

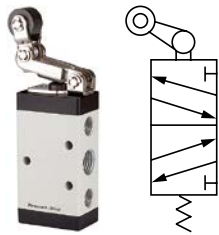
5/2-way valve

mechanically operated - »M5« Series

EASY

Art. No. 115963

Type No. 511.3101



Exemplary illustration

5/2-way valves

- Mechanically operated -

Technical data

Operation	mechanical
Function	5/2 monostable
Version	roller lever with free return
Connection	G 1/4 IT
Exhaust connection	G 1/8 IT
Flow cross-section	12.0 mm ² (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	M5

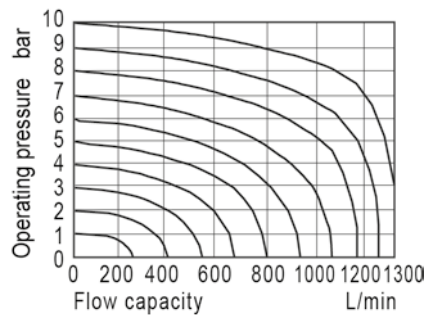
Commercial data

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

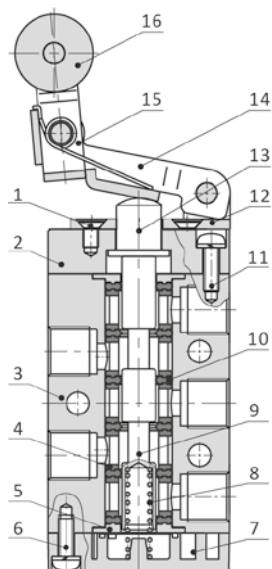
Material informations

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

Flow chart

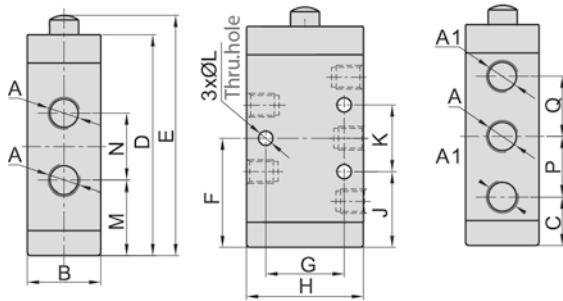


Components and material

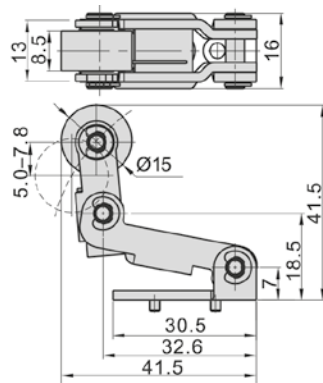


No.	Item	Material
1	Screw	Steel
2	Cover	Aluminium alloy
3	Body	Aluminium alloy
4	Spacer	POM
5	Centering bush	Aluminium alloy
6	Screw	Steel
7	Cover	Aluminium alloy
8	Spring	Stainless steel
9	Spool	Aluminium alloy
10	O-ring	HNBR
11	Screw	Steel
12	Holder	Steel
13	Press bolt	Hardened steel
14	Roller lever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

Dimensions [mm]



A = connection
A1 = exhaust connection



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 1/8 IT	22.0	14.5	66.0	71.8	32.5	23.5	35.0	22.5	20.0	4.3
		M	N	P	Q						
		mm	mm	mm	mm						
		22.5	20.0	18.0	18.0						

Technical information

Port identification pneumatic valves

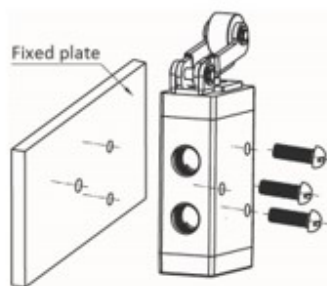
	Designation at the valve	corresponds to ISO 1219-1
Input port	P	1
Output port	A	2
Output port	B	4
Exhaust port	R	3
Exhaust port	S	5
Control port	Y	12
Control port	Z	14

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



Panel mounting

