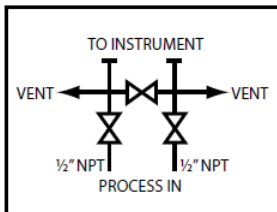


## 3 way Manifold Valve



### Typical Applications:

1. Testing Panels
2. Differential pressure Transmitters
3. Gas Distribution Systems
4. Refineries and Petrochemical Industries

### Features:

Two Isolation valve and One Equalizing  
 Pressure rating up to 10000 psig at 37<sup>0</sup>C  
 Temperature rating from -54<sup>0</sup>C to 232<sup>0</sup>C with PTFE packing  
 Screwed double bonnet assembly with metal to metal body to bonnet seal  
 Non Rotating Hardened metal Stem tip design to ensure positive sealing  
 Variety of MOC options SS 316, Monel 400 and Duplex Material  
 Grafoil Stem Packing option is available to meet high temperature applications  
 Port sizes available from 1/4" Size to 3/4"  
 Stainless Steel Bar handle, Handle Options are available.  
 Locking pin to avoid accidental removal in service  
 Standard mounting holes provides flexibility for wall / bracket mounting installations  
 Optionally available with NACE MR-01-75 compliance  
 Variety of end connections include Tube fitting end, Male/Female NPT and ISO threads  
 Dust and Thread caps provided for ingress dust protection

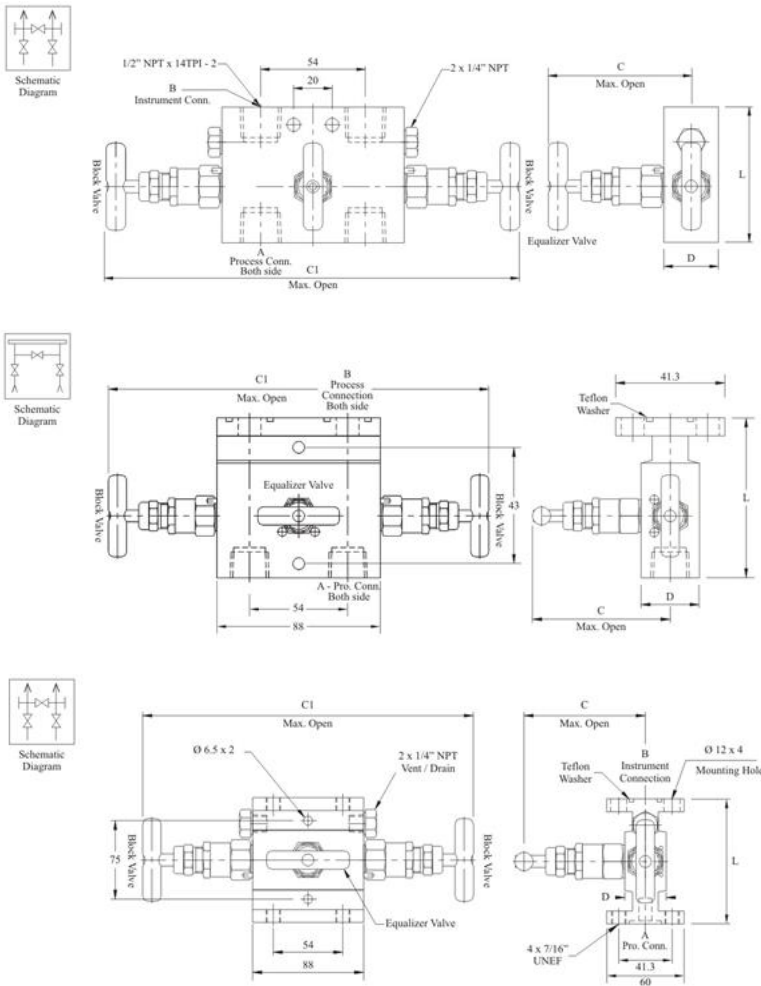
### Testing:

Each Manifold Valve is factory tested with nitrogen gas at 1000psig (69 Bar) for leakage at seal & seat. Other optional tests like hydrostatic (1.5 times of the working pressure) and helium leak tests are available upon request.

### Materials of Construction:

| Sr. no. | Component               | Material        |
|---------|-------------------------|-----------------|
| 1       | Body                    | SS316 / A276    |
| 2       | Bonnet                  | SS 316          |
| 3       | Vee/Regulating Stem Tip | SS316 / 17-4 PH |
| 4       | Stem Packing            | PTFE            |
| 5       | O-ring                  | Viton           |
| 6       | Stem                    | SS316 / A276    |
| 7       | Check Nut               | SS 316          |
| 8       | Packing Nut             | SS316           |
| 9       | Grub Screw              | CS              |
| 10      | Bar Handle              | SS 304          |
| 11      | Stopper Pin             | SS 304          |
| 12      | Dust Cap                | Nylon           |

### Dimensional Drawing with Component List:



| Part Number | Process / Instrument connections | Vent Port   | Orifice Size in mm | Dimensions in mm |      |    |     |
|-------------|----------------------------------|-------------|--------------------|------------------|------|----|-----|
|             |                                  |             |                    | L                | D    | C  | C1  |
| MV-3SSF8    | 1/2" NPT(F)                      | 1/4" NPT(F) | 3                  | 72               | 28.5 | 81 | 220 |
| MV-3SSF8FL  | 1/2" NPT(F)                      | 1/4" NPT(F) | 3                  | 70               | 32   | 90 | 226 |
| MV-3SSF8L   | 1/2" NPT(F)                      | 1/4" NPT(F) | 3                  | 95               | 32   | 90 | 226 |

