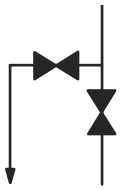
Remote-Mount Manifold

Two Valve

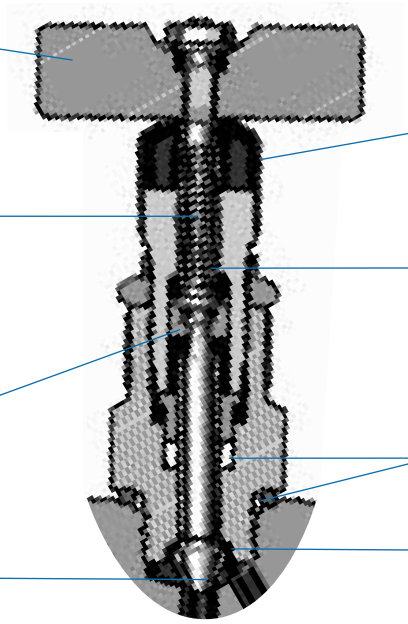
Features

- Non-rotating hardened needle design for leak-tight shutoff and long service life
- Angled vent valve for panel mounting
- Working pressures up to 6000 psig (413 bar)
- All stainless steel construction with PTFE packing and seals
- Color-coded valve label rings for easy valve identification
- Available graphite packing and seals for high-temperature service

Instrument Side



Process Side



Stainless steel handle with square drive stem and locknut to ensure positive actuation

Stem threads are cold rolled for high strength and smooth operation

Two-piece knuckle joint provides non-rotating needle feature. Joint is located above the packing, protected from system media

Non-rotating, hardened needle for positive shutoff

Shroud protects stem threads against ingress of dirt and dust

Stem threads above packing protected from system media

Choice of packing and bonnet seal materials

Safety back seating needle seals in fully open position

Swagelok

Pressure-Temperature Ratings

Valve Packing	Pressure psig (bar)	Temperature °F (°C)
PTFE	6000 (413)	200 (93)
	4000 (275)	400 (204)
Graphite	6000 (413)	200 (93)
	3000 (206)	850 (454)

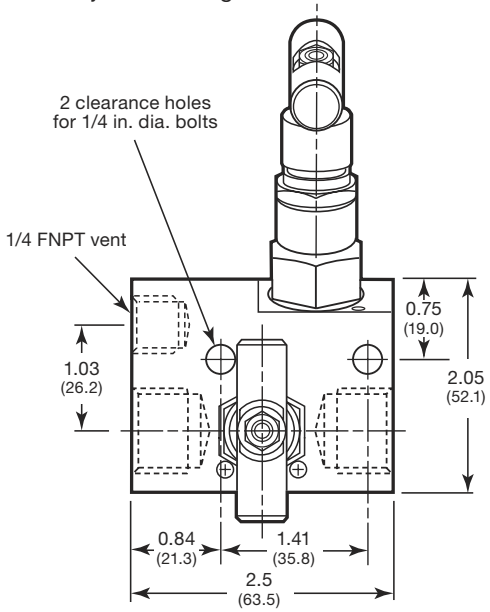
Materials of Construction

Component	Material / ASTM Specification
Body	*316/316L SS / A479*
Bonnets	
Needles	*S17400 SS / A564 Condition H1150D*
Packings	*PTFE*
Bonnet seals	
Bonnet seal rings	316 SS
Gland nuts	
Shrouds	
Glands	
Handles	
Handle locknuts	
Handle washers	
Stems	
Locking pins	
Gland locknuts	
Lubricant	Molybdenum disulfide in hydrocarbon carrier

Wetted components listed in *italics*.

Dimensions

Dimensions, in inches (millimeters), are for reference only and are subject to change.



Safe Product Selection
When selecting a product, the total system design must be considered to ensure safe, trouble-free performance. Function, material compatibility, adequate ratings, proper installation, operation, and maintenance are the responsibilities of the system designer and user.

Testing

Every remote-mount, 2-valve manifold is factory tested hydrostatically. A shell test is performed at 1.5 times maximum rated working pressure and a seat test is performed at 1.1 times maximum rated working pressure, in accordance with BS EN 12266-1 (formerly BS 6755 part 1).

Ordering Information

M**S**B G **4N** **A**T

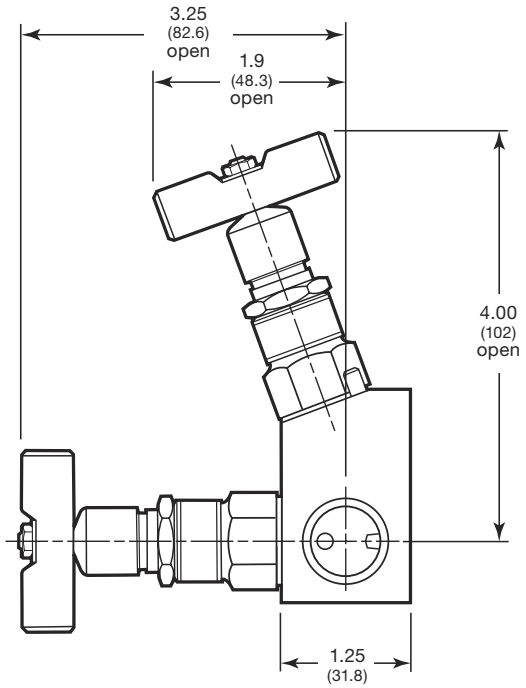
Material
S = Stainless steel
C = Carbon steel

End Connections, Female NPT
2N = 1/4 in.
4N = 1/2 in.

Packing / Bonnet Seal
A = PTFE
C = Graphite

⚠ **Packing adjustment may be required during the service life of the valve to prevent leakage.**

⚠ **Valves that have not been cycled for a period of time may have a higher initial actuation torque.**



Caution: Do not mix or interchange parts with those of other manufacturers.