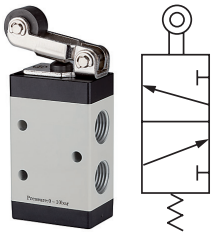
3/2-way valve

mechanically operated - »M3« series

EASY

Art. No. **115957**

Type No. **511.2001**



Exemplary illustration

3/2-way valves

- Mechanically operated -

Technical data

Operation	mechanical
Function	3/2 NC
Version	roller lever
Connection	G 1/4 IT
Exhaust connection	G 1/4 IT
Flow cross-section	12.0 mm² (Cv = 0.67)
Flow rate measurement	at P_1 = 8 bar, P_2 = 6 bar and pressure drop Δ_p = 1 bar
Flow rate	550 l/min
Medium	filtered compressed air (min. ≤ 40 µm) with or without lubrication. If lubricated, then continuous.
Operating pressure	0 - 10 bar
Test pressure	15 bar
Temperature range	-20 to 70 °C
Valve body	aluminium alloy
Series	M3

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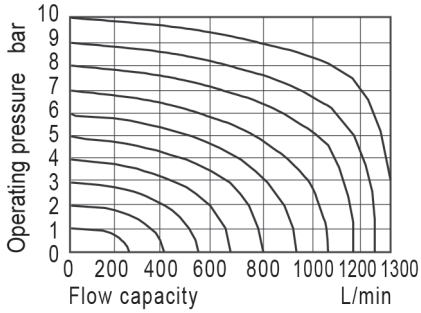
Commercial data

Customs tariff number	84818079
Country of origin	CN
eCl@ss 5.1.4	27291701
eCl@ss 9.0	27291390
UNSPSC_Code_v190501	40141603
UNSPSC_CodeDesc_v190501	Pneumatic valves

Material informations

REACH SVHC1 substance name	lead
CAS no. SVHC 1	7439-92-1
RoHS materials notice	RoHS compliant
REACH Info	contains SVHC substance

Flow chart



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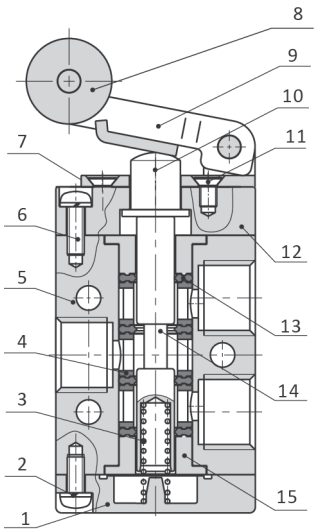
Components and material



No.	Item	Material
1	Cover	PA66
2	Screw	Steel
3	Spring	Stainless steel
4	Spacer	POM
5	Body	Aluminium alloy
6	Screw	Steel
7	Holder	Steel
8	Roller	Hardened steel
9	Roller lever	Steel
10	Press bolt	Steel
11	Screw	Steel
12	Cover	Aluminium alloy
13	O-ring	NBR
14	Spool	Aluminium alloy
15	Centering bush	Aluminium alloy

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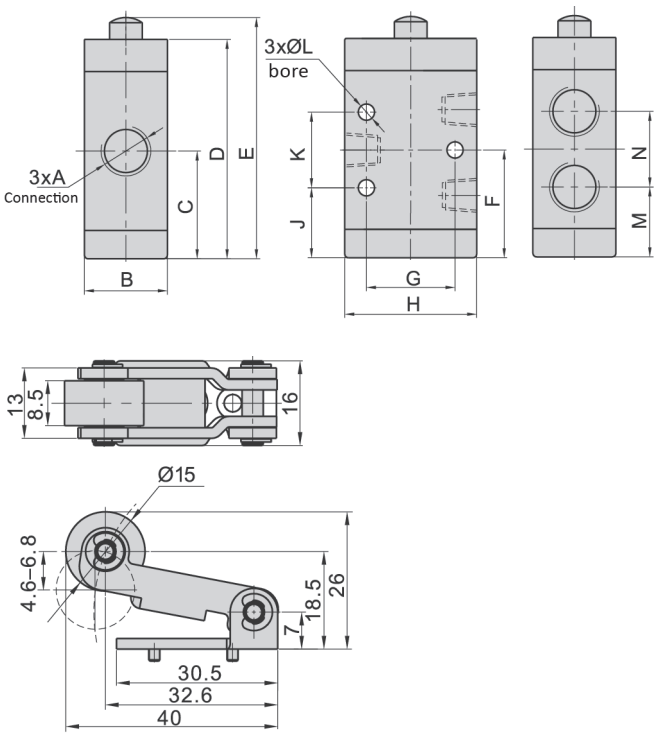
Dimensions [mm]



Connection	Exhaust connection	B	C	D	E	F	G	H	J	K	L
		mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
G 1/4 IT	G 1/4 IT	22.0	28.5	58.0	63.8	28.5	23.5	35.0	18.5	20.0	4.3

M	N
mm	mm
18.5	20.0

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Technical information

Port identification pneumatic valves

	Designation at the valve	corresponds to ISO 1219-1
Input port	P	1
Output port	A	2
Output port	B	4
Exhaust port	R	3
Exhaust port	S	5
Control port	Y	12
Control port	Z	14

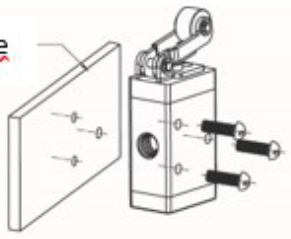
Reversal stroke

Version	Spool stroke	Button/lever stroke
Plunger	2.0 to 3.3	-
Roller lever	2.0 to 3.0	4.6 to 6.8
Roller lever with free return	2.0 to 3.0	5.0 to 7.8

Assembly chart

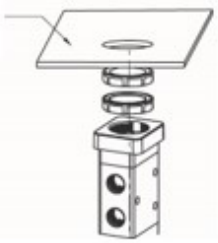
Body mounting

Fixed plate



Panel mounting

Fixed plate



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