

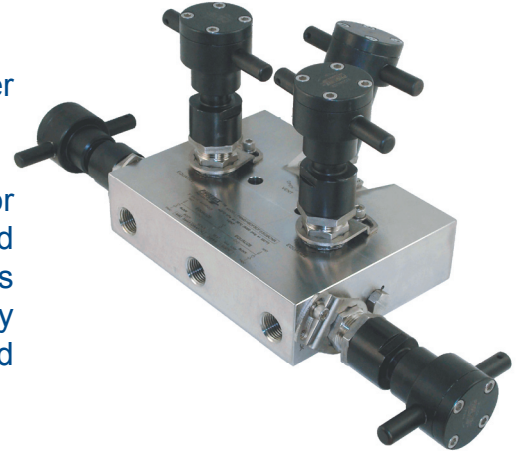


P6M5H-NR™ 5-VALVE SEVERE SERVICE MANIFOLD

5-VALVE MANIFOLD - SEVERE SERVICE

3/8" Bore 5-Valve Manifold

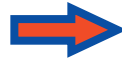
The 5-valve manifold features 2 isolation valves, 2 equalizer valves, and 1 vent valve in a single body for isolation and calibration of differential pressure transmitters. The manifold bonnets are configured with large severe service handles for easy operation. Additional features include a body manufactured from extruded solid bar, robust non-rotating stems, and Parker's innovative design which ensures a bubble tight seal in a variety of conditions. All Parker valves are manufactured and designed in accordance with MSS-SP105.



Standard Features

Benefits

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



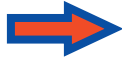
Complies with ASME B31.1 & B31.3 shell testing procedures as standard. Ensures structural integrity of valve.

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.

High temperature/pressure qualification tests of design



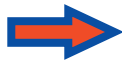
Complies with the requirements of EEMUA Pub. 182

Metal body-to-bonnet seals are in compression, not tension. Bonnet design has additional top bonnet seal.



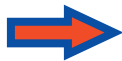
Mitigates risk of stress cracking

Integral 5-valve solid body



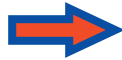
Minimizes number of leak points of traditional configurations

Non-rotating stem design with 8 RMS finish



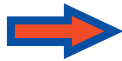
Extended packing life

Non-rotating Stem design with ceramic ball tip



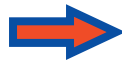
Provides best sealing ability on stem and valve seat and longer service life in abrasive processes

Grafoil™ packing (Teflon™ free)



Fire safe design to API 6FA

Pressure component materials sourced from the US, Canada or Europe



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

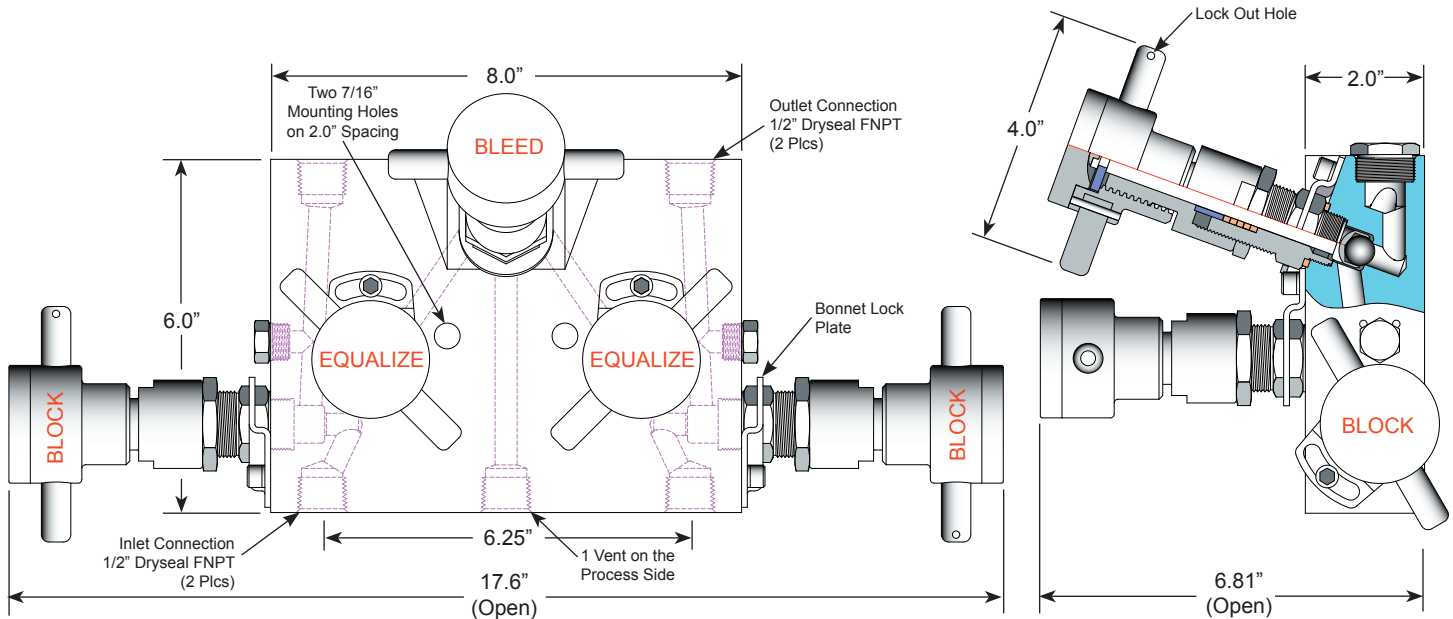
Solutions for Oil & Gas and Petrochemical Processing



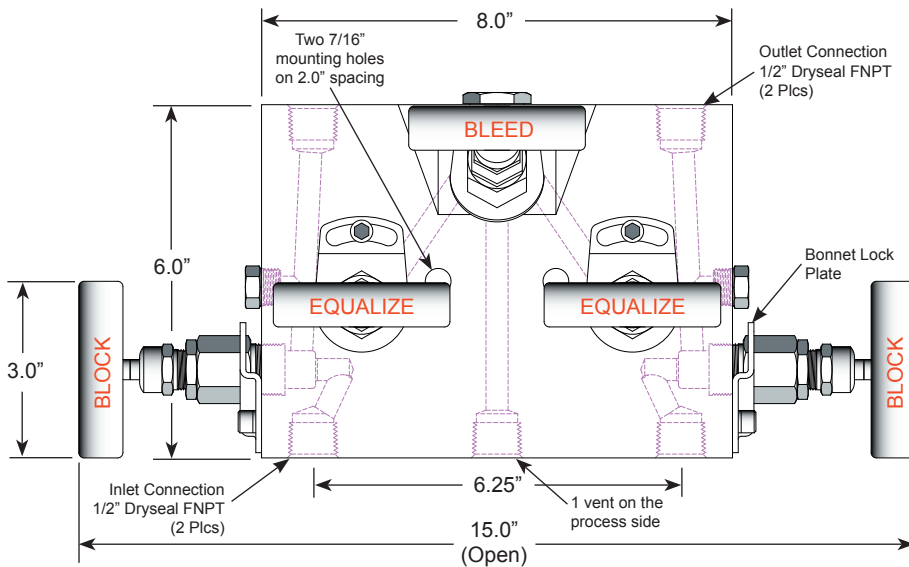


P6M5H-NR™ 5-Valve Severe Service Manifold Technical Specifications

Severe Service Configuration (Non-rotating Stem)

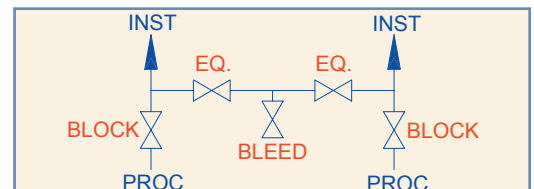


Regular Service Configuration (Rotating Stem) also Available



Specifications:

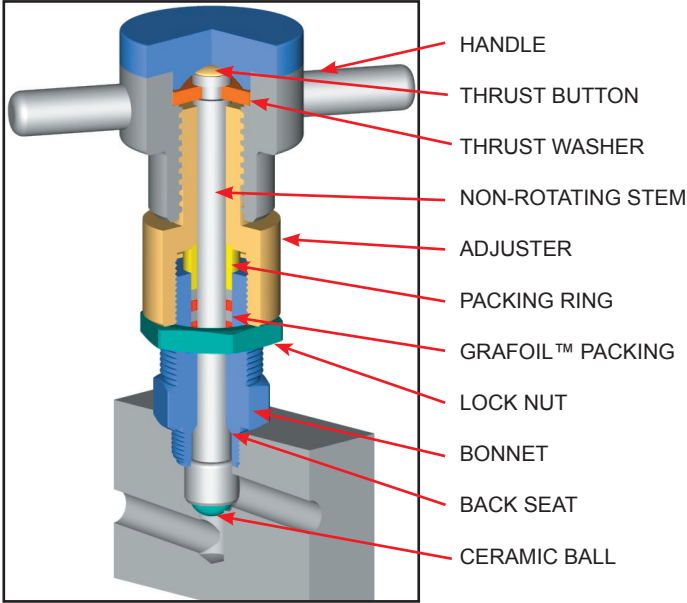
- Type: **P6M5H** 5-Valve Manifold, Globe Pattern
 - Rating: Up to 6000 psi @ 100°F
(41370 kPa @ 38°C)
 - Stem: Non-rotating Ball Tip (Severe Service)
Rotating Ball tip (Regular Service)
 - Packing: Grafoil™
 - Seat: Integral
 - Handle: Non-removeable (Severe Service),
Removable (Regular Service)
 - Bore Size: 3/8"
 - Inlet Connections: FNPT, FNPTF (dry seal)
 - Outlet Connections: FNPT, FNPTF (dry seal)
 - Bonnet Lock: Plate
 - Body Stock: 8.0" x 6.0" x 2.0"
 - Weight: 30 - 39 lbs
 - Special Service: O₂ or CL cleaning available*
- *Other specifications or services may be available.



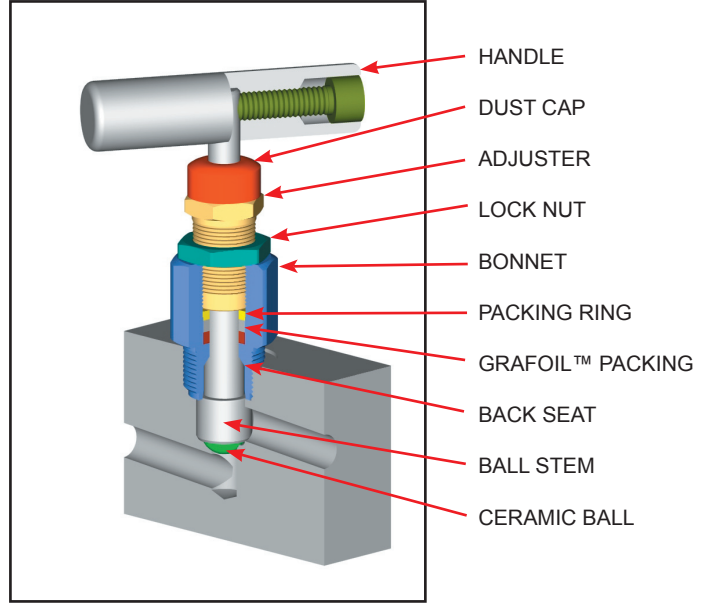


P6M5H-NR™ 5-Valve Severe Service Manifold Bonnet, Stem and Seat Characteristics

Non-rotating Bonnet Assembly

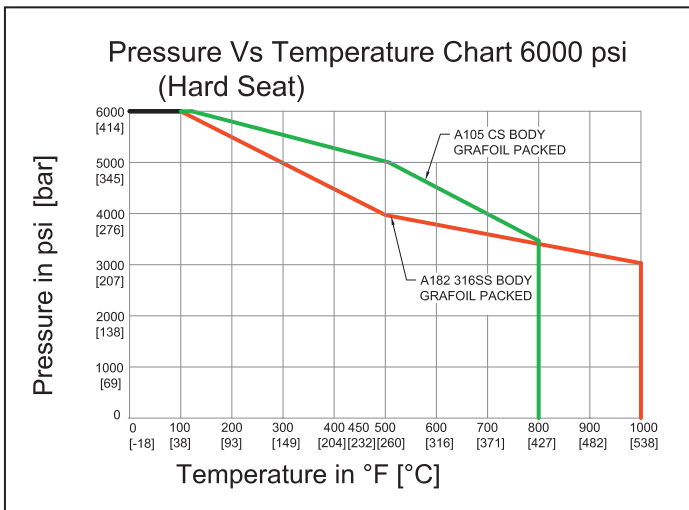


Rotating Bonnet Assembly

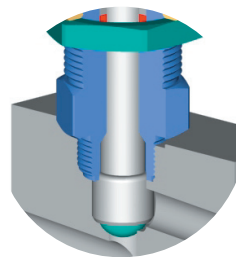


Standard Materials					
Valve	Body	Bonnet	Stem	Ball	Packing
SC	ASTM A105CS	ASTM A182 316SS	ASTM A182 316SS	SEE OPTION CODES ON PAGE 4	Grafoil™
316SS	ASTM A182 316SS	ASTM A182 316SS	ASTM A182 316SS		

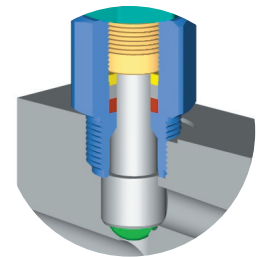
NOTE: Optional low torque Grafoil™ available (G4 Packing Code)



Stem and Seat Configurations



Non-rotating Bonnet



Rotating Bonnet

Note: Body material specifications based on ASME B16.34 - 2013. Packing material ratings based on manufacturer's specifications. Approximations only. Parker does not represent these values as finite. They are provided only as representative values.



P6M5H-NR™ 5-Valve Severe Service Manifold Model Numbering System

Parker	Orifice Size	Type	Inlet Size	Inlet Type	Outlet Size	Outlet Type	Material	Packing	Stem Tip	Stem Type	Option Codes	Description
P	6=3/8"	M5H	8=1/2"	F=FNPT	8=1/2"	F=FNPT	SS=ASTM A182 316/316L	G=Grafoil™	B=316SS Ball Tip	NR=Non-rotating	OC	Oxygen Clean
				DF=Dry Seal FNPT		DF=Dry Seal FNPT	SC=ASTM A105 CS*		BC=Ceramic Ball Tip		TG	SS Tag
				FT=Female Tube Fitting		FT=Female Tube Fitting	CS=ASTM A108 CS*		BM=Monel™ Ball Tip		SGL	Sour Gas ISO NACE Latest Rev.
							C5=ASTM A350 LF2				N4	Monel™ 400 Stem
							N4=Monel™ 400				N5	Monel™ 500 Stem
							N6=Inconel™ 625				N6	Inconel™ 625 Stem
							N8=Inconel™ 825				N8	Inconel™ 825 Stem
							N2=Hastelloy™ C276				N2	Hastelloy™ C276 Stem
EXAMPLE: P6M5H8DF8DFSSGBC = 3/8" Orifice, 5-Valve Manifold, 1/2" Dryseal FNPT Inlet, 1/2" Dryseal FNPT Outlet, 316 SS Body, Grafoil™ Packing, Integral Seat, Ceramic Ball Tip and Non-rotating Stem												
P	6	M5H	8	DF	8	DF	SS	G	BC	NR		
*For code applications, A105 CS must be selected for CS valves. Code grade bolts must be specified for code applications. Note: Standard Bolting Options , CS - carbon steel, Gr.8, zinc plated bolts; SS - stainless steel, 18.8 (304SS) bolts.												

Use with Confidence, Parker 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 for all 316SS valves and A105CS body/316SS bonnet (SC Material Code)

Seal and Seat Material Temperature Rating

Code	Description	Min. Temp.	Max. Temp.
G	Grafoil™ (SS Body)	-70°F (-56°C)	1000°F (537°C)
	(CS Body)	-70°F (-56°C)	800°F (427°C)
Note: Grafoil™ is suitable for services in excess of 1000°F in a non-oxidizing environment.			

For further information please contact:



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