

Bulk Instrument Manifold are manufactured in 316 stainless steel or in any machinable metals including: Carbon Steel, Monel, Inconel Titanium, Hastelloy C,

To conform with H₂S Sour Gas service requirements, **Bulk Instrument Manifold** can be manufactured in accordance with NACE specification MR-01-75.

QUALITY CONTROL TESTING & CERTIFICATION

Ensuring quality is one of the more important considerations in the production process at **Bulk**.

It is not only inspected the final product but all the stage manufacturing steps are surveyed in detail.

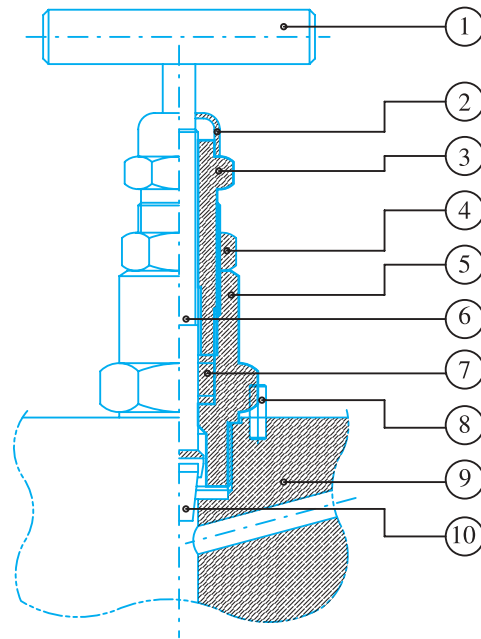
Production of all components is carefully controlled from design through final testing.

Records are maintained to verify specification compliance in raw material procurement and testing.

Following are the inspection documents available upon request:

- Certificate of Compliance with the order
- Test Report
- Inspection certificate

Each valve is hydrostatically tested prior to shipment.



DESIGN FEATURES

- 1) **HANDLE**
Is a one piece T bar handle, as standard assembly.
- 2) **DUST CAP**
For protecting the stem from surrounding atmospheric conditions and prevent contamination of stem lubricant.
- 3) **THREAD BUSH/GLAND NUT**
Used for adjusting stem packing and tightening the gland packing to required pressure for operating and to maintain perfect sealing.
- 4) **LOCK NUT**
For locking the thread bush once the stem packing is compressed to require pressure, it also prevents loosening of bush through vibration.
- 5) **BONNET**
Precision machined screwed bonnet ensures a bubble tight seal between bonnet and body.
With minimum torque a bubble tight seal is achieved.
The unique design eliminates all stress and ensures a high safety factor to maximum operating pressure.
- 6) **STEM**
Fine machined, improved surface finish with high accuracy for smooth actuation of thread.
Back seat stem can be adjusted to prevent black lash while valve is on service.
- 7) **PACKING**
Stem packing is done below the threads, this prevents loss of media, threads corrosion and galling.
Valves are preferably fitted with PTFE packing for temperature up to 180°C (360°F); graphoil is recommended for temperatures over 180°C (360°F).
- 8) **LOCK PIN**
Prevents accidental loosening of the bonnet from body. The bonnet lock screw or split pin is located near the bonnet and locked into the body.
- 9) **BODY**
Precision machined valve bodies with a choice of end connection are provided.
- 10) **NEEDLE**
The valve stem is fitted with a non-rotating plug tip.
This unique design allows the plug tip to float at the end of the stem, giving perfect seal for repetitive bubble tight shut off.