Micro Valve, Stem Actuated

Type S-3-PK-3-B



Type SO-3-PK-3-B



The external dimensions of these valves meet the specifications of DIN 41635 form A.

The switching point is pressure-dependent and varies up to 0.03 in / 0.8 mm in the pressure range from 0 to 120 psi / 0 to 8

The maximum by which the switching point may be exceeded is 0.02 in / 0.5

The valve may not be used as an end position stop.

The valve can only be actuated at right angles to the axis of the stem. If the angle deviates by $\pm 5^{\circ}$, valve actuators must be used.

Valve Actuators:

(Order separately) Roller Lever Type AR-06-B with mounting screws

Roller Lever with idle return Type AL-06-B with mounting screws

Rod Actuator Type AF-06-B

Accessory: (Order separately) Mounting plate, Type MPL-04 Type S-3-PK-3-B SO-3-PK-3-B







Type AR-06-B

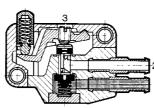
Type AF-06-B



Type MPL-04



Example: Type S-3-PK-3-B



- (P) = Supply port (A) = Working or outlet line
- (R) = Exhaust



Part No./Type Basic Valve Metric	7843 S-3-PK-3-B	10403 SO-3-PK-3-B	Valve Actuators		1 1 1 1 1 1 1 1 1 1	Mounting Plate		
The state of the s			10098 AR-06-B	10099 AL-06-B	11237 AF-06-B	4903 MPE-04		
Medium	Compressed air (filtered, lubricated or unlubricated) or vacuum†							
Mounting	Two holes through housing or on mounting plate							
Connection	Barbed fitting for 3/16 in** / 3 mm tubing							
Orifice Size	0.07 in / 1.8 mm							
C _V Factor	0.06 C _V / 60 I/min							
Pressure Range	28.5 in Hg to 120 psi / -0.95 to +8 bar							
Operating Force at 90 psi / 6 bar Supply*	1.3 lbf / 6 N		2.2 lbf / 10 N					
Design	Poppet valve, directly actuated, spring return							
Material	Plastic, bras	ss	Steel, galva	nized	Polyacetal	AI, anodized		
Weight	0.015 lb /	0.007 kg	0.031 lb / 0.014 kg	0.033 lb / 0.015 kg	0.022 lb / 0.010 kg	0.031 lb / 0.014 kg		

^{* 14} to 140°F / -10 to +60°C

[†] Vacuum connection at 1 (P)

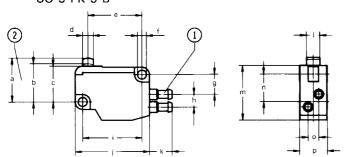
^{**}Approximate equivalent.

Mechanically Actuated Limit Valves

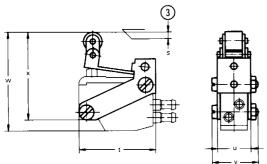
Dimensions



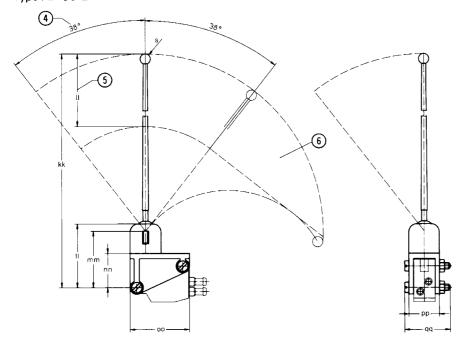
Type S-3-PK-3-B SO-3-PK-3-B



Type AL-06-B



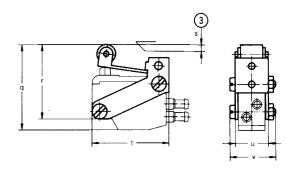
Type AF-06-B



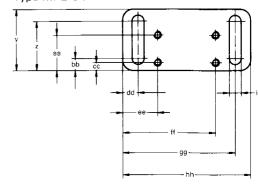
Dimensions

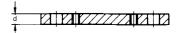
	mensions						
а	0.65 in / 16.5 mm	k	0.33 in / 8.5 mm	u	0.49 in / 12.5 mm	ee	0.52 in / 13.2 mm
þ	0.57 in / 14.4 mm	- 1	0.20 in / 5 mm	v	0.71 in / 18 mm	ff	1.39 in / 35.4 mm
С	0.53 in / 13.5 mm	m	0.80 in / 20.4 mm	w	1.48 in / 37.5 mm	gg	1.68 in / 42.8 mm
d	0.16 in / 4 mm	n	0.41 in / 10.3 mm	×	1.30 in / 33 mm	hh	1.91 in / 48.6 mm
е	0.80 in / 20.2 mm	0	0.16 in / 4 mm	У	0.90 in / 23 mm	ii	0.18 in / 4.5 mm
f	0.13 in / 3.4 mm	р	0.41 in / 10.4 mm	z	0.73 in / 18.5 mm	ij	3.94 in / 100 mm
g	0.29 in / 7.5 mm	q	1.26 in / 32 mm	aa	0.52 in / 13.3 mm	kk	6.99 in / 177.5 mn
ĥ	0.19 in / 4.8 mm	r	1,10 in / 28 mm	bb	0.18 in / 4.5 mm	II	1.20 in / 30.6 mm
i	0.87 in / 22.2 mm	s	0.10 in / 2.5 mm	CC	0.12 in / 3 mm	mm	1.07 in / 27.1 mm
j	1.09 in / 27.8 mm	t	1.13 in / 28.8 mm	dd	0.23 in / 5.8 mm	nn	0.64 in / 16.4 mm

Type AR-06-B



Type MPL-04



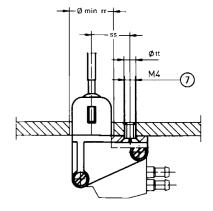


- Barbed fitting for 3/16 in* / 3 mm plastic tubing

- Min. switching point
 Switching path
 Required angle of activation at P = 120 psi / 8 bar
 Perm. starting range
 Except stroke

- Excess stroke
 Suitable for DIN 963 screw
- * Approximate equivalent.

Installation Example



1.12 in / 28.6 mm 0.59 in / 15 mm 0.87 in / 22 mm 0.61 in / 15.6 mm 0.57 in / 14.6 mm 0.18 in / 4.5 mm qq

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