

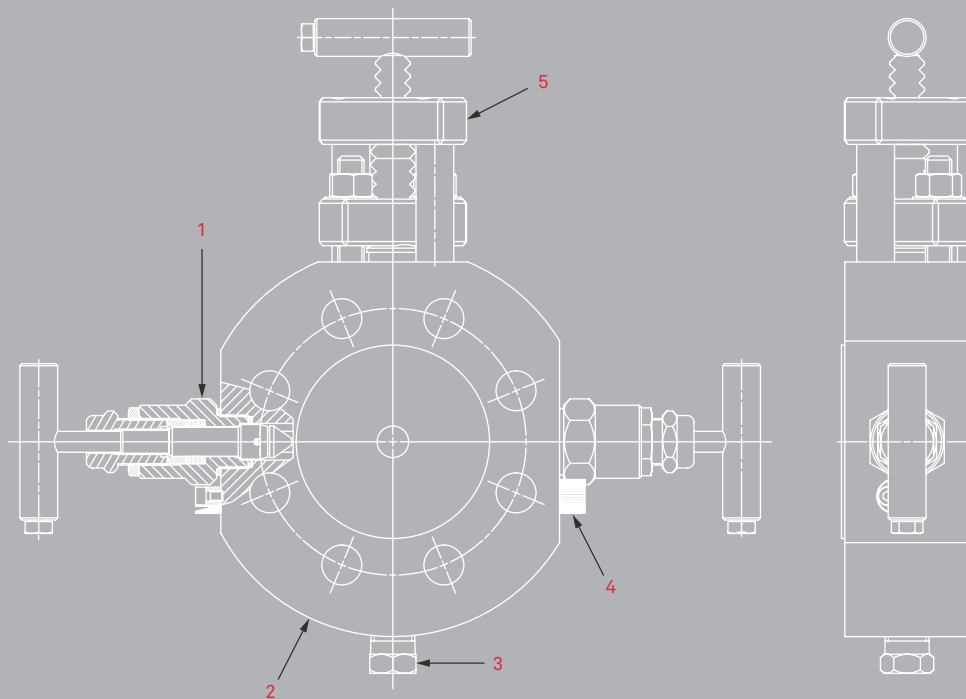
# Ø10mm Bore DMF Monoflange Flange x Flange

Technical Spec

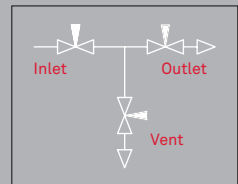
Double block and bleed monoflange valve with flanged inlet & outlet, utilising metal to metal seat and bonnet to body connection for superior, bubble tight sealing capabilities at both extreme pressures and temperatures.

The DMF type valve offers a Needle, Needle, Needle configuration as well as an OS&Y Needle, Needle, Needle configuration to suit all needs. The unique anti-vibration cam locking device at body bonnet connection is for extra safety. This series offers working pressures of up to ASME class 2500 with a maximum working temperature of 472°C.

Valve Construction



- 1 Screwed Needle Valve
- 2 Double Flanged Monoflange Body
- 3 Blank Plug
- 4 Locking Cam Device
- 5 OS&Y Needle Valve



Flow Diagram

Options

Flange/Inlet †	Outlet †	Vented Port Thread †	Vent Port †	Needle Valve
Raised Face	Raised Face	NPT	Plugged	Standard Needle
Flat Face	Flat Face	BSPP	Unplugged	Anti-Tamper Needle
Ring Type Joint	Ring Type Joint	BSPT	Safety Vent Plug	OS&Y Needle
				Lockable OS&Y Needle

† Other options can be supplied upon request.



**Temp. Range**  
-46°C > 472°C<sup>†</sup>



**Pressure Rating**  
ASME Class 150 - 2500



**Flange Sizes**  
ASME B16.5 1/2" - 2"†



**Compliance**  
NACE MR - 01 - 75

<sup>†</sup> Actual maximum working temperature is dependent on valve service conditions; please contact for more information.

Design Features

- ASME B16.5 ½” to 2” NB Flange sizes - Larger sizes are available
- ASME B16.34 Class 150 to 2500 pressure rated and API 6A up to 10,000psi
- ASME B1.20.1 ½” – 14 NPT Outlet Size – Standard
- ASME B1.20.1 ½” – 14 NPT Vent Size – Standard
- Other Outlet/Vent Sizes and Thread types are available
- Sample Probes/Injection Quills can be added to flanged face
- Different needle combinations/types available including OS&Y and Anti-Tamper
- Materials available; ASTM A182 F316 Stainless Steel, ASTM A182 F51/55 Duplex & Super Duplex, and ASTM B564 UNS N06625 Inconel
- Various trim materials available
- Standard Designs are fire safe

Pressure Testing

All our Valves are tested thoroughly. We offer a wide range of testing options due to our variety of in-house testing equipment. Standard Hydro-body, Hydro-seat and Gas seat testing is carried out to API 598 and API 6A, with permissible leakage to ISO 5208. However other standards can be adhered to should it be required, including but not limited to PR2, ISO 15848, MESC SPE 77/300 and MESC SPE 77/312. Please speak to our Sales team with regards to your testing requirements and we will be happy to advise.

**Non-Destructive Testing/Examination Options**

- DPI
- MPI
- Ultrasonic
- Hardness Testing
- Radiography