

# 3-WAY MANIFOLD VALVE

## MD3-R – Pipe to Pipe Type

### Technical Data

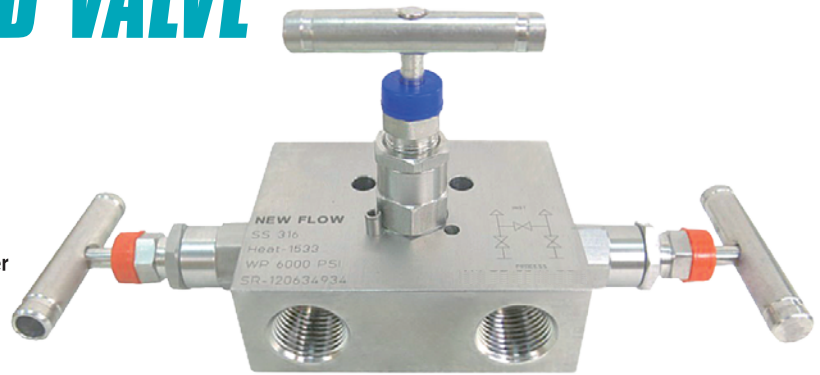
- Designed for D/P transmitter or D/P gauge.
- Consists of one equalizer valve, and two block valves.
- Process connection ½"NPT female standard, and center to center are 54mm.

Instrument Connection: ½"NPT Female

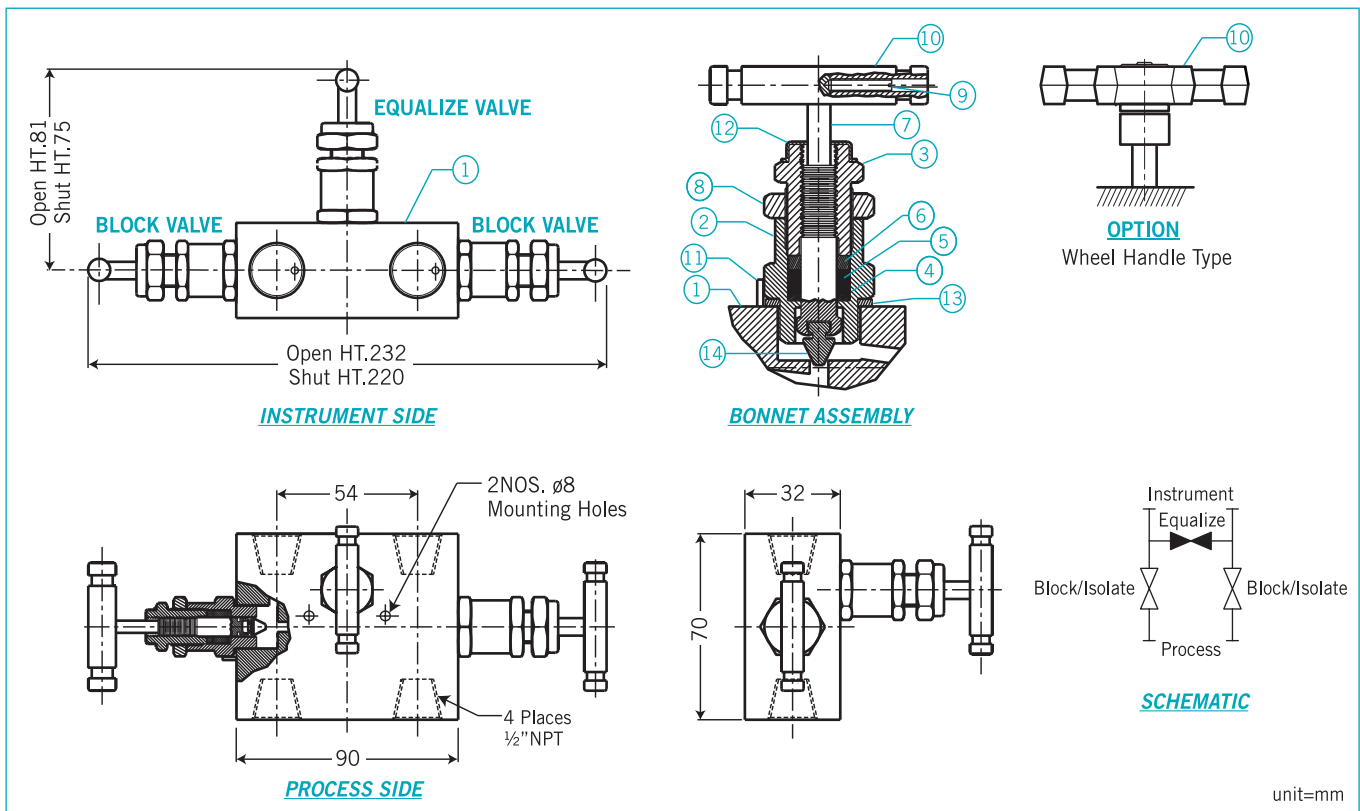
Body Material: SS316 (standard)

Valve Tip to Seat: Metal to Metal

Working Pressure & Working Temperature: Please refer to the pressure/temperature table



### Dimensions



### Parts List

| Item | Descriptoin          | Material        | Qty |
|------|----------------------|-----------------|-----|
| 1    | Body                 | SS316           | 1   |
| 2    | Bonnet               | SS316           | 3   |
| 3    | Gland Retainer       | SS316           | 3   |
| 4    | Washer               | SS316           | 3   |
| 5    | Packing              | PTFE / Graphoil | 3   |
| 6    | Packing Washer       | SS316           | 3   |
| 7    | Spindle              | SS316           | 3   |
| 8    | Lock Nut             | SS316           | 3   |
| 9    | Grub Screw           | Steel           | 3   |
| 10   | Handle               | SS316           | 3   |
| 11   | Lock Pin             | SS316           | 3   |
| 12   | Dust Cap             | Plastic LD.     | 3   |
| 13   | Washer               | SS316           | 3   |
| 14   | Non Rotating Vee Tip | A564-630        | 3   |

### Features / Benefits

**Forged One Piece Body Construction (No Welding):** For High Strength.

**Non Rotating Vee :**

(a) Rolled and plated stem threads for extra strength.

(b) Screwed bonnet with safety lock pin prevents accidental valve disassembly.

(c) Adjustable packing below threads.

**Safety Bonnet Lock:** Prevents accidental disassembly.

**Stem Thread Rolled & Hard Plated:** Provides additional strength & maximum service life.

**Mirror Finish Stem, Burnished to a 16RMS:** Extends packing life and smoothens stem operation.

**Adjustable Packing Below Stem Threads:** Prevents stem lubrication washout and isolates threads from process contamination.

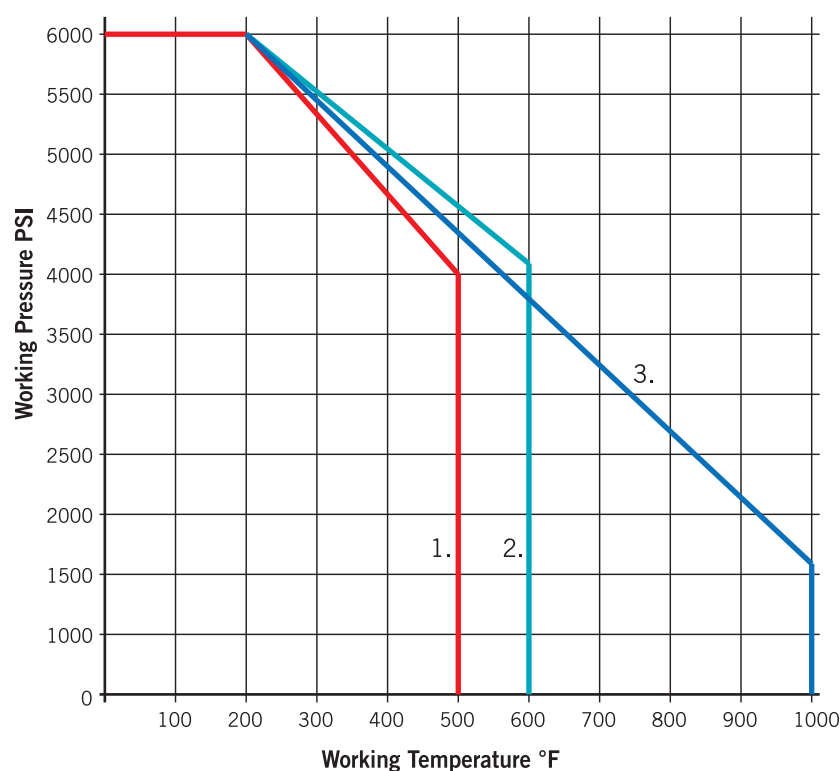
**Safety Back Seating:** Provides secondary stem seal in full open position, prevents stem blowout.

**Stainless Steel Handle:** For hand actuation.

**Body to Bonnet Seal:** Metal to Metal constant compression, isoalted bonnet threads from system fluids and eliminates possible tensile.

**Dust Cap:** Prevents contamination washout out of bonnet assembly.

## Pressure / Temperature Table







- 1. Teflon Packing
- 2. Graphoil Packing
- 3. SS316 Graphoil Packing

## Pressure Rating

| Temp.  | C.S.     | S.S.     | Orifice | Cv       |
|--------|----------|----------|---------|----------|
| 77°F   | 6000 psi | 6000 psi | 4.8 mm  | 0.52 Max |
| 500°F  | 4000 psi | 4000 psi | 4.8 mm  | 0.52 Max |
| 1000°F | 1500 psi | 1500 psi | 4.8 mm  | 0.52 Max |

## Ordering Information

| MD3   | Code  | Body Material   |   |                      |                               |  |
|---|---|---|---|----------------------|-------------------------------|--|
|  | SS  | SS316   | 0   | Option               |                               |  |
|   |  | <b>Code</b>   | <b>Process Connection</b>   |                      |                               |  |
|   |   | 8   | ½"NPT(F)  |                      |                               |  |
|   |   |  | <b>Code</b>   | <b>Mounting Type</b> |                               |  |
|   |   |   | R   | Pipe to Pipe         |                               |  |
|   |   |   |  | <b>Code</b>          | <b>Handle Type</b>            |  |
|   | F   | Flat Handle Type  |   | W                    | Wheel Handle Type             |  |
| <b>MD3</b>  |   |   |   |                      | <b>Complete Ordering Code</b> |  |