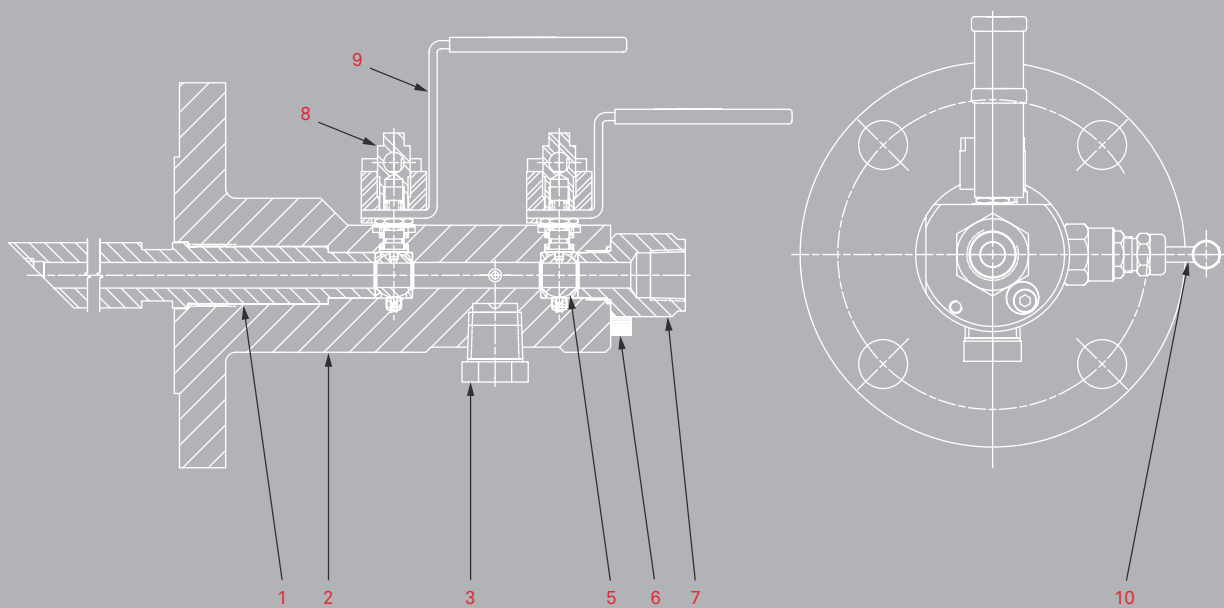


# V Series Sample Flange x Screw

Technical Spec

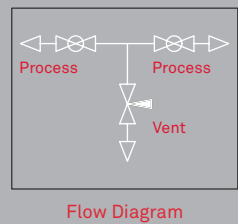
Double block and bleed single flanged valve manifold utilising soft seated ball valves and a metal seated valve with bonnet to body connection for superior, bubble tight sealing capabilities at both extreme pressures and temperatures.

The SVS type valve offers a Ball, Needle, Ball configuration (Other configurations available). A sample probe is also attached to the flanged end of the valve. This series offers working pressures of up to ASME class 2500 with a maximum working temperature of 200°C.



Valve Construction

- 1 Sample Probe Insert
- 2 Single Flanged Body
- 3 Blank Plug
- 4 Floating Ball Valve
- 5 Locking Cam
- 6 End Connector
- 7 Handle Locking Device
- 8 Ball Valve Operation Handle
- 9 Screwed Needle Valve



Options

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

†Other options can be supplied upon request.



**Temp. Range**  
-46°C > 200°C †



**Pressure Rating**  
ASME Class 150 - 2500



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



**Compliance**  
NACE MR - 01 - 75



**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.

Design Features

- 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/Outlet sizes and types available on request
- Raised Face and Ring Type Joint connection options available
- Venting Plug available for Vent Port

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