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PILOT VALVE

Valve Operation

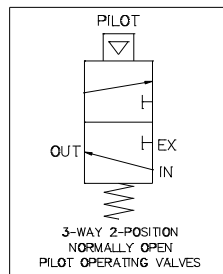
MV29171-54L-O & MV29171-55L-O are 3-way 2-position Normally Open Auto Reset Pilot valves. Pressure signal applied to the Pilot Port to operate the valve.

The Pilot port pressure signal lower than the minimum pilot pressure range required, the valve will spring return to open the supply pressure from IN port to OUT port and block the EX port, as per below Status table (State 1).

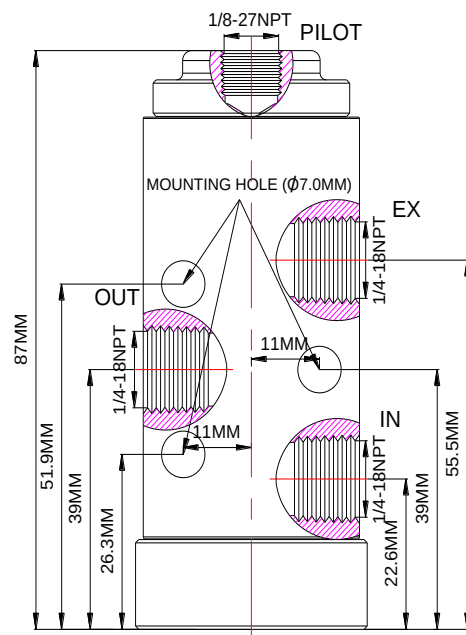
When pressure signal to Pilot port within the required minimum pilot pressure range, the valve will actuate to close as per below Status table (State 2). Supply pressure at IN port will be block, and the valve will vent the system pressure from OUT port to EX port.

Flow Control Status table

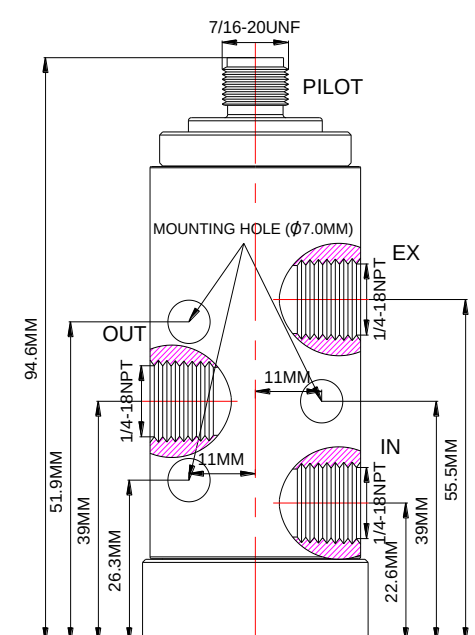
STATE	IN	OUT	EX	PILOT
1	O	O	-	-
2	-	O	O	O



Ordering Ref : MV29171-54L-O



Ordering Ref : MV29171-55L-O (Without Ferrule & Nuts)



MV29171-55L-O-P1/4OD (With Ferrule & Nuts)

Specification

Control Application	3-Way 2-Position Normally Open Auto Reset Type
Exterior Shape	Hexagon A/F34.9 mm (1 3/8")
Mounting Hole Size	Ø7.0 mm (9/32")
Net Weight	600 gm
Working Media	Air
Pilot Pressure Range	25 - 120 PSI (1.8 - 8.2 bar)
Max Working Pressure	200 PSI (13.7 bar)
Temperature Range	- 30°C to 120°C <i>Other Temperature Ranges available. Consult Factory</i>
Material(Valve Body)	316 L
Seal Material(Standard)	Viton(FKM) <i>Other Seal Material are Available Upon Request</i>
Flow Rate	Cv = 1.6

Distinctions

Ordering Ref No : MV29171-54L-O



Port Connection Size : IN , OUT & EX Ports : 1/4"-18NPT F, Pilot Port : 1/8"-27NPT F

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Port Connection Size : IN , OUT & EX Ports : 1/4"-18NPT F, Pilot Port : 7/16"-20UNF M

** Measurement stated are with tolerance of +/-10%. Optional Parts/Material are available upon request.

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