

1970 Series MANUAL GLOBE VALVE



- **Level I/SUBSAFE**
- **QPL-24439
Qualified**
- **High pressure**
- **Bi-directional
flows and shutoff**

Application:

The 1970 Manual Globe Valve is a “Packless”, rugged, and reliable valve that is compatible and safe with high pressure oxygen. It is used on all U.S. Navy nuclear submarines and multiple surface ships as well. It conforms to Level I/SUBSAFE criteria and is available in many different configurations.

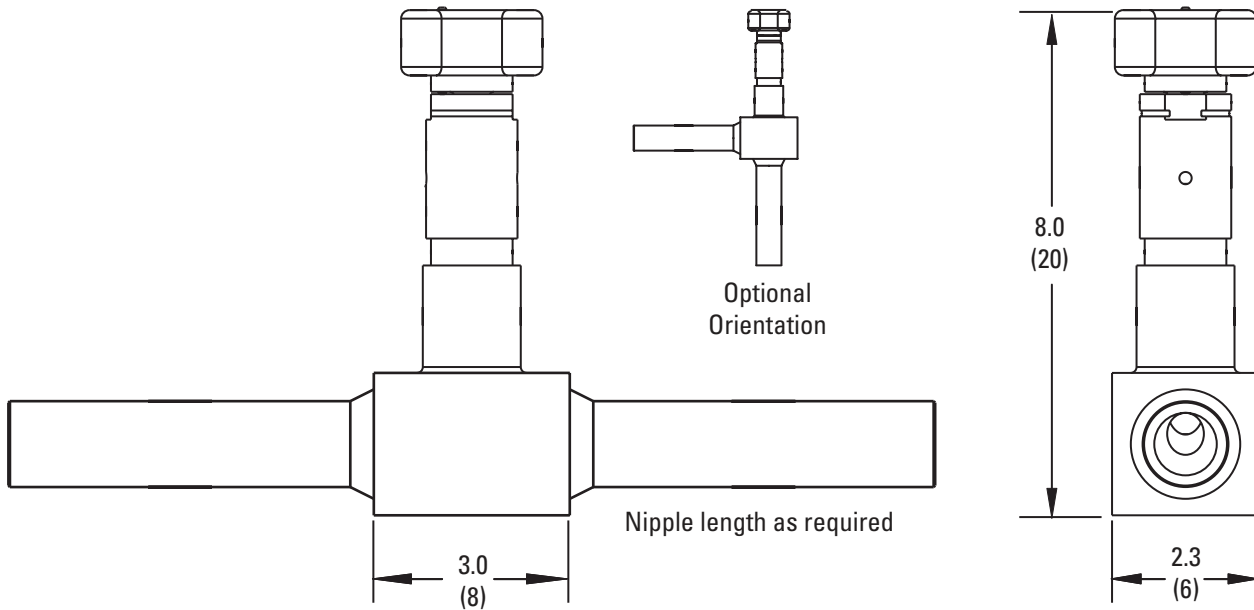
Features:

The 1970 Series Globe Valve features a “packless” bellows, no dynamic seals, and a Neoflon seat with a back-up metal to metal seat. It also has a non-rotating valve stem resulting in longer seat life and features a Nickel-Copper body for corrosion resistance. It is capable of bi-directional flow and shutoff, and is qualified to MIL-V-24439 including Shock and Vibration.

SPECIFICATIONS

MANUAL GLOBE VALVE

Part Number: 1970 Series



All dimensions in inch (mm)

Specifications:

Media	Oxygen, Nitrogen, Helium
Operating Pressure	0 to 4,500 psig (0 to 310 bar)
Proof	6,000 psig (414 bar)
Equivalent Sharp Edge Orifice	0.20, 0.3, 0.35, 0.50 in (5.08, 7.62, 8.89, 12.70 mm)
Pipe Sizes (IPS)	1/8", 1/4", 3/8", 1/2", 3/4", 1" (3.18, 6.35, 9.53, 12.70, 19.05, 25.40 mm)
Weight	2.5 to 10.0 lbs (1.13 to 4.54 kg) (depending on configuration)

Operating Environment:

Temperature	-65 to 160 deg F (-54 to 71 deg C)
Body Styles	Manifold Mounting Globe Style Angle Style Needle Style Watertight
Material in Contact With Media	Ni-CU, PCTFE (Neoflon), PTFE, Copper (Seal), Nickel (Bellows), Inconel (Spring), CRES, Fluorocarbon O-rings and Solder
Inlet/Outlet	Socket Type Nipple, Threaded Type Nipple, Butt Welded Type Nipple, Manifold Mounting