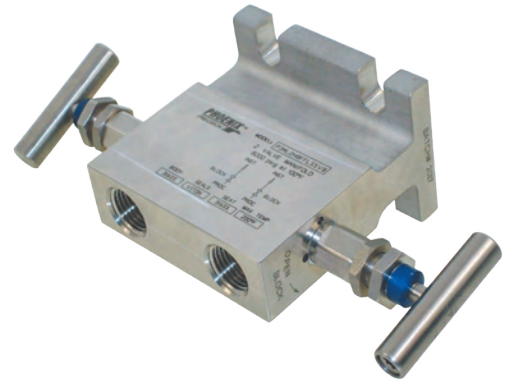


## LIQUID LEVEL MANIFOLD

### 3/16" Bore Liquid Level Manifold

The P3ML2H manifold is designed to be used with differential pressure ( $\Delta P$ ) transmitters on pressurized vessels in liquid level applications. The P3ML2H features 2 isolation valves with no communication between the high pressure leg and the low pressure leg. It is available in both a 1/2" FNPT x Flange design and a Flange x Flange design.

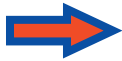


### Standard Features

Hydrotested at 150% of rated pressure (shell test). Nitrogen gas tested to 2000 psi.



Seat tightness (zero leakage) verified to 110% of rated pressure. Nitrogen gas tested to 2000 psi.



Packing below stem threads



Metal body-to-bonnet seals are in compression, not tension



Stem threads are rolled, not cut



8 RMS stem finish



V-Style Teflon™ packing



Pressure component materials sourced from the US, Canada or Europe



### Benefits

Complies with ASME B31.1 & B31.3 shell testing procedures as standard. Ensures structural integrity of valve.

Complies with ASME B31.1 & B31.3 seat testing procedures as standard. Ensures zero leakage at seats for proper calibration.

Prevents corrosion of critical stem threads

Mitigates risk of stress cracking

Higher quality stem for longer service life

Extended packing life

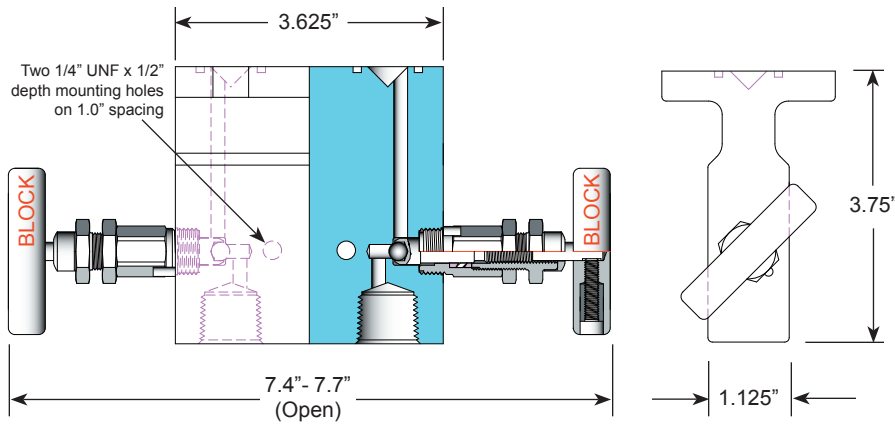
30-40% less operational torque and less frequent packing adjustments than traditional Teflon™ packed valves

Reliable material traceability. MTR's provided with every order for pressure containing components.

# P3ML2H™ 2-Valve Liquid Level Manifold

## Technical Specifications

### Pipe x Flange Configuration

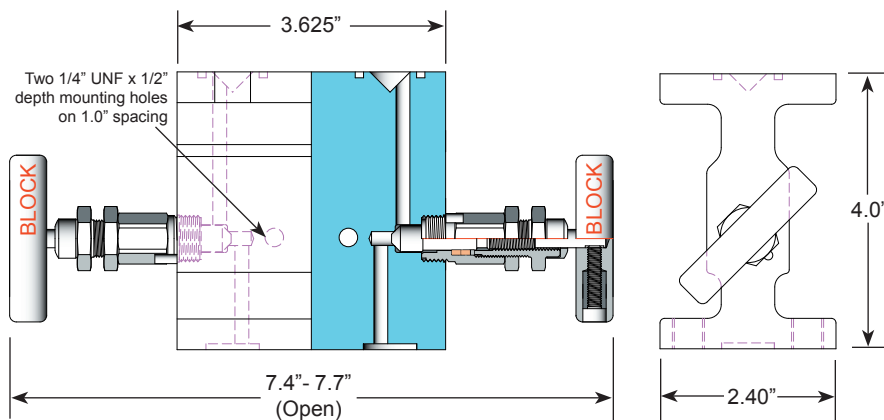


#### Specifications:

Type: **P3ML2H** 2-valve Liquid Level Manifold, Globe Pattern  
 Rating: Up to 6000 psi @ 100°F (41370 kPa @ 38°C)  
 Stem: Needle tip or Ball tip  
 Packing: Teflon™ or Grafoil™  
 Seat: Integral  
 Handle: Removable  
 Bore Size: 3/16"  
 Inlet Connections: FNPT  
 Outlet Connections: Flange  
 Bonnet Lock: Pin or Plate  
 Body Stock: 3.750" x 3.625" x 2.4" x 1.125"  
 Weight: 4.7 lbs  
 Special Service: O<sub>2</sub> or CL cleaning available\*

\*Other specifications or services may be available.

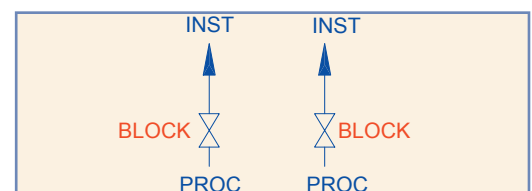
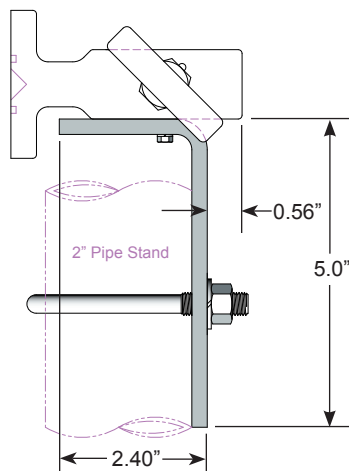
### Flange x Flange Configuration



#### Specifications:

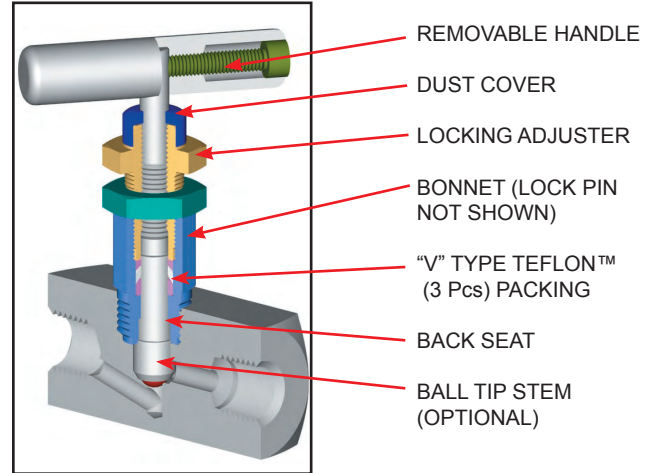
Type: **P3ML2H** 2-valve Liquid Level Manifold, Globe Pattern  
 Rating: Up to 6000 psi @ 100°F (41370 kPa @ 38°C)  
 Stem: Needle tip or Ball tip  
 Packing: Teflon™ or Grafoil™  
 Seat: Integral  
 Handle: Removable  
 Bore Size: 3/16"  
 Inlet Connections: Flange  
 Outlet Connections: Flange  
 Bonnet Lock: Pin or Plate  
 Body Stock: 4.0" x 3.625" x 2.4" x 1.125"  
 Weight: 5.1 lbs  
 Special Service: O<sub>2</sub> or CL cleaning available\*

\*Other specifications or services may be available.



### Teflon™ Bonnet Assembly

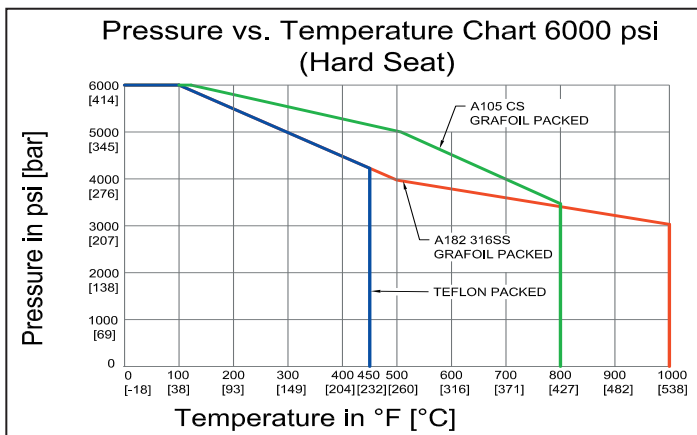
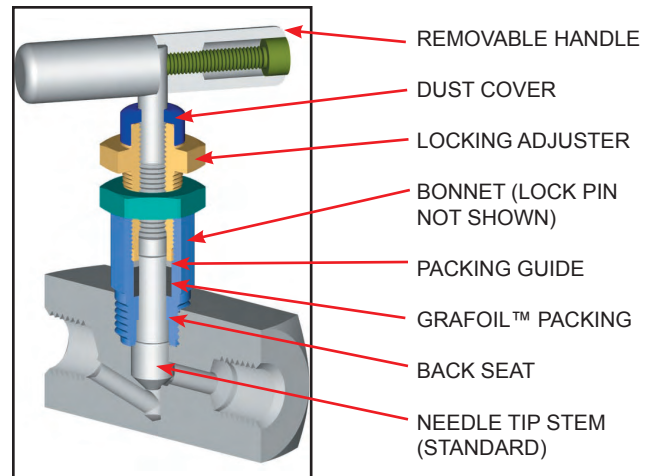
Standard Materials					
Valve	Body	Bonnet	Stem	Ball	Packing
CS	ASTM A108CS	ASTM A108CS	ASTM A582 303SS	SEE OPTION CODES ON PAGE 4	Teflon™
SC	ASTM A105CS	ASTM A182 316SS	ASTM A182 316SS		
316SS	ASTM A182 316SS	ASTM A182 316SS	ASTM A182 316SS		



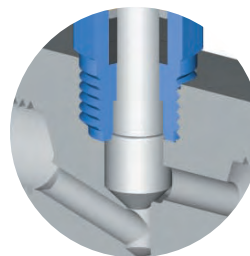
### Grafoil™ Bonnet Assembly

Standard Materials					
Valve	Body	Bonnet	Stem	Ball	Packing
CS	ASTM A108CS	ASTM A108CS	ASTM A582 303SS	SEE OPTION CODES ON PAGE 4	Grafoil™
SC	ASTM A105CS	ASTM A182 316SS	ASTM A182 316SS		
316SS	ASTM A182 316SS	ASTM A182 316SS	ASTM A182 316SS		

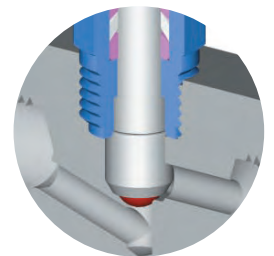
NOTE: Optional low torque Grafoil™ available (G4 Packing Code)



### Stem and Seat Configurations



Needle Tip  
(Standard)



Ball Tip  
(Optional)

Note: Body material specifications based on ASME B16.34 - 2009. Packing material ratings based on manufacturer's specifications. Approximations only. Phoenix does not represent these values as finite. They are provided only as representative values.

