



PILOT VALVE (Manual Reset Type)

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Valve Operation

MV29176-55L-PL-D is a 3 Way 2-Position, Normally closed, Manual palm button, Air latch pilot with spring return pilot valve, manual reset type.

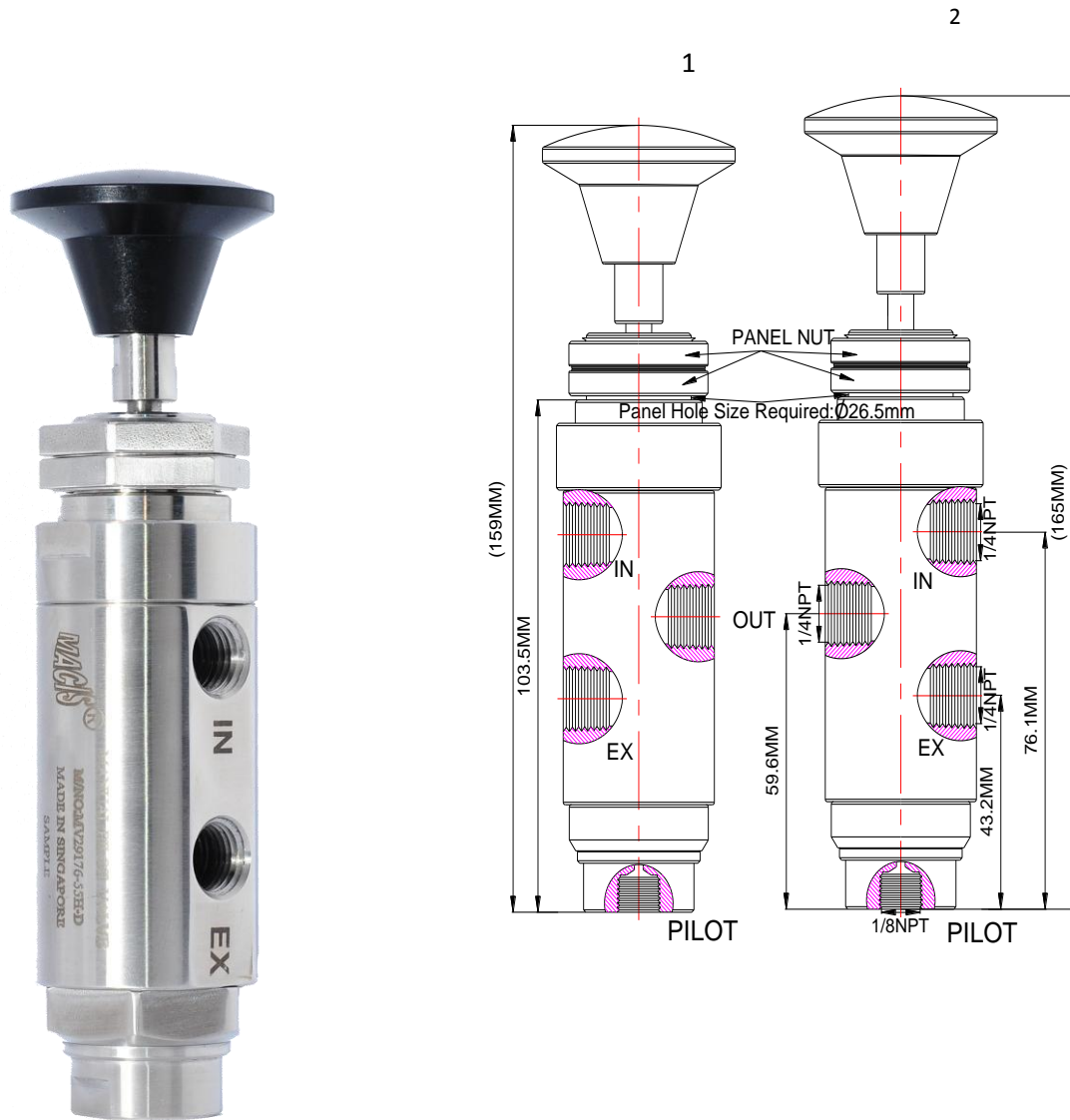
To open the valve, supply the Pilot signal pressure (within the min pilot pressure range) and manually pull the palm button to actuate, the valve will open the supply pressure from IN port to OUT port and block at the EX port, as per below Control Table (State 2). Once Pulling palm button outward and 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 at IN port will be block, 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.

* Note:

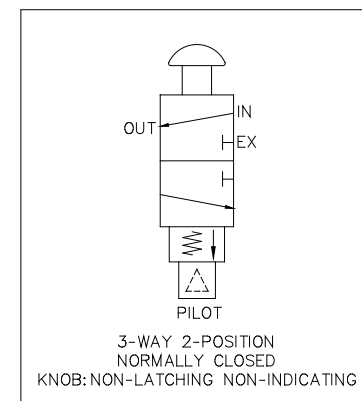
1. When pilot port Loss of the pressure supply or pressure signal drop to lower than 15psi (1.1bar), the valve will spring return to close see below Control Table (state 1).

2. This type valve is special design use to pilot lower pressure.



Flow Control Table (Palm Button)

STATE	IN	OUT	EX	PILOT	Palm Button
1	-	O	O	-	PUSH
2	O	O	-	O	PULL



Ordering Ref : MV29176-55L-PL-D

Specification

Control Application	3-Way 2-Position, Normally Closed, Manual Palm Button, Air Latch Pilot with Spring Return, Manual Reset Type.
Port Connection Size	IN, OUT & EX Ports: 1/4" NPT F Pilot Port: 1/8" NPT F
Exterior Shape	Circular Ø 38.1 mm (1 1/2")
Panel Hole Size	Ø 26.5 mm (1 3/64")
Net Weight	900 gm
Working Media	Air
Pilot Pressure Range	15 - 200 PSI (1.1 - 13.7bar)
Max Working Pressure	200 PSI (13.7bar)
Temperature Range	- 30°C to 120°C Other Temperature Ranges available. Consult Factory
Material(Valve Body)	316 L
Seal Material(Standard)	Viton(FKM) Other Seal Material Are Available Upon Request
Material (Palm Button)	Polyamide Other Material Are Available Upon Request
Flow Rate	Cv = 1.65

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

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