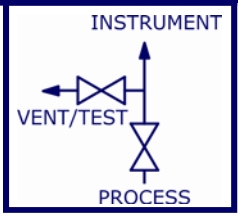
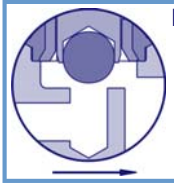
Block & Bleed
Static Pressure Manifolds

HARD SEAT



HARD BALL SEAT: .187" Orifice



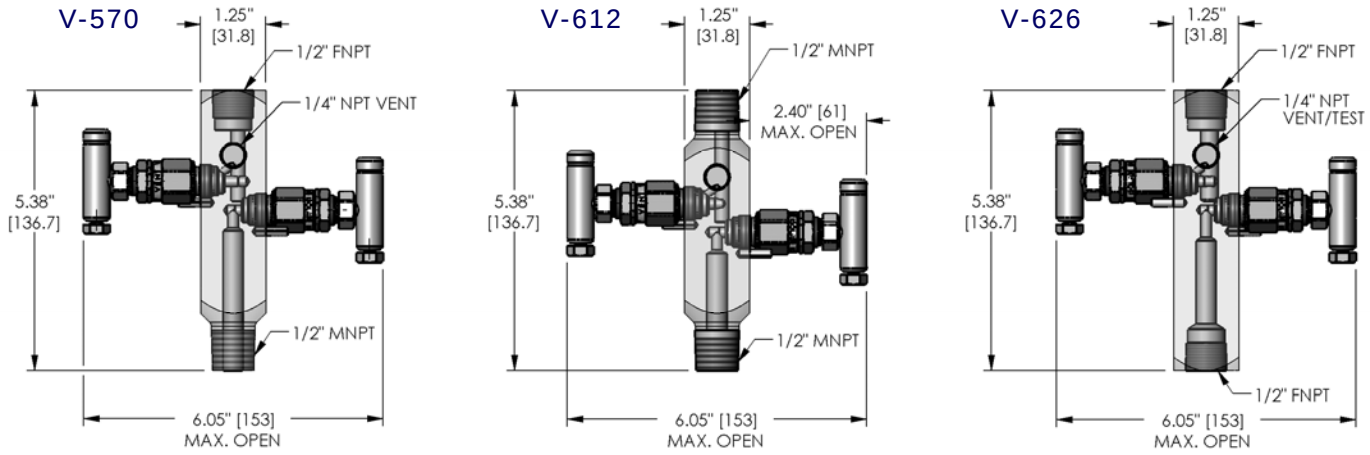
Features

- PGI Standard 316 SS *Ball* Seat

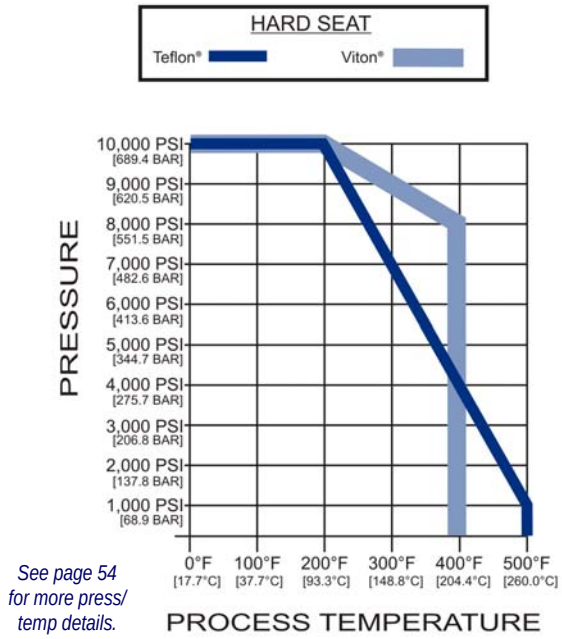
Benefits

- Non-rotating ball eliminates seat galling and ball creasing
- Leak free, bubble tight seating
- Available in a variety of materials

Dimensions, inches [mm]



Pressure vs. Temperature



See page 54 for more press/ temp details.

Part Number Selection

Base Model

		Process x Instrument x Vent
V-	570	1/2" MNPT x 1/2" FNPT x 1/4" NPT
V-	572	3/4" MNPT x 1/2" FNPT x 1/4" NPT
V-	612	1/2" MNPT x 1/2" MNPT x 1/4" NPT
V-	614	1/2" FNPT x 1/2" MNPT x 1/4" NPT
V-	616	3/4" MNPT x 1/2" MNPT x 1/4" NPT
V-	626	1/2" FNPT x 1/2" FNPT x 1/4" NPT

Body Material Code

C	ASTM A108
S	ASTM A479-316 SS
P	ASTM A105 CF

Seat Material Code

6	316 SS Ball *(Standard)*
C	Carbide Ball
N	Monel®

Stem Packing/Seal Code

P	Teflon® (Below threads)
V	Viton® O-Ring

V- [ ][ ][ ][ ][ ] - **Options** *[pages 49-50]*

Materials of Construction

Part	Carbon Steel	A105 Carbon Steel	316 Stainless Steel
Body / Bonnet	ASTM A108	ASTM A105	ASTM A479-316
Packing "P" / "V"	Teflon®/Viton® O-Ring	Teflon®/Viton® O-Ring	Teflon®/Viton® O-Ring
Stem	ASTM A479-316	ASTM A479-316	ASTM A479-316
Packing Adjuster / Retainer	ASTM A105	ASTM A105	ASTM A479-316
Packing Follower	ASTM A479-316	ASTM A479-316	ASTM A479-316
Jam Nut *(TFE Packed Only)*	ASTM A105	ASTM A105	ASTM A582-303
Handle Assembly	ASTM A108	ASTM A108	300 Series SS

Max Cv Ratings

.187" Orifice	Straight Body Style
	.53

Approx. Valve Weight:
2.50 lbs. [1.13 kg] ea.

Notes

- PGI Carbon Steel products are Alkaline Zinc plated for corrosion prevention
- PGI 316 SS products meet the requirements of NACE MR0175/ISO 15156-3
- 100% Pressure Tested

Lone Star ▪ Rev 2
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