

Parker Hannifin Corporation's Veriflo Division presents the P Series manual bellows valve. These valves are multi-purpose packless externally pressurized bellows valves that may be used in a wide variety of gas or liquid systems.

The P Series manual bellows valve offers clean, reliable operation at full system pressures in either flow direction.



features

- Bottom or Panel mountable.
- Minimal PCTFE to reduce outgassing and moisture absorption.
- Electropolish surface finishes available at 10 Ra; GP finishes at 20 Ra.

materials of construction

Bonnet Nut
operating conditions Pressure Rating
Temperature:

PCTFE -150°F to 300°F (-101°C to 148.9°C) Vespel® -150°F to 400°F (-101°C to 204.4°C) Stainless Steel . -150°F to 600°F (-101°C to 316°C)

surface finishes20 Ra......for A, W or Z type connections
10 Ra.....Electropolished

internal volume
0.09 in³ (1.55 cm³)

Catalog: 4506 LitPN: 25000180 Revision: A • 10/03



P Series Manual

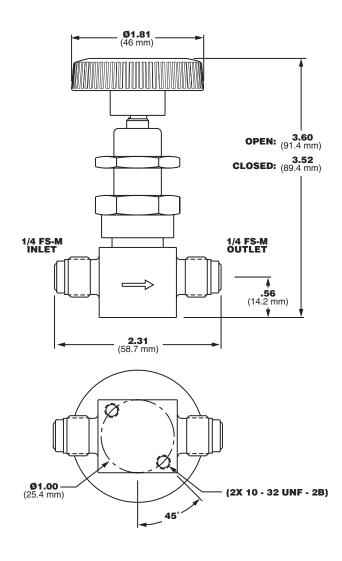
Dimensional Drawings

All Metal Stem Tips (R Stem)

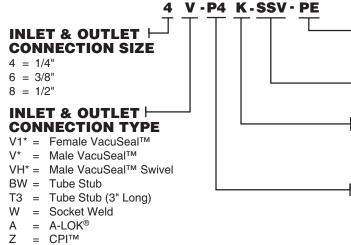
Valve Series	Orifice	Maximum Flow Coefficient, C _V	Pressure Drop To Atmospher (△P)	Air SCFM @ 70°F (21°C)	Water GPM @ @ 70°F (21°C)
P4	.156	C _V = .37	10	5.12	1.17
P4	.156		50	14.15	2.62
P4	.156		100	25.09	3.70
P4A	.156	C _V = .45	10	6.23	1.42
P4A	.156		50	17.21	3.18
P4A	.156		100	20.52	4.50
P6	.281	C _V = .73	10	10.10	2.31
P6	.281		50	27.92	5.16
P6	.281		100	49.50	7.30
P8	.312	C _V = .80	10	11.07	2.53
P8	.312		50	30.60	5.66
P8	.312		100	54.25	8.00

Soft Seat Stem Tips (K & VE)

Valve Series	Orifice	Maximum Flow Coefficient, C _V	Pressure Drop To Atmospher (△P)	Air SCFM @ 70°F (21°C)	Water GPM @ @ 70°F (21°C)			
P4	.156	C _V = .38	10	5.26	1.20			
P4	.156		50	14.54	2.69			
P4	.156		100	25.77	3.80			
P4A	.156	C _V = .47	10	6.50	1.49			
P4A	.156		50	17.98	3.32			
P4A	.156		100	31.87	4.70			
P6	.281	C _V = .87	10	12.04	2.75			
P6	.281		50	33.28	6.15			
P6	.281		100	59.00	8.70			
P8	.312	C _V = .93	10	12.87	2.94			
P8	.312		50	35.57	6.58			
P8	.312		100	63.07	9.30			



Ordering Information



* Only available in P4 and P8 versions.

= 20 Ra (Only Available for A, W or Z Type Connections) PE = 10 Ra Electropolish **MATERIAL** SSV = 316L Stainless Steel VeriClean **STEM TIP MATERIAL** PCTFE Κ Vespel[®] VE = R Stainless Steel** **BASIC SERIES** P4, P6, P8 = Inline Pattern P4A = Angle Pattern PT4 = Toggle Inline Pattern PT4A = Toggle Angle Pattern

SURFACE FINISH

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^{**} P6R & P8R standard with Tee Handle.