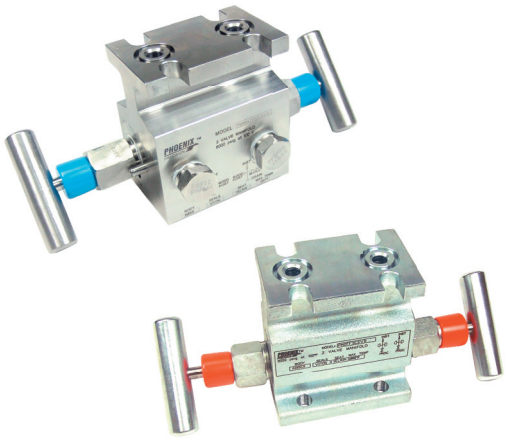
P6MB2S™ AND P6MBA2S™
2-VALVE BLOCK MANIFOLD

2-VALVE BLOCK MANIFOLD - SOFT SEAT

3/8” Bore 2-Valve Manifold

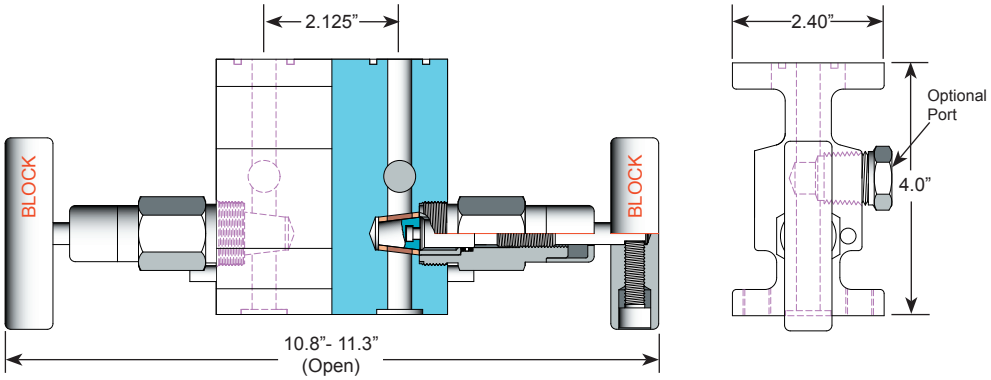
The 2-valve block manifold is designed to use in conjunction with a 5-valve manifold to eliminate the need to blow down an entire meter run when performing maintenance or when transferring measurement equipment to an alternate site. These manifolds also provide additional clearance needed in certain applications. The 2-vavle block is available in both straight (MB2S) and 90 degree (MBA2S) configurations to accommodate vertical and horizontal-to-vertical applications. The MB2S features non-rotating stem tips and large handles with rounded corners for easy, comfortable operation. For more economical and/or compact installations see Parker’s stabilized connector with block valve (ST6S).



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.
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
Non-rotating tapered tip stem	Extended soft seat life and a reliable soft seat shut off
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.
Pressure component materials sourced from the US, Canada or Europe	Reliable material traceability. MTR’s provided with every order for pressure containing components.

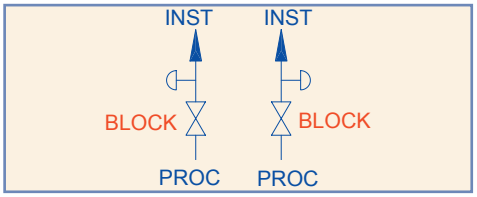
P6MB2S™ AND P6MBA2S™ 2-Valve Manifold
Technical Specifications

P6MB2S Straight Configuration

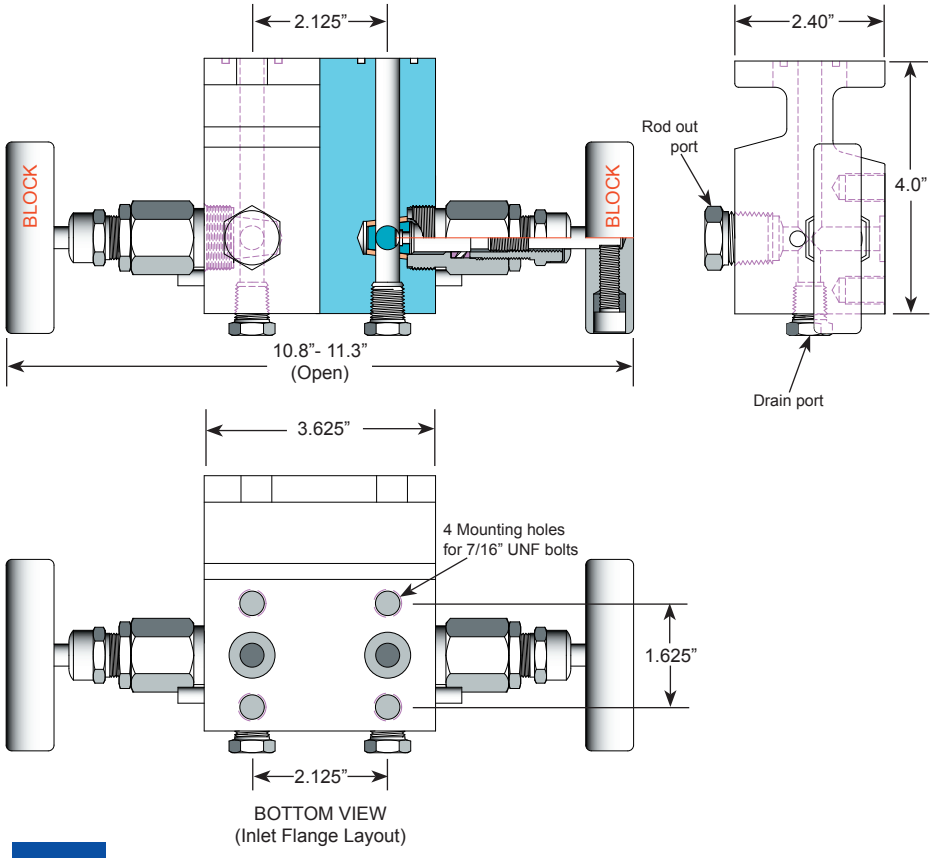


Specifications:
Type: **P6MB2S** FxF Manifold, Roddable Pattern
Rating: Up to 6000 psi @ 100ºF (41370 kPa @ 38°C)
Stem: Non-rotating Tapered Tip
Packing: Viton™ O-ring or Teflon™
Seat: Delrin™, Peek™ or Tefzel™
Handle: Removable
Bore Size: 3/8”
Inlet Connections: 4-Bolt Flange
Outlet Connections: 4-Bolt Flange
Bonnet Lock: Pin or Plate
Body Stock: 3.625” x 4.0” x 2.4” x 1.7”
Weight: 7.6 - 7.8 lbs
Special Service: O_2 or CL cleaning available*

*Other specifications or services may be available.

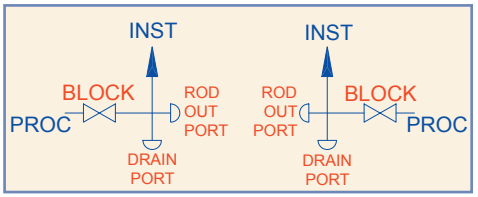


P6MBA2S 90º Angle Configuration



Specifications:
Type: **P6MBA2S** Angle FxF Manifold, Roddable Pattern
Rating: Up to 6000 psi @ 100ºF (41370 kPa @ 38°C)
Stem: Non-rotating Tapered Tip
Packing: Viton™ O-ring or Teflon™
Seat: Delrin™, Peek™ or Tefzel™
Handle: Removable
Bore Size: 3/8”
Inlet Connections: 4-Bolt Flange
Outlet Connections: 4-Bolt Flange
Bonnet Lock: Pin or Plate
Body Stock: 3.625” x 4.0” x 2.4” x 2.4”
Weight: 9.2 - 9.4 lbs
Special Service: O_2 or CL cleaning available*

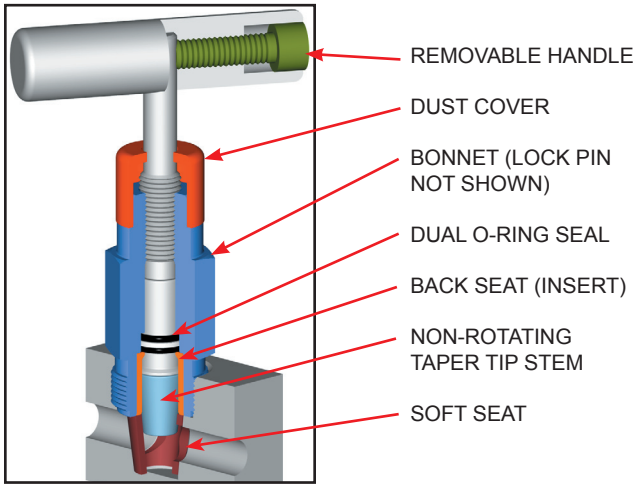
*Other specifications or services may be available.



P6MB2S™ AND P6MBA2S™ 2-Valve Manifold
Bonnet, Stem and Seat Characteristics

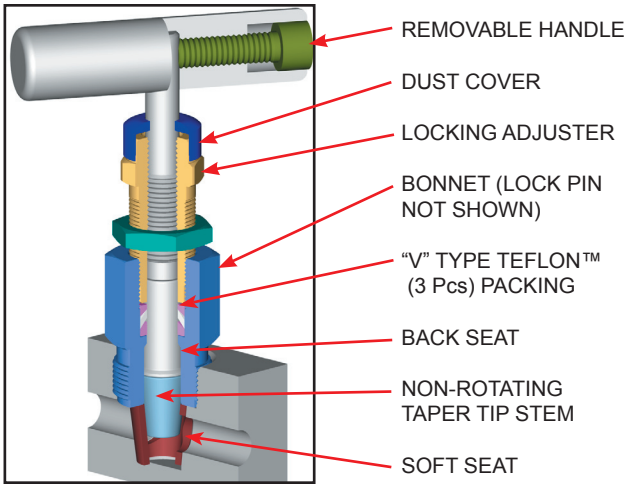
3/8” Bore O-ring Bonnet Assembly

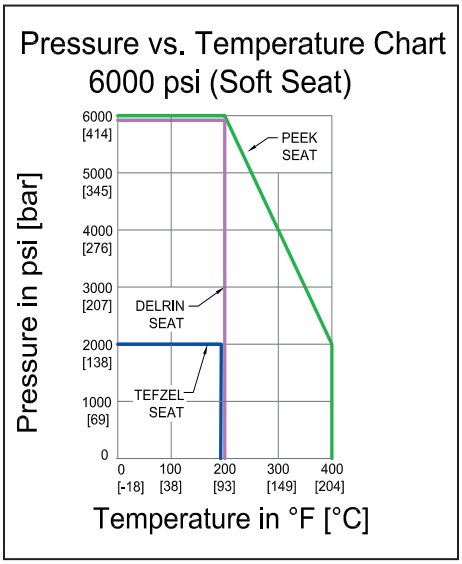
Standard Materials						
Valve	Body	Bonnet	Stem	Insert	Handle	Packing
CS	ASTM A108CS	ASTM A108CS	ASTM A582 303SS	ASTM A108 CS	ASTM A108 CS	Dual Viton™ O-ring with Teflon™ backup ring
SC	ASTM A105CS	ASTM A182 316SS	ASTM A182 316SS	ASTM A182 316SS	ASTM A582 303SS	
SS	ASTM A182 316SS	ASTM A182 316SS	ASTM A182 316SS	ASTM A182 316SS	ASTM A582 303SS	



3/8” Bore Packed Bonnet Assembly

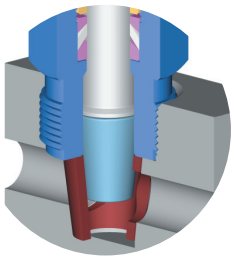
Standard Materials						
Valve	Body	Bonnet	Stem	Adjuster	Handle	Packing
CS	ASTM A108CS	ASTM A108CS	ASTM A582 303SS	ASTM A108 CS	ASTM A108 CS	“V” shape Teflon™
SC	ASTM A105CS	ASTM A182 316SS	ASTM A182 316SS	ASTM A582 303SS	ASTM A582 303SS	
SS	ASTM A182 316SS	ASTM A182 316SS	ASTM A182 316SS	ASTM A582 303SS	ASTM A582 303SS	



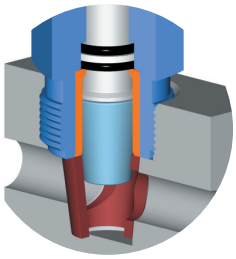


Note: Packing material ratings based on manufacturer’s specifications. Approximations only. Parker does not represent these values as finite. They are provided only as representative values.

Stem and Seat Configurations



3/8” Bore
Non-rotating Packed



3/8” Bore
Non-rotating O-ring

P6MB2S™ AND P6MBA2S™ 2-Valve Manifold
Model Numbering System

Parker	Orifice Size	Type	Inlet	Outlet	Material	Packing	Seat	Option Code
P	6=3/8”	MB2S	FL=Flange	FL=Flange	SS=ASTM A182 316/316L	A=Aflas™	D=Delrin™	DI=Dielectric
		MBA2S			SC=ASTM A105 CS*	V=FKM	P=Peek™	OR=Viton™ O-ring Flange Seal
					CS=ASTM A108 CS*	T=PTFE	Z=Tefzel™	S6=316SS Bolts
EXAMPLE: P6MB2SFLFLSSVD = 3/8” Orifice, Flange Inlet, Flange Outlet, 316SS, Viton™ Packing, Delrin™ Seat								
P	**6**	**MB2S**	**FL**	**FL**	**SS**	**V**	**D**	
*For code applications, A108 CS is unacceptable, A105 CS must be selected for CS valves. 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 & Seat Temperature Rating

Code	Description	Min. Temp.	Max. Temp.
A	Aflas™	15°F (-10°C)	400°F (204°C)
V	Viton™	-20°F (-29°C)	400°F (204°C)
T	Teflon™	-65°F (-54°C)	450°F (232°C)
D	Delrin™	-40°F (-40°C)	200°F (93°C)
P	Peek™	-40°F (-40°C)	400°F (204°C)
Z	Tefzel™	-300°F (-185°C)	300°F (150°C)

For further information please contact:

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Quality

Distributor / Representative: