



# 980 Series Instrumentation Valve

CPV instrument valves offer unsurpassed high quality as a result of rigorous qualification testing by military specification.

CPV Instrument Valves are of a simplified design, providing a construction which offers high reliability for liquids or gases at pressures up to 6000PSI at temperatures from -90°F to +600°F.

Each valve is constructed from the highest quality materials, in accordance with military specifications. Standard materials for the body, bonnet, and stem are either stainless steel or nickel copper alloy. The valve designs have all passed a series of high shock and vibration tests. Each valve is hydrostatically tested for seat tightness and structural soundness prior to shipping.

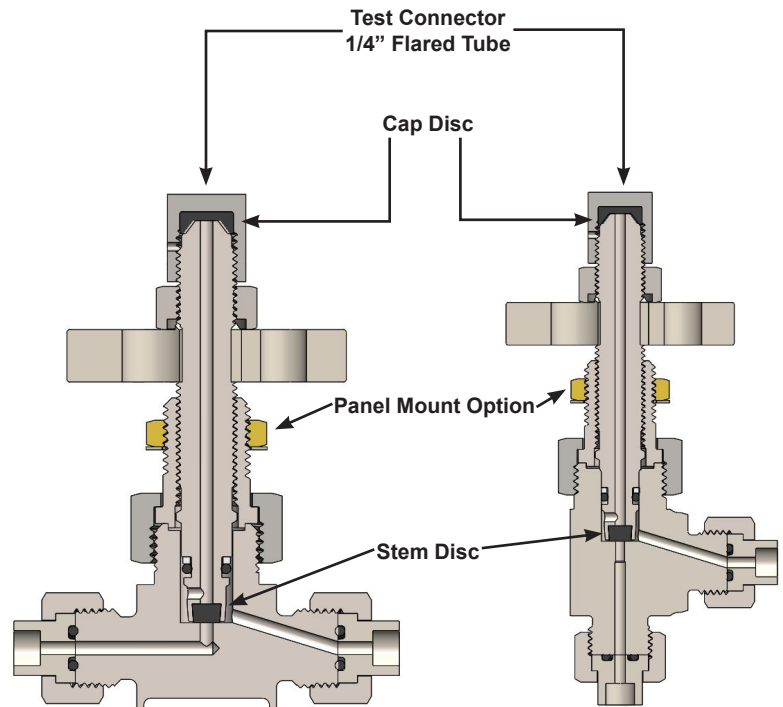
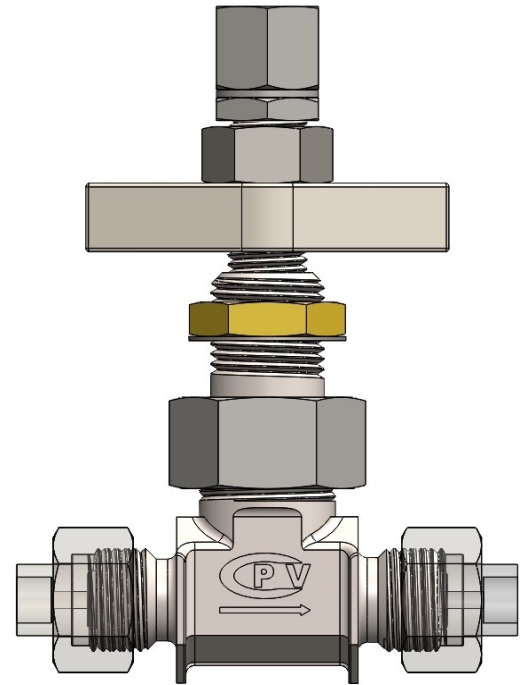
The valves superior design includes low torque operation. The metal to metal back seat characteristic prevents the stem from backing out from the valve body.

## Intended Use:

Instrument piping isolation valve (gauge valve)

## Features & Benefits

- Pressure rating of 6000 psi
- Water, oil, and gas (WOG) compatible
- Handwheel configuration: non-slip "T" shaped feature
- Stem Test Connection
  - Located above handwheel
  - Cap - Permanently attached by lanyard to valve bonnet
  - Vent/Gauge port for pressure testing
- Union Connection between body and bonnet provides positive metal to metal backseat and prevents stem from backing out of bonnet
- Gauge board mounting with full panel nut engagement which prevents unintentional loosening
- Open and close fully without exceeding torque of 62 in.-lb.
- Shock and vibration tested and approved
- Military approved as per MIL-V-24578B & MIL-DTL-24578C



980 - Inline Style

981 - Angle Style



A PEO COMPANY

[www.prochem.com.au](http://www.prochem.com.au)

# 980 Series Instrumentation Valve

## Materials of Construction

Component	Assembly SS	Assembly M
Body	Stainless Steel	Monel®
Bonnet	Stainless Steel	Monel®
Stem	Stainless Steel	Monel®
Packing (O-Ring)	Viton®	Viton®
Tailpiece	Stainless Steel	Monel®
Bonnet & Tailpiece Nuts	Stainless Steel	Monel®

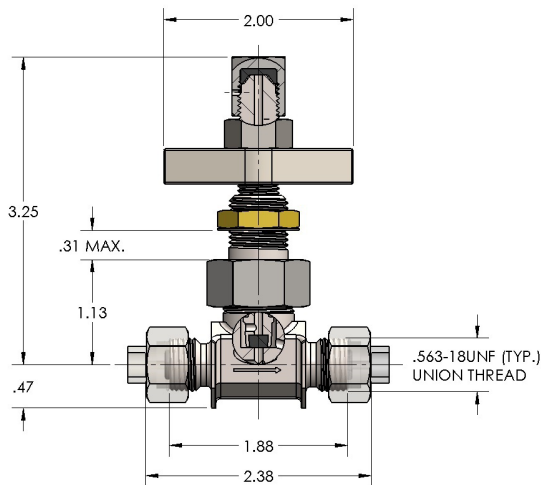
Assembly SS:  
Stainless Steel, Standard Service

Assembly M:  
Monel®, Oxygen Service

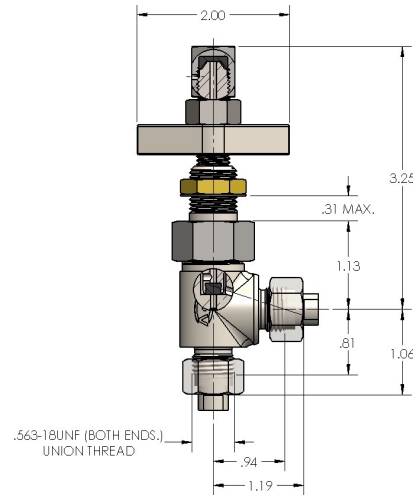


A PSC COMPANY

[www.prochem.com.au](http://www.prochem.com.au)



980 - Inline Style

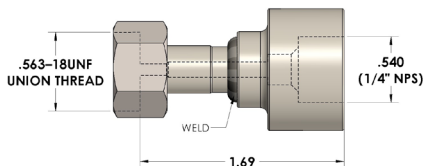


981 - Angle Style

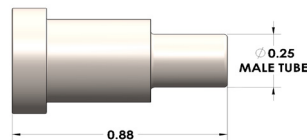
### Notes:

1. All dimensions listed are in inches.
2. Both 980 and 981 instrument valves connect to 1/4" OD Tube Socketweld Tailpieces as a standard, unless otherwise specified. Alternate tailpiece fitting options are shown below.

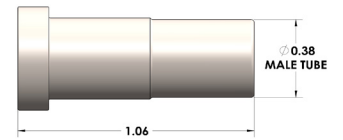
## Tailpiece Fittings



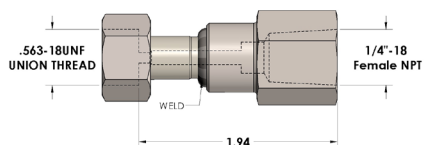
951R-4-4  
Tailpiece Assembly for 1/4" Pipe



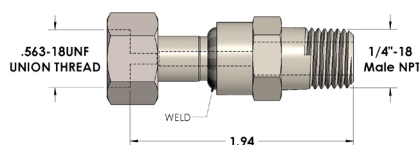
963R-4-4  
Tailpiece for 1/4" Male Tube



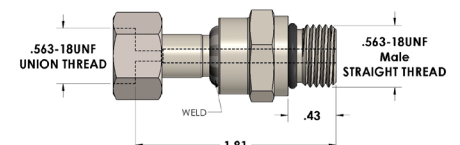
963R-4-6  
Tailpiece for 3/8" Male Tube



953R-4-4  
Tailpiece Assembly for 1/4" Male NPT



954R-4-4  
Tailpiece Assembly for 1/4" Female NPT



959R-4-6  
Tailpiece Assembly for Male Straight Thread