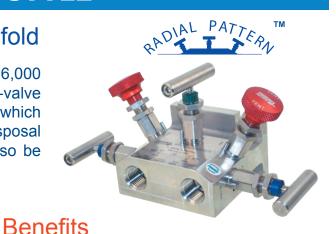


P3MP5H™ 5-VALVE POWER STYLE MANIFOLD

5-VALVE MANIFOLD - POWER STYLE

3/16" Bore 5-Valve Power Style Manifold

Phoenix offers this 5-valve globe pattern manifold for 6,000 psi service. The manifold is designed to function as a 3-valve manifold with the addition of two vent/calibration valves, which allow venting and draining of the transmitter for safe disposal of process media. The additional connections can also be used for field calibration of a transmitter.



Standard Features

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



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

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



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

Packing below stem threads



Prevents corrosion of critical stem threads

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



Mitigates risk of stress cracking

Stem threads are rolled, not cut



Higher quality stem for longer service life

8 RMS stem finish



Extended packing life

V-Style Teflon™ packing



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

True globe pattern valve



Extended packing life

Pressure component materials sourced from the US, Canada or Europe



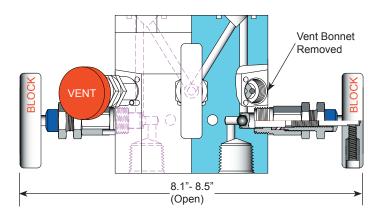
Reliable material traceability. MTR's provided with every order for pressure containing components.



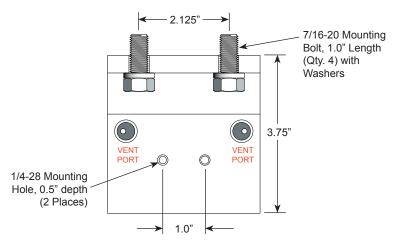


P3MP5H™ 5-Valve Power Style Manifold Technical Specifications

Top View of Power Manifold



Bottom View of Power Manifold



Specifications:

Type: P3MP5H, 5-valve Power Style 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" (Primary, Equalize)

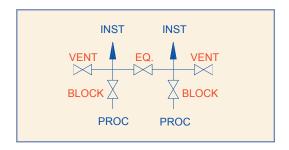
1/8" (Vent)
Inlet Connections: FNPT
Outlet Connections: Flange
Bonnet Lock: Pin or Plate

Body Stock: 3.625" x 3.750" x 2.4" x 1.25"

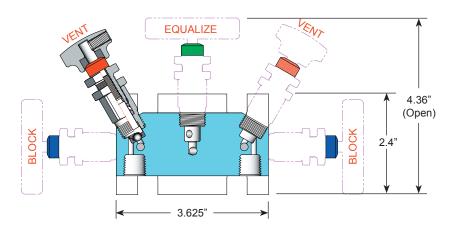
Weight: 5.8 - 6.1 lbs

Special Service: O2 or CL cleaning available*

*Other specifications or services may be available.



Section View with Color Coded Bonnets



Color Coding of Bonnets:

Block Bonnet: Blue

Equalize Bonnet: Green

Vent Bonnet: Red

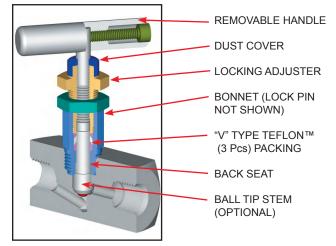
Color Coding as Shown on Diagram to Left



P3MP5H™ 5-Valve Power Style Manifold Bonnet, Stem and Seat Characteristics

Teflon™ Bonnet Assembly

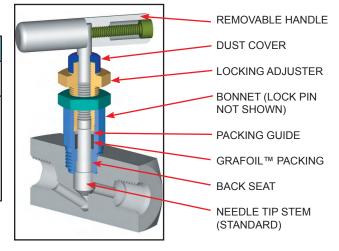
Standard Materials							
Valve	Body	Bonnet	Stem	Ball	Packing		
CS	ASTM A108CS	ASTM A108CS	ASTM A582 303SS	SEE OPTION CODES	Teflon™		
SC	ASTM A105CS	ASTM A182 316SS	ASTM A182 316SS	ON PAGE 4			
316SS	ASTM A182 316SS	ASTM A182 316SS	ASTM A182 316SS				

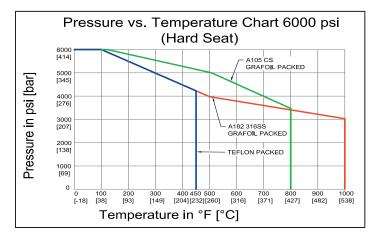


Grafoil™ Bonnet Assembly

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

NOTE: Low torque Grafoil™ available (G4 Packing Code)



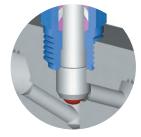


Note: Body material specifications based on ASME B16.34 - 2009. Packing material ratings based on manufacturer's specifications. Approximations only. Phoenix does not represent these values as finite. They are provided only as representative values.

Stem and Seat Configurations



Needle Tip (Standard)



Ball Tip (Optional)



P3MP5H™ 5-Valve Power Style Manifold Model Numbering System

Phoenix	Orifice Size	Туре	Inlet Size	Inlet Type	Outlet Size	Outlet Type	Material	Packing	Seat	Stem Tip
Р	3=3/16"	MP5H	8=1/2"	F=FNPT		FL=Flange	SS=ASTM A182 316/316L	T=Teflon™ (PTFE)	Integral (leave blank)	Needle Tip Standard (leave blank)
				FT=Female Tube Fitting			SC=ASTM A105 CS*	G=Grafoil™		B=316SS Ball Tip
				FL=Flange			CS=ASTM A108 CS*	G4=Low Torque Grafoil™		BC=Ceramic Ball Tip
							C5=ASTM A350 LF2			BM=Monel™ Ball Tip
							N4=Monel™ 400			
							N6=Inconel™ 625			
							N8=Inconel™ 825			
							N2=Hastelloy™ C276			
EXAMPL	E: P3MP5	H8FFLS				nifold Power St 6 SS Ball Tip S	yle, 1/2" FNPT Inle Stem	et, Flange Outle	et, 316 SS	Body, Teflon™
Р	3	MP5H	8	F		FL	ss	Т		В

825					H(V)MBS	SS Horizontal
l2=Hastelloy™ C276						(Vertical) Mounting Bracket
, 1/2" FNPT Inle	t, Flange Outle	et, 316 SS	Body, Teflon™		S6	316 SS Bolts
m						2.25" CS Bolts
S	Т			225S4	2.25" 304 SS Bolts	
bolts must be s			225S6	2.25" 316 SS Bolts		
		B7	AISI 4140/4142 QT			
Cada Daltina Inf		B8C1	Class 1, 304SS, ST			
Code Bolting Inf	BMC1, B8C2, B8	B8MC1	Class 1, 316SS, ST			
ASTM A193; 2. To specify coo	de grade bolting,	B8C2	Class 2, 304SS, ST, SH			
bolt length; B7 grade, alloy steel, AISI 4140/4142 3. QT-Quenched & Tempered; ST-Carbide Solution Treated; SH-Strain Hardened					B8MC2	Class 2, 316SS, ST, SH
			<u> </u>			

Option

Codes LB

CC

OC

SGI

N4

N6 N8

N2

Description

Bonnet Lock

Chlorine Clean

Oxygen Clean SS Tag

Sour Gas ISO NACE Latest Rev.

Monel[™] 400 Stem Monel[™] 500 Stem Inconel[™]625 Stem

Inconel™825 Stem Hastelloy™ C276

Horizontal (Vertical) Mounting Bracket

Stem

Use with Confidence, Phoenix Precision Products Meet the Following Specifications:

- ✓ ASME B31.1 Power Piping
- ✓ ASME B31.3 Process Piping
- ASME B16.34 Valves Flanged, Thread, and Welding End
- API 598 Valve Inspection and Testing
- MSS SP-25 Standard Marking Systems for Valves, Fittings and Flange Unions
- MSS SP-99 Instrument Valves
- MSS SP-105 Instrument Valves for Code Applications
- NACE MR0175/ISO15156 for all 316SS valves and A105CS body/316SS bonnet (SC-Material Code) when in service with less than 50 PPM of chlorides

For further information please contact:



Phoenix Precision Ltd. 2620 21st Street N.E. Calgary, Alberta T2E 7L3 Phone: (403) 291-3154 Fax: (403) 291-3292

email: phoenix@phoenixprecision.ca www.phoenixprecisionvalves.com

Seal and Seat Material Temperature Rating

Code	Description	Min. Temp.	Max. Temp.
Т	Teflon™	-65°F (-54°C)	450°F (232°C)
G	Grafoil™ (SS Body) (CS Body)	-70°F (-56°C) -70°F (-56°C)	1000°F (537°C) 800°F (427°C)

Note: Grafoil™ is suitable for services in excess of 1000°F in a non-oxidizing environment

Distributor / Representative:

Haldatec

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