



# INTERFACE VALVE

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## Valve Operation

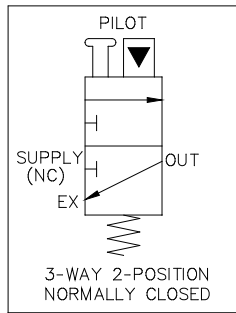
MV B29AM-PL10K3W-3/8NC-3/8E-1/8P-N-H & MV B29AM-PL10K3W-1/4NC-1/4E-1/8P-N-H are 3-Way 2-Position Normally Closed, Manual/ Pilot Supply pressure Operated Interface Valves (Manual handle with control override).

To open the valve, the pressure signal to Pilot port within the required minimum pilot pressure range, the valve will actuate to open supply pressure from IN port to OUT port and block at EX port, as per below Status table State 1.

To close the valve, the Pilot port pressure lower than Min pilot operating pressure, the valve will be auto reset to close as per below status table State 2. Supply pressure will be block at IN port and accumulated operating pressure will released through the EX port.

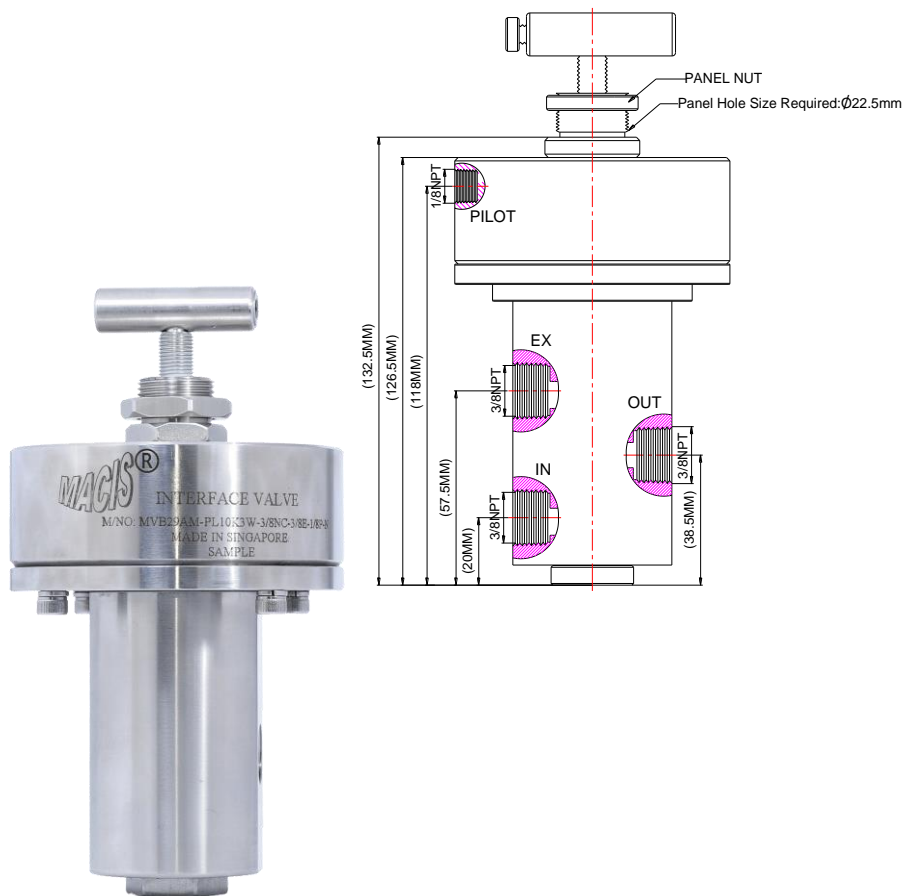
Manual handle is additional function to allow the valve to be in service when loss of pilot supply.

**\*Note:** The manual handle should be return to the normal position after pilot pressure is restored.

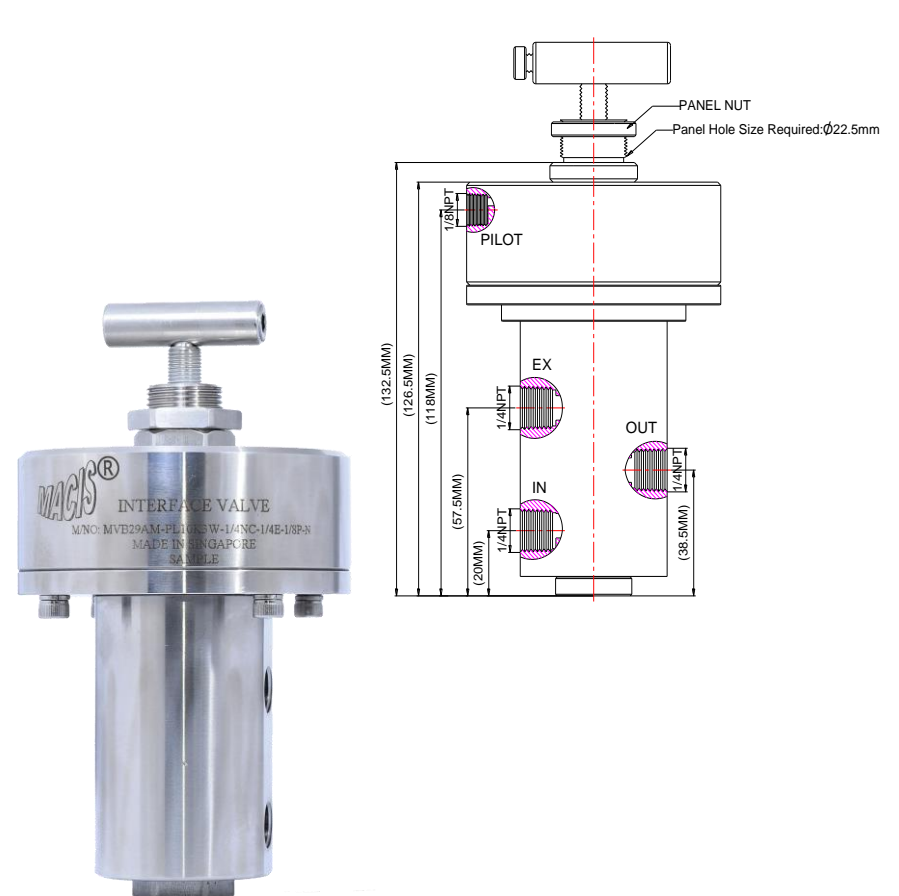


Flow Control Status Table

| STATE | IN | OUT | EX | Pilot / Manual Handle |
|-------|----|-----|----|-----------------------|
| 1     | o  | o   | -  | o                     |
| 2     | -  | o   | o  | -                     |



Ordering Ref : MV B29AM-PL10K3W-3/8NC-3/8E-1/8P-N-H



Ordering Ref : MV B29AM-PL10K3W-1/4NC-1/4E-1/8P-N-H

## Specification

|                      |   |
|----------------------|---|
| Control Application  | 3-Way 2-Position Normally Closed<br>Manual handle with Control override<br>Manual/Auto Operation Type |
| Pilot Linker Shape   | Circular Ø95.2mm ( 3 3/4" )   |
| Net Weight           | 3.5 KG  |
| Working Media        | Oil   |
| Pilot Pressure Range | 15 - 60 PSI ( 1.1 – 4.1bar )  |
| Max Working Pressure | 10,000 PSI ( 689.4 bar )  |
| Temperature Range    | - 30°C to 120°C<br><i>Other Temperature Ranges available. Consult Factory</i>                         |
| Material(Valve Body) | 316L  |
| Seal Material        | Nitrile Rubber(NBR)<br><i>Other Seal Material are Available Upon Request</i>                          |
| Manual Handle        | Rotating screw type   |
| Mounting Hole Size   | Ø22.5 mm ( 5/8" )   |
| Flow Rate            | Cv = 0.65   |

## Distinctions

Ordering Ref No: MV B29AM-PL10K3W-1/4NC-1/4E-1/8P-N-H



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

Ordering Ref No : MV B29AM-PL10K3W-3/8NC-3/8E-1/8P-N-H



Port Connection Size: IN , OUT & EX Ports: 3/8"NPT F, Pilot Port: 1/8"NPT F

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

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