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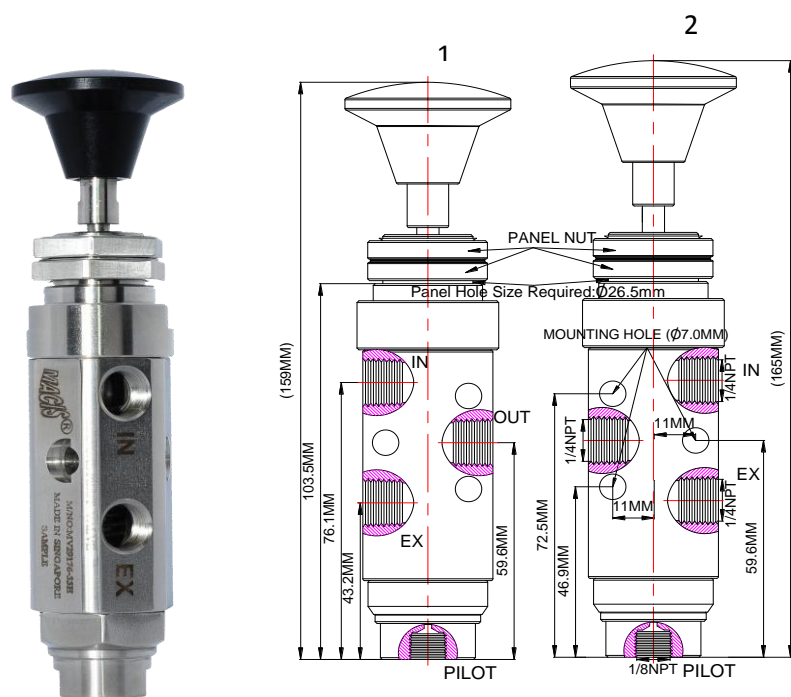
PILOT VALVE (Manual Reset Type)

Valve Operation

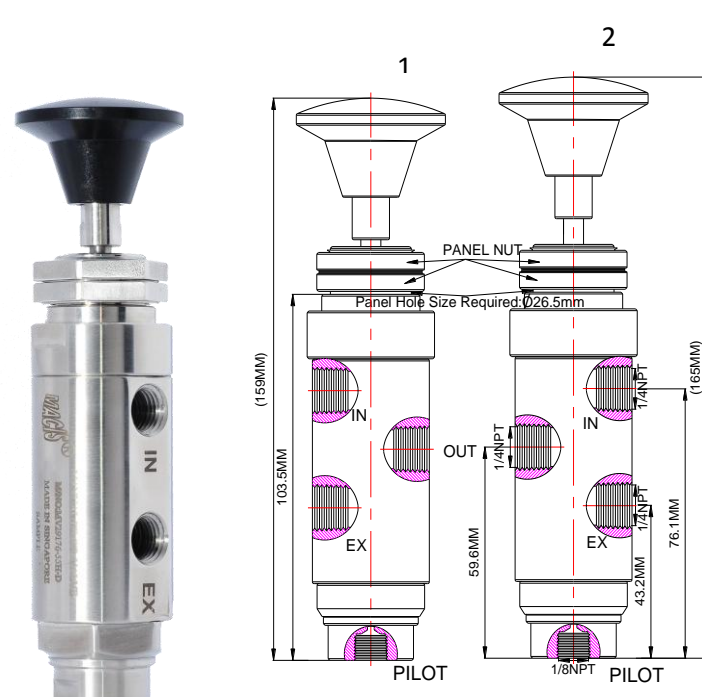
MV 29176-55L, MV 29176-55L-D & MV 29178-55L-D are 3 Way 2-Position, Normally closed, Manual palm button, Air latch pilot with spring return pilot valves, manual reset type.

To open the valve, the pressure signal to Pilot port within the required minimum 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 spring return to close as per below Control Table (State 1). The 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.

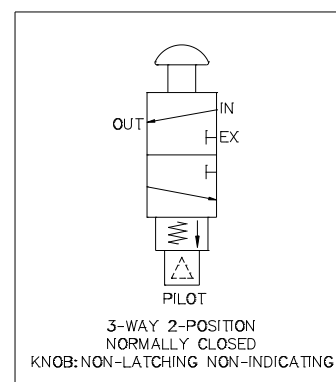
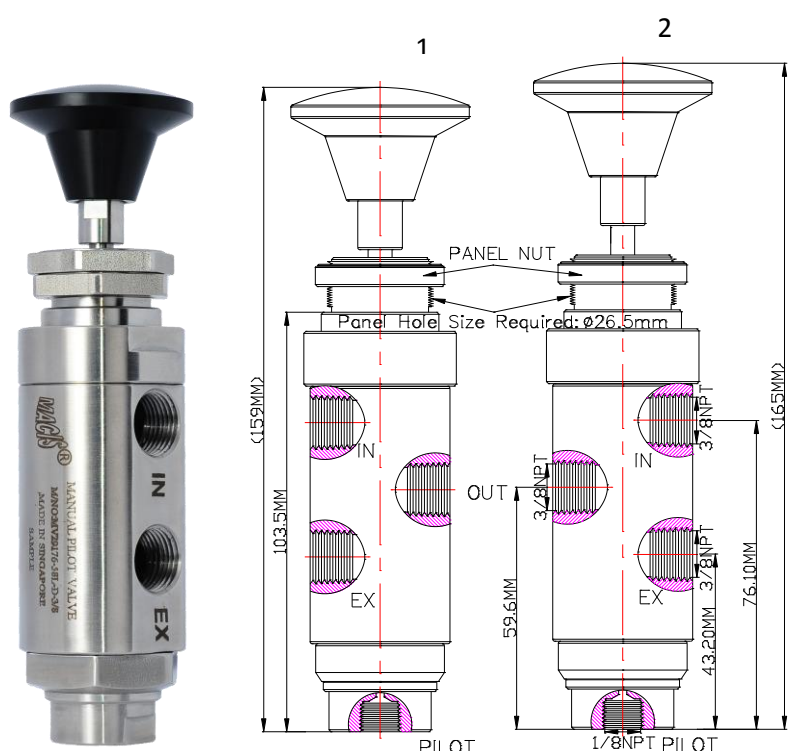
* Note: When pilot port Loss of the pressure supply or pressure signal drop to lower than 20psi (1.4bar), the valve will spring return to close see Control Table (state 1).



Ordering Ref : MV 29176-55L



Ordering Ref : MV 29176-55L-D



Flow Control Table (Palm Button)

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

Ordering Ref : MV 29178-55L-D

Specification

Control Application	3-Way 2-Position, Normally Closed Manual Palm Button, Air Latch Pilot With Spring Return, Manual Reset Type	Distinctions			
Working Media	Air	Ordering Ref no	Port Connection Size	Exterior Shape	Mounting Hole
Pilot Pressure Range	25 - 200 PSI (1.8 – 13.7bar)	MV 29176-55L :	IN , OUT & EX Ports : 1/4"NPT F Pilot Port : 1/8"NPT F	Hexagon A/ F 34.9mm (1 3/8")	Ø7.0mm(9/32")
Max Working Pressure	200psi (13.7bar)	MV 29176-55L-D :		Circular Ø 38.1 mm (1 1/2")	Without
Temperature Range	- 30°C to 120°C Other Temperature Ranges available. Consult Factory	MV 29178-55L-D:	IN , OUT & EX Ports : 3/8"NPT F Pilot Port : 1/8"NPT F	Circular Ø 40.0mm (1 37/64")	Without
Material(Valve Body)	316 L				
Panel Hole Size	Ø 26.5mm (1 3/64")				
Net Weight	900gm				
Seal Material	Viton(FKM) Other Seal Material Available Upon Request				
Material(Palm Button)	Polyamide Other Material 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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