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PILOT VALVE (Manual Reset Type)

Valve Operation

MV 29176-56L & MV 29176-56L-D are 3 Way 2-Position, Normally closed, Manual Palm Button & latch pin, Air Latch Pilot with Spring Return pilot valves, Manual Reset type.

To open the valve, supply signal pressure (within the required minimum pilot pressure range) to the Pilot port or engaging the Manual Latch Pin (Manual Latch Pin releases when pilot port is pressurized) and manually pull the palm button to actuate, the valve will open the supply pressure from IN port to OUT port and block at the EX port, as per below Control Table (State 2). Once Pulling palm button outward and applied pilot signal pressure, the valve's normal in-service placement will be maintained.

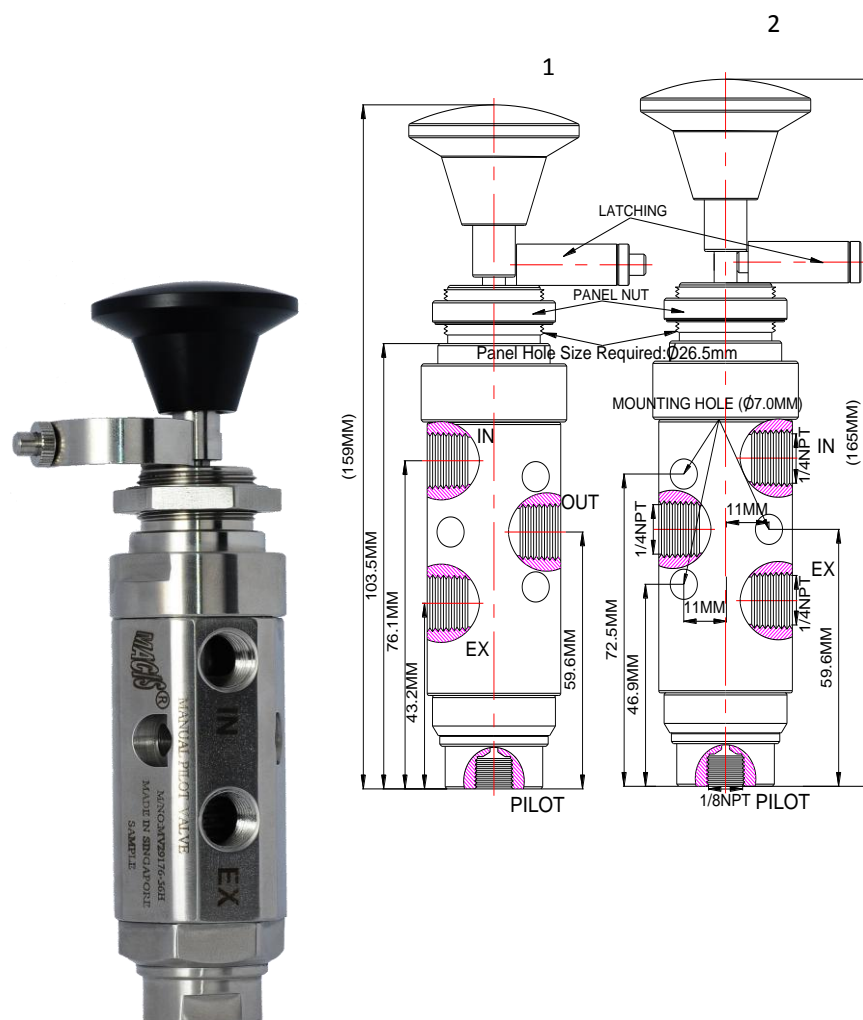
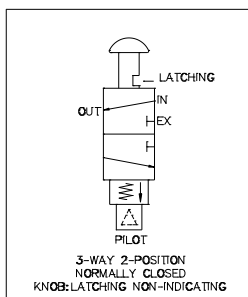
To close the valve, manually push in palm button even when there is pilot signal pressure within the min pilot pressure range, the valve will return to close as per below Control Table (State 1). Supply pressure will be block at IN port and the valve will vent accumulated operating pressure from OUT port to EX port. Reintroduction of the pilot Signal pressure will not open the valve, unless the palm button is manually pulled.

When there is no pilot signal or the pilot pressure lower than min operating pressure, engaging latching pin will keep the valve open, Latching pin disengage when pilot pressure is present as control table (State 2).

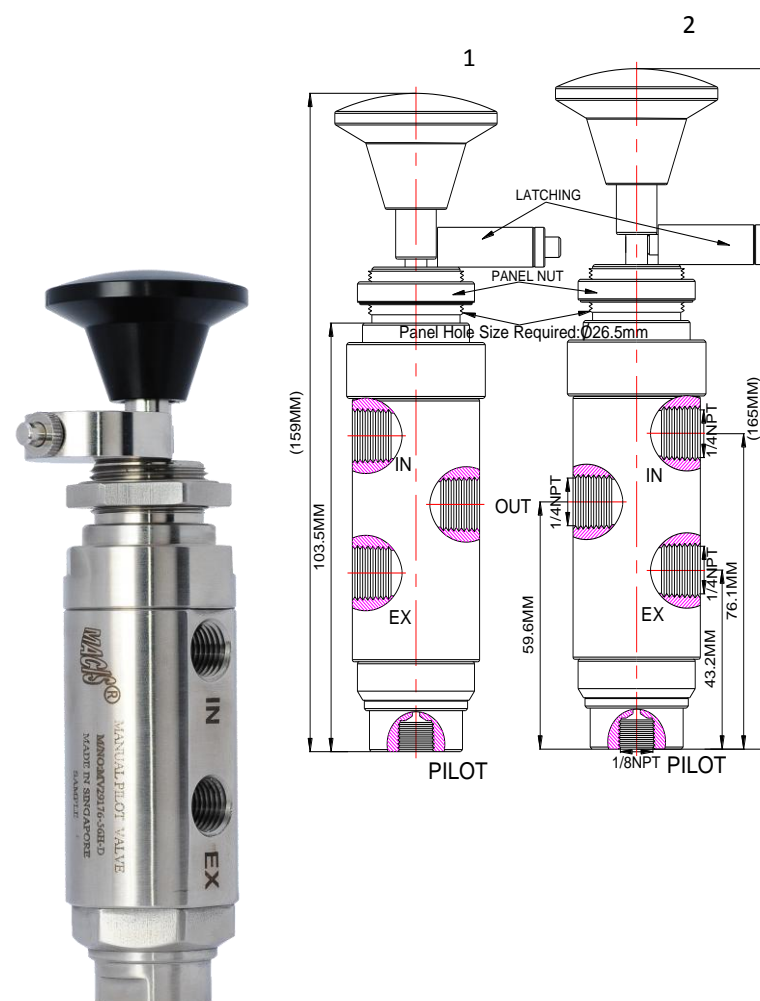
***Note:** The pilot port pressure signal drop to lower than 20psi (1.4bar), the valve will spring return to close see control table (state 1).

Flow Control Table (Palm Button)

STATE	IN	OUT	EX	PILOT	Palm Button
1	-	O	O	-	push
2	O	O	-	O	pull



Ordering Ref : MV 29176-56L



Ordering Ref : MV 29176-56L-D

Specification

Control Application	3-Way 2-Position, Normally Closed Manual Palm Button, Manual Latch Pin, Air Latch Pilot with Spring Return, Manual Reset Type	Distinctions	
Port Connection Size	IN, OUT & EX Ports: 1/4" NPT F Pilot Port: 1/8" NPT F		
Working Media	Air	Ordering Ref no	Exterior Shape
Pilot Pressure Range	25 - 200 PSI (1.8 – 13.7bar)	MV 29176-56L :	Hexagon A/ F 34.9mm (1 3/8")
Max Working Pressure	200 PSI (13.7bar)	MV 29176-56L-D :	Circular Ø 38.1 mm (1 1/2")
Temperature Range	- 30°C to 120°C <i>Other Temperature Ranges available. Consult Factory</i>		Mounting Hole
Material(Valve Body)	316 L		Ø7.0mm(9/32")
Net Weight	900gm		Without
Panel Hole Size	Ø26.5mm(1 3/64")		
Seal Material	Viton(FKM) <i>Other Seal Material Available Upon Request</i>		
Material (Palm Button)	Polyamide <i>Other Material Available Upon Request</i>		
Seal Material	Viton(FKM) <i>Other Seal Material Available Upon Request</i>		
Flow Rate	Cv = 1.65		

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

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