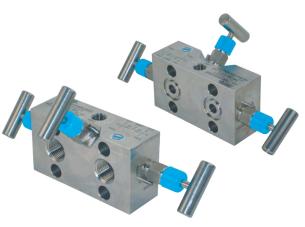


P6MEV3S[™] 2-EQUALIZER, 1-VENT MANIFOLD

EV STYLE MANIFOLD

2-Equalizer and 1-Vent Manifold

The EV Style Manifold is designed for users who install primary block valves for isolation and calibration functions at the orifice taps. The manifold features two equalizer valves and one vent valve. It also features two 1/4" FNPT calibration ports, a 1/4" vent port and a 3/8" bore for optimal measurement accuracy. To maximize the utility of the EV Style Manifold, customer should utilize the valve in conjunction with a 3/8" full port primary block valve.



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 across 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



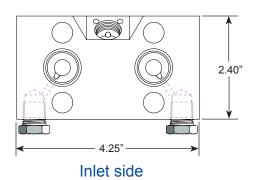
Reliable material traceability. MTR's provided with every order for pressure containing components.

Solutions for Oil & Gas and Petrochemical Processing www.phoenixprecisionvalves.com





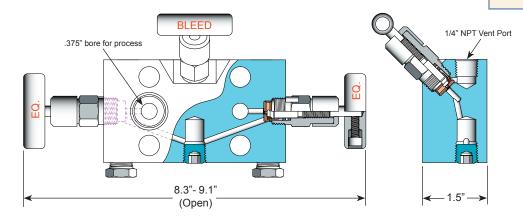
P6MEV3S™ Manifold Technical Specifications

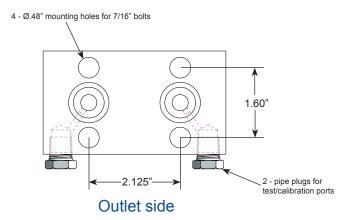


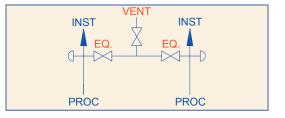
Specifications:

Type: **P6MEV3S**, EV Manifold, Globe Pattern Rating: Up to 6000 psi @ 100°F (41370 kPa @ 38°C) Stem: Flat tip Packing: Aflas™ or Viton™ O-ring, Teflon™ Seat: Delrin™ Handle: Removable Bore Size: 3/8" process, 1/8" bleed and eq. Inlet Connections: FNPT Outlet Connections: 4-bolt flange Bonnet Lock: Pin or Plate Body Stock: 4.25" x 2.40" x 1.5" Weight: 4.2 - 4.5 lbs Special Service: O₂ or CL cleaning available*

*Other specifications or services may be available.





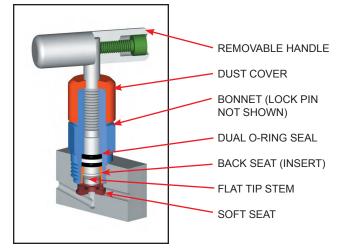




P6MEV3S™ Manifold Bonnet, Stem and Seat Characteristics

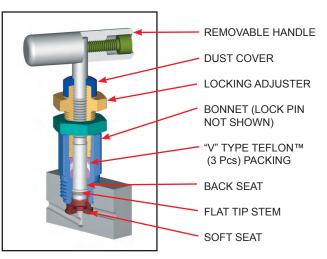
O-Ring Bonnet Assembly

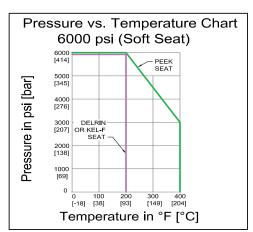
Standard Materials								
Valve	Body	Bonnet	Stem	Seat	Packing			
CS	ASTM A108CS	ASTM A108CS	ASTM A582 303SS	Delrin™ or Peek™	Dual Viton™ O-ring with Teflon™ backup ring			
SC	ASTM A105CS	ASTM A182 316SS	ASTM A182 316SS	Feek				
316SS	ASTM A182 316SS	ASTM A182 316SS	ASTM A182 316SS					



Packed Bonnet Assembly

Standard Materials							
Valve	Body	Bonnet	Stem	Seat	Packing		
CS	ASTM A108CS	ASTM A108CS	ASTM A582 303SS	Delrin™ or	Teflon™ and Grafoil™		
SC	ASTM A105CS	ASTM A182 316SS	ASTM A182 316SS	Peek™			
316SS	ASTM A182 316SS	ASTM A182 316SS	ASTM A182 316SS				



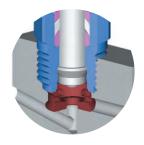


Note: Body material specifications based on ASME B16.34 - 2009. Packing material ratings based on manufacturer's specifications. Approximations only. Phoenix does not represent these values as finite. They are provided only as representative values.

Stem and Seat Configurations



O-ring Seal with Flat Tip



Packed with Flat Tip



P6MEV3S[™] Manifold Model Numbering System

Phoenix	Orifice Size	Туре	Inlet Size	Inlet Type	Outlet Size	Outlet Type	Material	Packing	Seat	Stem Tip	Option Codes	Description
P 6=3/8" MEV3S	MEV3S	EV3S 8=1/2"	F=FNPT		FL=Flange	SS=ASTM A182	A=Aflas™	D=Delrin™	Flat Tip Standard	LB	Bonnet Lock	
										СС	Chlorine Clean	
			ļ				316/316L		ļ	(leave blank)	ос	Oxygen Clean
							SC=ASTM A105 CS*	V=Viton™ (FKM)			TG	SS Tag
							CS=ASTM A108 CS*	T=Teflon™ (PTFE)			SGI	Sour Gas ISO NACE Latest Rev
								(111)	ł		N4	Monel [™] 400 Sten
							C5=ASTM A350 LF2				N5	Monel [™] 500 Sten
							N4=Monel™				N6	Inconel [™] 625 Ste
							400				N8	Inconel [™] 825 Ste
	ĺ						N6=Inconel™ 625				N2	Hastelloy™ C276 Stem
							N8=Inconel™		1		S6	316 SS Bolts
							825				325CS	3.25" CS Bolts
				1			N2=Hastelloy™				325S4	3.25" 304 SS Bolt
							C276				325S6	3.25" 316 SS Bolt
EXAMPLE: P3MEV3S8FFLSSVD = 3/8" Orifice, 3-Valve Manifold with 2 Equalize and 1 Bleed, 1/2" FNPT Inlet, 4-bolt Flange Outlet,							ange Outlet,	B7	AISI 4140/4142 C			
				16 SS Body, Vi	ton™ O-	ring Seal, De	1				B8C1	Class 1, 304SS, 5
Р	6	MEV3S	8	F		FL	SS	V	D		B8MC1	Class 1, 316SS, 5
*For code applications, A105 CS must be selected for CS valves. Code grade bolts must be specified for code applications. Note: Standard Bolting , 2.00" length, CS - carbon steel, Gr.8, zinc plated bolts; SS - stainless steel, 18.8 (304SS) bolts.								B8C2	Class 2, 304SS, ST, SH			
See Option Codes for non-standard bolts.								B8MC2	Class 2, 316SS, ST. SH			

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

Code Bolting Information

- 1. B7, B8C1, B8MC1, B8C2, B8MC2 are code grades to ASTM A193
- To specify code grade bolting, example: 225B7 indicates 2.25" bolt length; B7 grade, alloy steel, AISI 4140/4142
- bolt length; B7 grade, alloy steel, AISI 4140/4142
 3. QT-Quenched & Tempered; ST-Carbide Solution Treated;
- SH-Strain Hardened

Seal and Seat Material Temperature Rating

Code	Description	MIN. TEMP	MAX. TEMP
А	Aflas™	15°F (-10°C)	400°F (204°C)
V	Viton™	-20°F (-29°C)	400°F (204°C)
Т	Teflon™	-65°F (-54°C)	450°F (232°C)
D	Delrin™	-40°F (-40°C)	200°F (93°C)

Distributor / Representative:



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