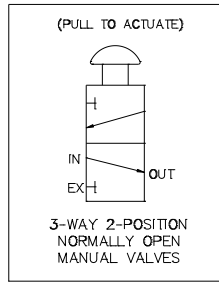# MANUAL SHUTDOWN (ESD) VALVE

## Valve Operation

MV 1586356-H & MV1586357-H are 3-Way 2-Position manual shut down valves, they ideal for use in Emergency Shut Down (ESD) systems and other control applications that require fast response time.
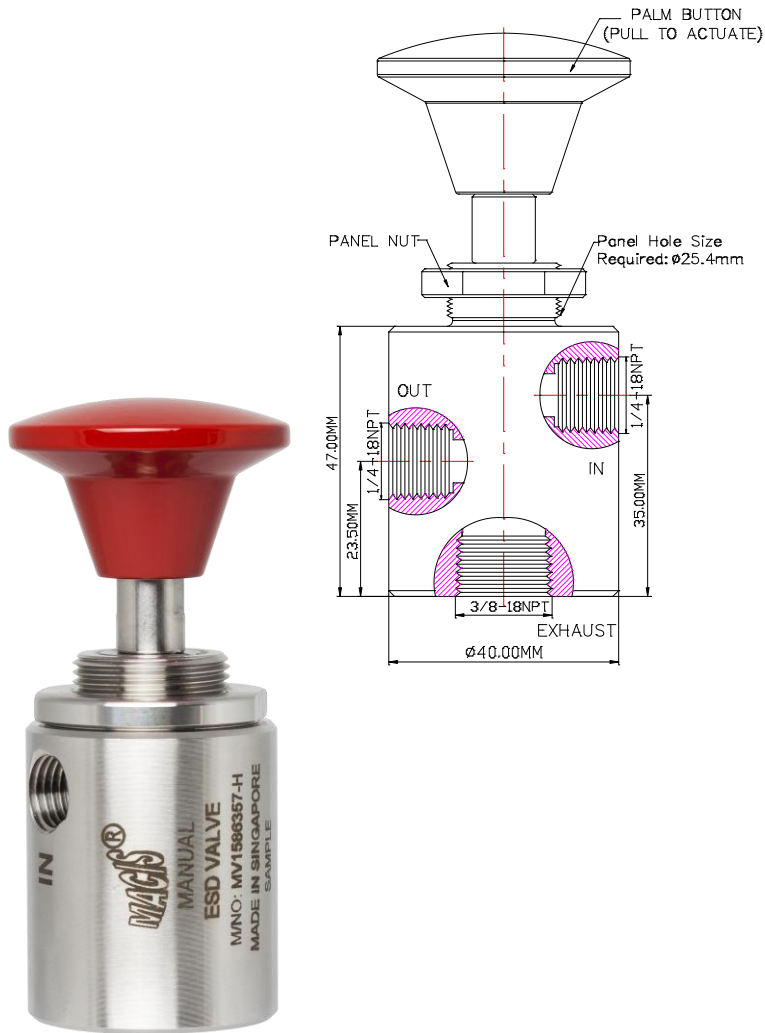
At push position (palm button), the valve as below Status Table (State 1), supply pressure flow from IN port to OUT port, and EX port will be block.

Manually pull the palm button to actuate, the valve as Status Table (State 2), supply pressure will be block at IN port and the downstream pressure flow from OUT port to EX port.
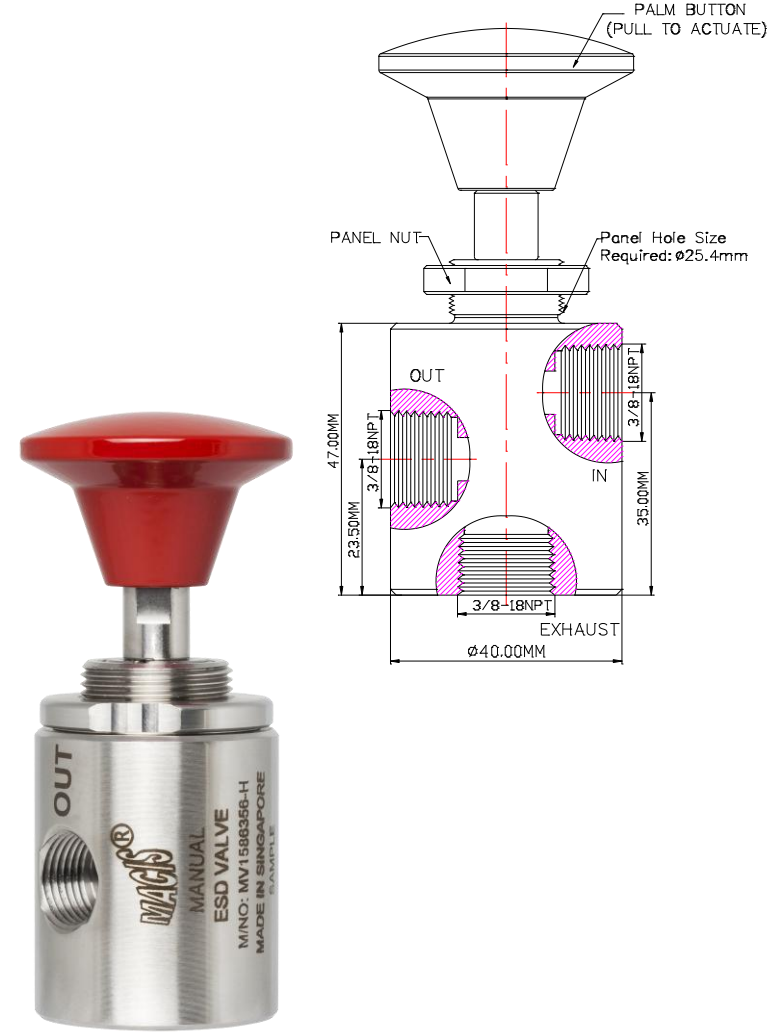
(PULL TO ACTUATE)

IN
OUT
EX

3-WAY 2-POSITION
NORMALLY OPEN
MANUAL VALVES

### Flow Control Status Table

| STATE | IN | OUT | EX | Palm Button |
|-------|----|-----|----|-------------|
| 1 | O | O | - | Push |
| 2 | - | O | O | Pull |

**Ordering Ref : MV1586356-H**

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## Specification

| | |
|---|---|
| **Control Application** | 3-Way Normally Open<br>Manually Pull-Push with Red palm button<br>Manual Shutdown Type |
| **Exterior Shape** | Circular Ø40.00 mm (1 $\frac{37}{64}$" ) |
| **Panel Hole Size** | Ø 25.4 mm (1") |
| **Net Weight** | 400 gm |
| **Working Media** | Oil |
| **Max Working Pressure** | 300 PSI (20.6 bar) |
| **Temperature Range** | - 30°C to 120°C<br>*Other Temperature Ranges available. Consult Factory* |
| **Material(Valve Body)** | 316L |
| **Seal Material** | Nitrile Rubber(NBR)<br>*Other Seal Material are Available Upon Request* |
| **Material (Palm Button)** | Polyamide<br>*Other Material are Available Upon Request* |
| **Color(Palm Button)** | Red / Black<br>*There are two Color for select, kindly state when ordering* |
| **Flow Rate** | Cv = 1.9 |

## Distinctions

**Ordering Ref No : MV1586356-H**

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**Port Connection Size : IN & OUT Ports : 1/4"NPT F, EX Port : 3/8"NPT F**

**Ordering Ref No : MV1586357-H**

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

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