

# Valve Mod. 138-945



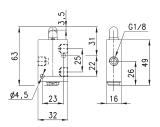




Mod.	Operating pressure (bar)	Flow rate (Nl/min)	Actuating force at 6 bar (N)
138-945	0 ÷ 10	500	70

# Valve Mod. 148-945





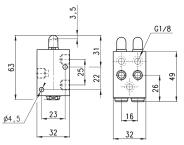
	2	VM03
10		-w
	11	13

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



# Valve Mod. 158-945



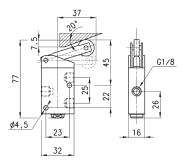


	4	12	VM09
14 T	$\downarrow \mid \downarrow$	Z-w	٧
	5	1 13	

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

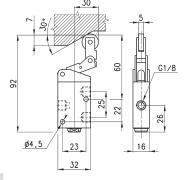


23 25 27 27 27 27 27 27 27 27 27 27 27 27 27	C1/8  C1/8  C1/8
32	14 T W
	© 1

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

# Valve Mod. 138-965





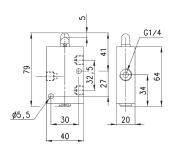


Mod.	Operating pressure (bar)	Flow rate (Nl/min)	Actuating force at 6 bar (N)
138-965	0 ÷ 10	500	41

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# Valve Mod. 134-945



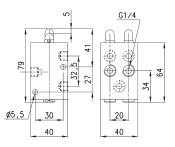




Mod.	Operating pressure (bar)	Flow rate (Nl/min)	Actuating force at 6 bar (N)
134-945	0 ÷ 10	1250	64

# Valve Mod. 154-945





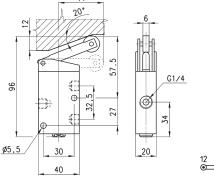


Mod. Operating pressure (bar)		Flow rate (Nl/min) Actuating force at 6 bar (N)	
154-945	0 ÷ 10	1250	147

# Valve Mod. 134-955



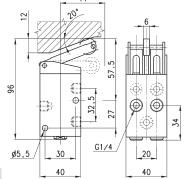
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1od.	Operating pressure (bar)	Flow rate (Nl/min)	Actuating force at 6 bar (N)	
34-955	0 ÷ 10	1250	41	



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134-955	0 ÷ 10	1250	

# Valve Mod. 154-955







Mod.	Operating pressure (bar)	Flow rate (Nl/min)	Actuating force at 6 bar (N)
154-955	0 ÷ 10	1250	110