

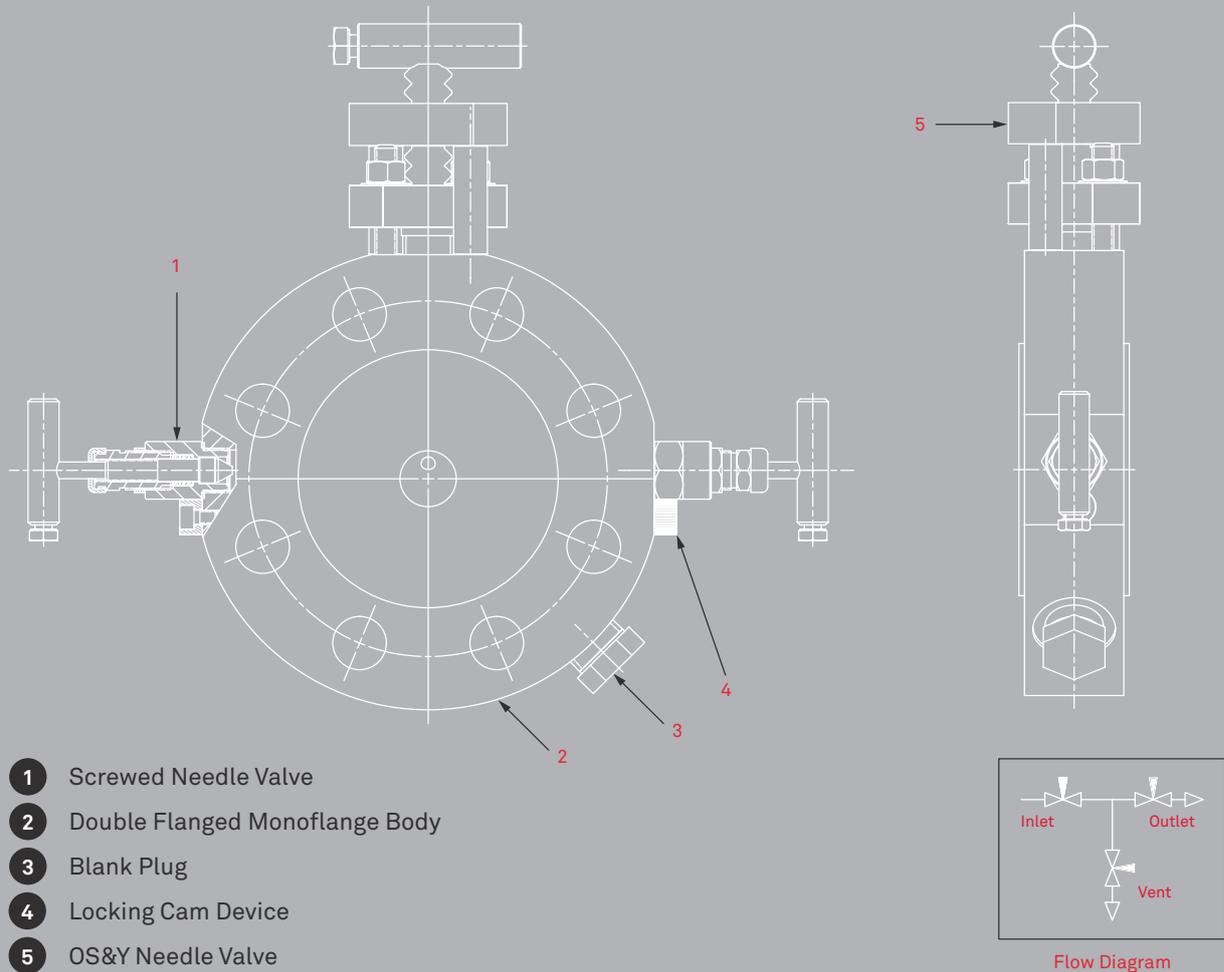
Ø5mm Bore DMF Monoflange Flange x Flange

Technical Spec

Double block and bleed monoflange valve with flanged inlet & outlet and threaded vent, 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 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



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 †



Pressure Rating
ASME Class 150 - 2500



Flange Sizes
ASME B16.5 1/2" - 2" †



Compliance
NACE MR - 01 - 75



Corrosion Protection
Ingress Sealing



Material Traceability
Major Components



Flow Direction
Uni-directional



Servicing Kits
Available

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

- Bubble tight metal to metal seat for positive shut off
- Two piece non-rotating hardened tip for first time seal and long service life
- Pressure responsive multi-ring / piston packing for compression and pressure dynamic sealing
- PEEK body bonnet seal for high pressure and high temperature
- Actuating threads are above packing to prevent contamination by the process medium
- Separate shut off for vent to prevent unwanted loss of process medium
- OS&Y valves available alongside standard Needle valves to cater for all customer needs
- Any combination of Vent sizes and types available on request
- Raised Face, Flat Face and Ring Type Joint connection options available
- Venting Plug available for Vent Port

Design Features

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

Pressure Testing