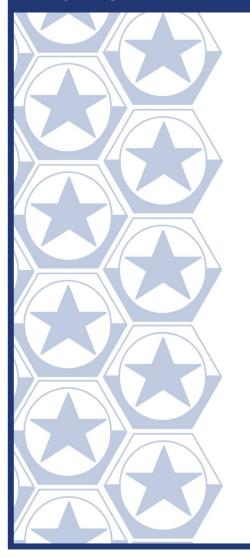
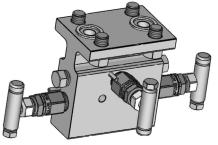


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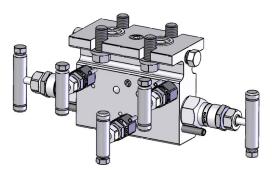








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V:527 Soft Seat Bleeder Screw Gauge Valves 15 V3-520 Hard Seat Instrument Needle Valves 6 V:528 Soft Seat Instrument Needle Valves 6 V3-520 Soft Seat Instrument Needle Valves 5 V:529 Soft Seat Instrument Needle Valves 6 V3-531 Soft Seat Instrument Needle Valves 5 V:530 Hard Seat Instrument Needle Valves 5 V3-532 Hard Seat Instrument Needle Valves 5 V:531 Soft Seat Instrument Needle Valves 5 V3-540 Hard Seat Instrument Needle Valves 5 V:540 Hard Seat Multi-Port Gauge Valves 12 V3-541 Soft Seat Instrument Needle Valves V:552 Soft/Metal Seats Miniature "Mini" Valves 4 V3-543 Soft Seat Instrument Needle Valves V:558 Soft/Metal Seats Miniature "Mini" Valves 4 V3-544 Hard Seat Multi-Port Gauge Valves V:570 Hard Seat Block & Bleed Static Pressure Valves 20 V3-574 Soft Seat Multi-Port Gauge Valves V:572 Hard Seat Multi-Port Gauge Valves 11 V-574 Soft Seat Multi-Port Gauge Valves V3-577 Soft Seat Multi-Port Gauge Valves V:579 Bleed 'T'	_					
V:528 Hard Seat Instrument Needle Valves 6 V3-529 Soft Seat Instrument Needle Valves V:529 Soft Seat Instrument Needle Valves 5 V3-521 Soft Seat Instrument Needle Valves 5 V:530 Hard Seat Instrument Needle Valves 6 V3-532 Hard Seat Instrument Needle Valves 5 V:531 Soft Seat Instrument Needle Valves 5 V3-540 Hard Seat Instrument Needle Valves V:540 Hard Seat Instrument Needle Valves 6 V3-540 Hard Seat Instrument Needle Valves V:552 Soft/Metal Seats Miniature "Mini" Valves 4 V3-541 Soft Seat Instrument Needle Valves V:555 Soft/Metal Seats Miniature "Mini" Valves 4 V3-543 Soft Seat Instrument Needle Valves V:556 Soft/Metal Seats Miniature "Mini" Valves 4 V3-545 Soft Seat Instrument Needle Valves V:570 Hard Seat Block & Bleed Static Pressure Valves 20 V3-571 Soft Seat Multi-Port Gauge Valves V:571 Hard Seat Block & Bleed Static Pressure Valves 10 V3-571 Soft Seat Multi-Port Gauge Valves V:572 Hard Seat Block & Bleed Static Pressure Valves 20 V-6						
 Soft Seat Instrument Needle Valves V-529 Soft Seat Instrument Needle Valves V-530 Hard Seat Instrument Needle Valves V-531 Soft Seat Instrument Needle Valves V-532 Hard Seat Multi-Port Gauge Valves V-532 Hard Seat Multi-Port Gauge Valves V-532 Soft Metal Seats Miniature "Mini" Valves V-554 Soft/Metal Seats Miniature "Mini" Valves V-555 Soft/Metal Seats Miniature "Mini" Valves V-556 Soft/Metal Seats Miniature "Mini" Valves V-558 Soft/Metal Seats Miniature "Mini" Valves V-558 Soft/Metal Seats Miniature "Mini" Valves V-570 Hard Seat Block & Bleed Static Pressure Valves V-572 Hard Seat Block & Bleed Static Pressure Valves V-578 Bleed "T" Valves Milti-Port Gauge Valves V-579 Bleed "T" Valves N-578 Soft Seat Block & Bleed Static Pressure Valves V-512 Hard Seat Block & Bleed Static Pressure Valves V-512 Hard Seat Block & Bleed Static Pressure Valves V-514 Hard Seat Block & Bleed Static Pressure Valves V-516 Hard Seat Block & Bleed Static Pressure Valves V-516 Hard Seat Block & Bleed Static Pressure Valves Zoft Kotes: Motematical Micked Company. 			Soft Seat Bleeder Screw Gauge Valves			
V-300 Hard Seat Instrument Needle Valves 6 V-311 Soft Seat Instrument Needle Valves 5 V-322 Hard Seat Multi-Port Gauge Valves 12 V-540 Hard Seat Instrument Needle Valves 6 V-552 Soft/Metal Seats Miniature "Mini" Valves 4 V-556 Soft/Metal Seats Miniature "Mini" Valves 4 V-556 Soft/Metal Seats Miniature "Mini" Valves 4 V-570 Hard Seat Block & Bleed Static 7 Pressure Valves 20 V-573 Soft Seat Instrument Needle Valves V-570 Hard Seat Block & Bleed Static 7 Soft Seat Multi-Port Gauge Valves 11 V-572 Hard Seat Block & Bleed Static 7 Soft Seat Multi-Port Gauge Valves 11 V-573 Soft Seat Multi-Port Gauge Valves 11 14 Soft Seat Block & Bleed Static 7 Pressure Valves 20 V-573 Soft Seat Block & Bleed Static 7 Soft Seat Multi-Port Gauge Valves 13 V-597 Bleed 'T' Valves 18 14 24 24 24 24 V-514 Hard Seat Block & Bleed Static 7			Hard Seat Instrument Needle Valves			
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V-532 Hard Seat Multi-Port Gauge Valves 12 V-540 Hard Seat Instrument Needle Valves 6 V-552 Soft/Metal Seats Miniature "Mini" Valves 4 V-554 Soft/Metal Seats Miniature "Mini" Valves 4 V-555 Soft/Metal Seats Miniature "Mini" Valves 4 V-556 Soft/Metal Seats Miniature "Mini" Valves 4 V-557 Soft/Metal Seats Miniature "Mini" Valves 4 V-570 Hard Seat Block & Bleed Static 7 Pressure Valves 20 V-572 Hard Seat Block & Bleed Static Pressure Valves 20 V-574 Soft Seat Multi-Port Gauge Valves 11 V-577 Hard Seat Block & Bleed Static 7 Soft Seat Multi-Port Gauge Valves 12 V-573 Soft Seat Multi-Port Gauge Valves 11 V-574 Soft Seat Block & Bleed Static 7 Pressure Valves 20 V-614 Hard Seat Block & Bleed Static 7 Soft Seat Multi-Port Gauge Valves V-574 V-616 Hard Seat Block & Bleed Static 7 Pressure Valves 20 V-616 Hard Seat Block & Bleed Static 7 Pressure Valves			Hard Seat Instrument Needle Valves			
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V-552 Soft/Metal Seats Miniature "Mini" Valves 4 V3-543 Soft Seat Instrument Needle Valves V-554 Soft/Metal Seats Miniature "Mini" Valves 4 V3-544 Soft Seat Instrument Needle Valves V-556 Soft/Metal Seats Miniature "Mini" Valves 4 V3-543 Soft Seat Instrument Needle Valves V-558 Soft/Metal Seats Miniature "Mini" Valves 4 V3-544 Soft Seat Instrument Needle Valves V-570 Hard Seat Block & Bleed Static V3-547 Soft Seat Multi-Port Gauge Valves Pressure Valves 20 V3-573 Soft Seat Multi-Port Gauge Valves V3-577 Soft Seat Multi-Port Gauge Valves V-572 Hard Seat Block & Bleed Static Pressure Valves 20 V3-577 Soft Seat Multi-Port Gauge Valves V-573 Soft Seat Multi-Port Gauge Valves 11 V-579 Bleed "T" Valves 18 V-519 Bleed "T" Valves 18 V-519 Bleed Static Pressure Valves 20 V-614 Hard Seat Block & Bleed Static Pressure Valves 20 V-616 Hard Seat Block & Bleed Static Pressure Valves 20 V-616 Hard Seat Block & Bleed Static Pressure Valves 20 V-616						
V-554 Soft/Metal Seats Miniature "Mini" Valves 4 V3-544 Hard Seat Instrument Needle Valves V-556 Soft/Metal Seats Miniature "Mini" Valves 4 V3-545 Soft Seat Instrument Needle Valves V-558 Soft/Metal Seats Miniature "Mini" Valves 4 V3-545 Soft Seat Instrument Needle Valves V-558 Soft/Metal Seats Miniature "Mini" Valves 4 V3-547 Soft Seat Instrument Needle Valves V-570 Hard Seat Block & Bleed Static Pressure Valves 20 V-572 Hard Seat Block & Bleed Static Pressure Valves 20 V-573 Soft Seat Multi-Port Gauge Valves 11 V-574 Soft Seat Multi-Port Gauge Valves 11 V-575 Bleed "T" Valves 18 V-597 Bleed "T" Valves 18 V-512 Hard Seat Block & Bleed Static Pressure Valves V-598 Bleed "T" Valves 18 V-612 Hard Seat Block & Bleed Static Pressure Valves Pressure Valves 20 V-616 Hard Seat Block & Bleed Static Pressure Valves Pressure Valves 20 20 V-616 Hard Seat Block & Bleed Static Pressure						
V-556 Soft/Metal Seats Miniature "Mini" Valves 4 V3-545 Soft Seat Instrument Needle Valves V-558 Soft/Metal Seats Miniature "Mini" Valves 4 V3-547 Soft Seat Instrument Needle Valves V-570 Hard Seat Block & Bleed Static Pressure Valves 20 V-572 Hard Seat Block & Bleed Static V3-574 Soft Seat Multi-Port Gauge Valves V-572 Hard Seat Block & Bleed Static V3-577 Soft Seat Multi-Port Gauge Valves V-573 Soft Seat Multi-Port Gauge Valves 11 V-577 Bleed "T" Valves 18 V-597 Bleed "T" Valves 18 V-512 Hard Seat Block & Bleed Static Pressure Valves 20 V-512 Hard Seat Block & Bleed Static Pressure Valves 18 V-512 Hard Seat Block & Bleed Static Pressure Valves 20 V-614 Hard Seat Block & Bleed Static Pressure Valves 20 V-616 Hard Seat Block & Bleed Static Pressure Valves 20 V-616 Hard Seat Block & Bleed Static Pressure Valves 20 V-616 Hard Seat Block & Bleed Static Pressure Valves 20						
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Pressure Valves 20 V3-574 Soft Seat Multi-Port Gauge Valves V-572 Hard Seat Block & Bleed Static Pressure Valves 20 V-573 Soft Seat Multi-Port Gauge Valves 11 V-574 Soft Seat Multi-Port Gauge Valves 11 V-577 Soft Seat Multi-Port Gauge Valves 11 V-574 Soft Seat Multi-Port Gauge Valves 11 V-575 Bleed "T" Valves 18 V-597 Bleed "T" Valves 18 V-512 Hard Seat Block & Bleed Static Pressure Valves Pressure Valves 20 V-614 V-614 Hard Seat Block & Bleed Static Pressure Valves Pressure Valves 20 V-616 Hard Seat Block & Bleed Static Pressure Valves 20 V-616 Hard Seat Block & Bleed Static Pressure Valves 20 V-616 Hard Seat Block & Bleed Static Pressure Valves 20 V-616 Hard Seat Block & Bleed Static Pressure Valves 20 V-616 Hard Seat Block & Bleed Static Pressure Valves 20				4		
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V-574 Soft Seat Multi-Port Gauge Valves 11 V-597 Bleed "T" Valves 18 V-598 Bleed "T" Valves 18 V-612 Hard Seat Block & Bleed Static Pressure Valves Pressure Valves 20 V-614 Hard Seat Block & Bleed Static Pressure Valves 20 V-616 Hard Seat Block & Bleed Static Pressure Valves 20 V-616 Hard Seat Block & Bleed Static Pressure Valves 20 V-616 Hard Seat Block & Bleed Static Pressure Valves 20 V-616 Hard Seat Block & Bleed Static Pressure Valves 20 Notes: Monel®is a registered trademark of International Nickel Company.		14 570				
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V-612 Hard Seat Block & Bleed Static Pressure Valves 20 V-614 Hard Seat Block & Bleed Static Pressure Valves 20 V-616 Hard Seat Block & Bleed Static Pressure Valves 20 V-616 Hard Seat Block & Bleed Static Pressure Valves 20 V-616 Hard Seat Block & Bleed Static Pressure Valves 20 Notes: Monel®is a registered trademark of International Nickel Company.						
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V-614 Hard Seat Block & Bleed Static Pressure Valves 20 V-616 Hard Seat Block & Bleed Static Pressure Valves 20 Notes: Monel®is a registered trademark of International Nickel Company.		V-012		20		
Pressure Valves 20 V-616 Hard Seat Block & Bleed Static Pressure Valves 20 Notes: Monel®is a registered trademark of International Nickel Company.		V 614		20		
V-616 Hard Seat Block & Bleed Static Pressure Valves 20 Notes: Monel®is a registered trademark of International Nickel Company.		V-014		20		
Pressure Valves 20 Notes: Monel [®] is a registered trademark of International Nickel Company.		V 616		20		
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Monel [®] is a registered trademark of International Nickel Company.			Notes			
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Lone Star Warranty, Sales Policies and Manufacturing Standards

PGI Division—Parker Hannifin Corporation

Parker Hannifin's PGI Division, founded as General Screw Products Company in 1941, began as a contract manufacturer for the oil and gas industry. The PGI Division has since evolved into a leading designer, manufacturer and distributor of innovative and diverse products for the energy and process industries. Based in Houston, Texas, the PGI Division currently has over 180,000 square feet of manufacturing capability and over 400 employees worldwide. As the markets we service expand, PGI's quality products are demanded and specified worldwide. For companies that demand the best, Parker PGI delivers "Excellence Through Innovation."

Product Warranty

Parker warrants its products to be free from defects in material and/or workmanship for a period of one (1) year from date of shipment. This guarantee is valid only if such products have been used in normal applications consistent with our recommendations. Our liability is limited to repair or replacement and no responsibility is assumed for consequential damage or expense. Any controversy arising out of the sale of Parker products shall be determined in accordance with the laws of the State of Texas, United States of America (USA).

Parker reserves the right to change materials, specifications or designs without notice. Parker will not be obligated to install or furnish such changes on products previously sold.

Sales Policy

Our products are sold through authorized manufacturer representatives or direct from our factory sales office. All orders are subject to acceptance by the PGI Division, headquarters located in Houston, Texas (USA). Prices are subject to change without notice and any errors in published prices are subject to correction. No materials may be returned for credit without written authorization from our Houston office. In issuing credit for returned material, we reserve the right to deduct a reconditioning and handling charge. Special items, not conforming to our standard line, will not be accepted for credit.

Special Orders

Parker's PGI Division has been a custom manufacturer of valve components since 1941. PGI invites inquiries for special variations and will work with you to solve your specific application problems.

Oxygen & Chlorine Service

To insure the quality, safety and cleanliness levels of our products, PGI has a verifiable, environmentally controlled system of precision cleaning for Oxygen and Chlorine Service.

- Parts are cleaned with an approved liquid cleaner in an ultrasonic vibrator.
- Inspection of parts is done with an Ultraviolet light to detect contaminants such as hydrocarbons and minute particles that are not visible to the naked eye.
- Each part is tagged and heat-sealed in a double bag to prevent contamination in transit.
- Upon completion of cleaning process, Carbon Steel Valves discolor to a silver-greenish sheen. This does not affect manifold performance in any way.

Manufacturing Standards & Compliances

Lone Star Products are Manufactured, Conform and are Certified to the Following Agencies and Associations:

- ISO 9001:2008 Certified Quality System
- Canadian Registration Number (CRN)
- CE Pressure Equipment Directive Conformity
- National Association of Corrosion Engineers (NACE MR0175/ISO 15156-3)
- ASME/ANSI B1.20.1 General Pipe Threads
- ASME/ANSI B16.34 Valves Flanged, Threaded

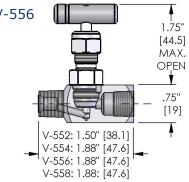
- ASME/ANSI B16.11 Fittings/Socket Weld, etc.
- ASME/ANSI B31.3 Process Piping
- MSS SP-25 Standard Valve Markings
- MSS SP-82 Valve Pressure Testing Methods
- MSS SP-99 Instrument Valves
- MSS SP-105 Instrument Valves for Code Applications

Visit Parker.com/Safety



SOFT & METAL SEAT .136" ORIFICE

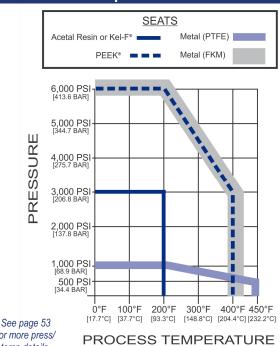
SOFT "WASHER" SEATS: .136" Orifice INTEGRAL METAL TO METAL SEAT: .136" Orifice Features **Benefits** Features **Benefits** PGI Integral • Throttling and shut-off design PGI "Washer" Throttling and shut-off design • Seat Interchangeable between soft Metal Seat Interchangeable between soft • • or metal seats or metal seats Easily replaced Available in a variety of • materials Dimensions, inches [mm] V-556



No	te	Re	garding I	landle T	ypes:

CS or SS Round Handles as Standard Soft Seated Valves Hard Seat Valves CS or SS Bar Handles as Standard

Pressure vs. Temperature



U IN	lull	ibei	Sei	ecuo						
ase	se Model									
	Inlet x Outlet									
V-	V- 552 1/4" MNPT x 1/4" FNPT Angle									
V-	55	554 1/4" MNPT x 1/4" MNPT								
٧-	55	6 1/4	" MN	PT x 1/	/4" FN	PT				
٧-	55	8 1/4	" FN	PT x 1/	4" FN	PT				
	Body Material Code									
	C ASTM A108									
		S	AST	M A479	9-316	SS				
			Sea	t Matei	rial Co	ode				
			Μ	Meta	l (Sta	ndard)				
			D	Aceta	al Res	in				
			K	Kel-F	®					
			Ρ	Peek	®					
			T	Stem	Pack	ing/Seal Code				
				Т	Mini F	TFE Packed				
	V FKM O-Ring									
V-					-	Options (pages 49-50)				
V-					-	Options [pages 49-5				

Part Number Selection

for more press/ temp details.

Materials of Construction								
Carbon Steel	316 Stainless Steel							
ASTM A108	ASTM A479-316							
PTFE/FKM O-Ring	PTFE/FKM O-Ring							
ASTM A479-316	ASTM A479-316							
ASTM A108	ASTM A582-303							
	Carbon Steel ASTM A108 PTFE/FKM O-Ring ASTM A479-316							

Handles: Soft Seated Valves CS or SS Round Handles are Standard Handles: Hard Seat Valves CS or SS Bar Handles are Standard

Max Cv Ratings								
4000 0 10 1	Body Style							
.136" Orifice	Straight	Angle						
Soft Seat	.22	.27						
Metal Seat	.25	.32						
Approx, Valve Weight:								

.25 lbs. [.11 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
- Carbon Steel Weld End Connection Bodies are ASTM A696 Gr.C



SOFT SEAT: .187" Orifice

Benefits

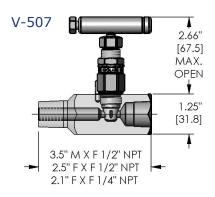
- Roddable straight-through design •
- Leak free, bubble tight seating
- Easily replaced •
- Available in a variety of materials •
- **Bi-directional flow**

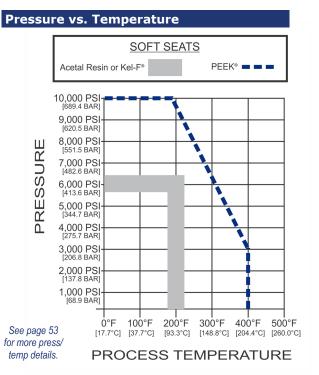
Dimensions, inches [mm]

Features

PGI Soft

Cone Seat





Materials of Construction								
Part	Carbon Steel	A696 Carbon Steel*	316 Stainless Steel					
Body / Bonnet	ASTM A108	ASTM A696 Gr.C	ASTM A479-316					
Packing "P" / "V"	PTFE/FKM O-Ring	PTFE/FKM O-Ring	PTFE/FKM O-Ring					
Stem	ASTM A479-316	ASTM A479-316	ASTM A479-316					
Packing Adjuster	ASTM A696 Gr.C	ASTM A696 Gr.C	ASTM A479-316					
Packing Follower	ASTM A479-316	ASTM A479-316	ASTM A479-316					
Jam Nut (TFE Packed Only)	ASTM A696 Gr.C	ASTM A696 Gr.C	ASTM A582-303					
Handle Assembly	ASTM A108	ASTM A108	300 Series SS					

Par	t Ni	umb	er Selection				
Ba	ase I	Nodel					
			Bi-Directional Flow				
	V-	501	1/4" MNPT x 1/4" FNPT				
	V-	503	1/4" FNPT x 1/4" FNPT				
	V-	507	1/2" MNPT x 1/2" FNPT				
	V-	509	1/2" FNPT x 1/2" FNPT				
	V-	529	3/4" MNPT x 1/2" FNPT				
	V-	531	31 1/2" MNPT x 1/4" FNPT				
		E	Body Material Code				
			C ASTM A108				
			S ASTM A479-316 SS				
			P ASTM A696*				
			Seat Material Code				
			D Acetal Resin (Standard)				
			K Kel-F®				
			P Peek®				
			Stem Packing/Seal Code				
			P PTFE (Below threads)				
			V FKM O-Ring				
ſ	V-		- Options [pages 49-50]				
lax	Cv	Rati	ngs Notes				
87" Or	ifice	Straig	ht Body Style • PGI Carbon Steel produc are Alkaline Zinc plated for				
			.83 corrosion prevention				

- ts or corrosion prevention PGI 316 SS products meet
- the requirements of NACE MR0175/ISO 15156-3
- 100% Pressure Tested Carbon Steel Weld End
- **Connection Bodies are** ASTM A696 Gr.C

Approx. Valve Weight:

* Barstock equivalent of ASTM A105

1.30 lbs. [.58 kg] ea.



HARD BALL SEAT: .187" Orifice

•

Features

Seat

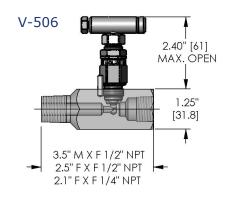
PGI Standard

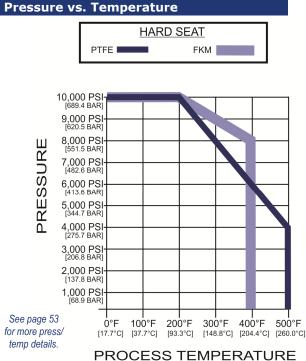
316 SS Ball

Benefits

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

Dimensions, inches [mm]





Par	Part Number Selection										
В	ase	e Mo	ode								
		Inlet x Outlet									
	٧·	- 5	00	ŀ	1/4" MNPT x 1/4" FNPT						
	٧·	- 5	02	1	1/4	" F	NP	T x 1	/4	" FNP	Т
	٧·	- 5	06	ŀ	1/2	" N	NF	Тх	1/2	2" FNF	Υ
	٧·	- 5	08	·	1/2	" F	NP	T x 1	/2	" FNP	Т
	٧·	- 5	28	;	3/4	" N	NF	Ϋ́T X ΄	1/2	2" FNF	۲
	٧·	- 5	30	·	1/2" MNPT x 1/4" FNPT						Ϋ́
	٧·	- 5	40		3/4	" F	NP	ТхЗ	8/4	" FNP	Т
				Во	dy	Ма	ate	rial (Co	de	
				(2	AS	ΤN	1 A 10)8		
				3	S	AS	ΤN	1 A47	79.	-316 S	S
				F	2	AS	ΤN	1 A69	96	*	
						Se	at	Mate	əri	al Coo	de
							6	316	S	S Ball	(Standard)
							C	Carl	oic	le Ball	
					N Monel®						
					Stem Packing/Seal Code						
					P PTFE (Below threads)						
								۷	F	KM O	-Ring
								Т			-
	V-									-	Options [pages 49-50]

Materials of Construction								
Part	Carbon Steel	A696 Carbon Steel*	316 Stainless Steel					
Body / Bonnet	ASTM A108	ASTM A696 Gr.C	ASTM A479-316					
Packing "P" / "V"	PTFE/FKM O-Ring	PTFE/FKM O-Ring	PTFE/FKM O-Ring					
Stem	ASTM A479-316	ASTM A479-316	ASTM A479-316					
Packing Adjuster	ASTM A696 Gr.C	ASTM A696 Gr.C	ASTM A479-316					
Packing Follower	ASTM A479-316	ASTM A479-316	ASTM A479-316					
Jam Nut (TFE Packed Only)	ASTM A696 Gr.C	ASTM A696 Gr.C	ASTM A582-303					
Handle Assembly	ASTM A108	ASTM A108	300 Series SS					

6

Max CV Ratings							
.187" Orifice	Straight Body Style						
.107 Office	.53						
Approx. Valve Weight: 1.30 lbs. [.58 kg] ea.							

* Barstock equivalent of ASTM A105

Notes

- PGI Carbon Steel products ٠ are Alkaline Zinc plated for corrosion prevention
- PGI 316 SS products meet • the requirements of NACE MR0175/ISO 15156-3
- 100% Pressure Tested •
- Carbon Steel Weld End Connection Bodies are ASTM A696 Gr.C



SOFT SEAT: .187" Orifice

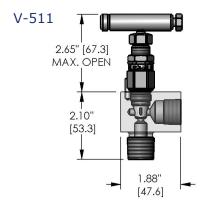
Features Benefits

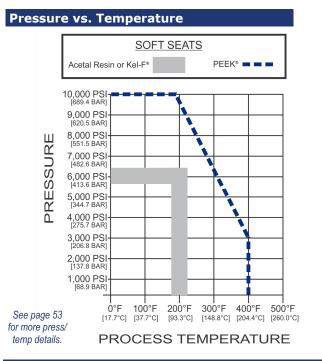
PGI Soft

Cone Seat

- Roddable design
- Leak free, bubble tight seating
- Easily replaced
- Available in a variety of materials
- Bi-directional flow

Dimensions, inches [mm]





Materials of Construction								
Part	Carbon Steel	A696 Carbon Steel*	316 Stainless Steel					
Body / Bonnet	ASTM A108	ASTM A696 Gr.C	ASTM A479-316					
Packing "P" / "V"	PTFE/FKM O-Ring	PTFE/FKM O-Ring	PTFE/FKM O-Ring					
Stem	ASTM A479-316	ASTM A479-316	ASTM A479-316					
Packing Adjuster	ASTM A696 Gr.C	ASTM A696 Gr.C	ASTM A479-316					
Packing Follower	ASTM A479-316	ASTM A479-316	ASTM A479-316					
Jam Nut (TFE Packed Only)	ASTM A696 Gr.C	ASTM A696 Gr.C	ASTM A582-303					
Handle Assembly	ASTM A108	ASTM A108	300 Series SS					

Max Cv Ratings						
.187" Orifice	Straight Body Style					
.107 Office	.79					
Approx. Valve Weight: 1.00 lbs. [.45 kg] ea.						

V-511

Part Number Selection

Bi-Directional Flow

C ASTM A108

1/2" MNPT x 1/2" FNPT Body Material Code

S ASTM A479-316 SS **P** ASTM A696*

> K Kel-F[®] P Peek[®]

Seat Material Code

D Acetal Resin (Standard)

V FKM O-Ring

-

Stem Packing/Seal Code

P PTFE (Below threads)

Base Model

V-511

* Barstock equivalent of ASTM A105

Notes

 PGI Carbon Steel products are Alkaline Zinc plated for corrosion prevention

Options [pages 49-50]

- PGI 316 SS products meet the requirements of NACE MR0175/ISO 15156-3
 100% Pressure Tested
- Carbon Steel Weld End Connection Bodies are ASTM A696 Gr.C

Lone Star by Parker PGI •	16101 Vallen Drive · Houston,	Texas 77041 USA • 713	3-466-0056 • 1-800-231-0233 •	www.parker.com/pgi



HARD BALL SEAT: .187" Orifice

Features

PGI Standard

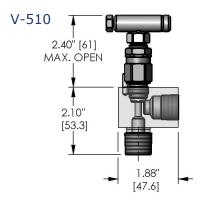
316 SS Ball Seat

402

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 HARD SEAT PTFE FKM 10,000 PSI-[689.4 BAR] 9,000 PSI [620.5 BAR] 8,000 PSI [551.5 BAR] Ш PRESSURI 7,000 PSI [482.6 BAR] 6,000 PSI [413.6 BAR] 5,000 PSI [344.7 BAR] 4,000 PSI [275.7 BAR] 3,000 PSI [206.8 BAR] 2,000 PSI-[137.8 BAR] 1,000 PSI-[68.9 BAR] See page 53 . 0°F 100°F 200°F 300°F 400°F 500°F for more press/ [148.8°C] [204.4°C] [260.0°C] [17.7°C] [37.7°C] [93.3°C] temp details.

PROCESS TEMPERATURE

Materials of Construction						
Part	Carbon Steel	A696 Carbon Steel*	316 Stainless Steel			
Body / Bonnet	ASTM A108	ASTM A696 Gr.C	ASTM A479-316			
Packing "P" / "V"	PTFE/FKM O-Ring	PTFE/FKM O-Ring	PTFE/FKM O-Ring			
Stem	ASTM A479-316	ASTM A479-316	ASTM A479-316			
Packing Adjuster	ASTM A696 Gr.C	ASTM A696 Gr.C	ASTM A479-316			
Packing Follower	ASTM A479-316	ASTM A479-316	ASTM A479-316			
Jam Nut (TFE Packed Only)	ASTM A696 Gr.C	ASTM A696 Gr.C	ASTM A582-303			
Handle Assembly	ASTM A108	ASTM A108	300 Series SS			

8

Par	t N	umt	per	· S	el	e	cti	or)	
В	ase	Mode								
			l	nle	t x	Οu	tle	t		
	٧-	510	1	1/2"	М	NP	'T s	(1/)	2" FNF	۲
	٧-	514	1	/4"	F١	١P	Тx	1/4	I" FNP	Т
			Во	dy	Ма	te	rial	Co	ode	
			C	; /	٩S	TΜ	A	108		
			S	5 /	٩S	TΜ	A I	479	-316 S	S
			F	2	٩S	TΜ	I AI	696	*	
					Se	at	Ма	teri	ial Co	de
					(ô	31	6 S	S Ball	(Standard)
					(2	Са	arbio	de Ball	
					1	١	Mo	one	®	
							Ste	em	Packiı	ng/Seal Code
							F	P	PTFE ((Below threads)
							١	/ F	FKM O	-Ring
	V-									Options [pages 49-50]

Max Cv Ratings .187" Orifice Straight Body Style .53

Approx. Valve Weight: 2.00 lbs. [.91 kg] ea.

* Barstock equivalent of ASTM A105

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
- Carbon Steel Weld End Connection Bodies are ASTM A696 Gr.C



SOFT SEAT: .375" Orifice

Benefits

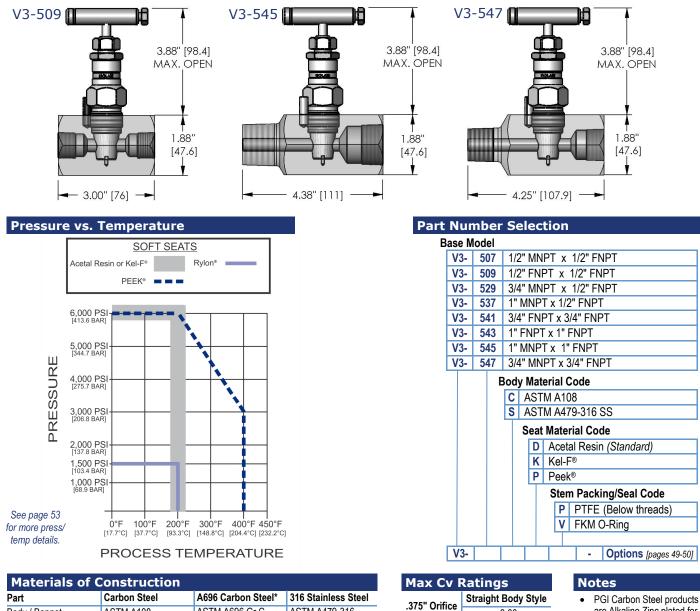
- Roddable straight-through design •
- Leak free, bubble tight seating
- Easily replaced •
- Available in a variety of materials .
- **Bi-directional flow**

Dimensions, inches [mm]

Features

PGI Soft

Cone Seat

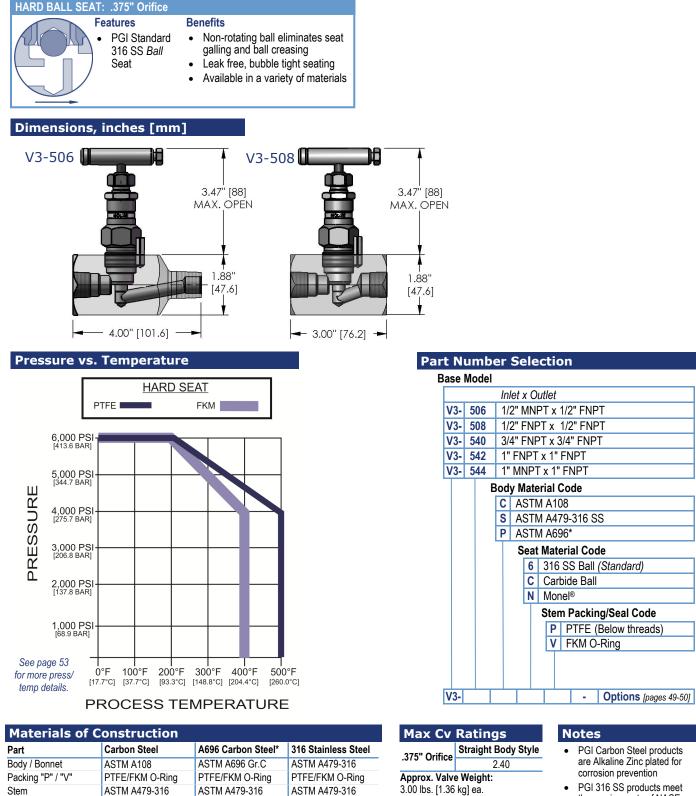


Part	Carbon Steel	A696 Carbon Steel*	316 Stainless Steel	.375" Orifice	Straight Body Style
Body / Bonnet	ASTM A108	ASTM A696 Gr.C	ASTM A479-316	.375 Office	3.00
Packing "P" / "V"	PTFE/FKM O-Ring	PTFE/FKM O-Ring	PTFE/FKM O-Ring	Approx. Valve	Weight:
Stem	ASTM A479-316	ASTM A479-316	ASTM A479-316	3.00 lbs. [1.36	kg] ea.
Packing Adjuster	ASTM A696 Gr.C	ASTM A696 Gr.C	ASTM A479-316		
Packing Follower	ASTM A479-316	ASTM A479-316	ASTM A479-316	* Barstock equi	valent of ASTM A105
Jam Nut (TFE Packed Only)	ASTM A696 Gr.C	ASTM A696 Gr.C	ASTM A582-303		
Handle Assembly	ASTM A108	ASTM A108	300 Series SS		

t Body Style	•	PGI Carbon Steel products	
3.00	are Alkaline Zinc plate		
		corrosion prevention	
	•	PGI 316 SS products meet	

- products meet the requirements of NACE MR0175/ISO 15156-3 100% Pressure Tested
- Carbon Steel Weld End
- Connection Bodies are ASTM A696 Gr.C





- PGI 316 SS products meet the requirements of NACE MR0175/ISO 15156-3
- 100% Pressure Tested
- Carbon Steel Weld End Connection Bodies are
- ASTM A696 Gr.C

ASTM A479-316

ASTM A479-316

ASTM A582-303

300 Series SS

ASTM A696 Gr.C

ASTM A479-316

ASTM A696 Gr.C

ASTM A108

Packing Adjuster

Packing Follower

Handle Assembly

Jam Nut (TFE Packed Only)

ASTM A696 Gr.C

ASTM A479-316

ASTM A696 Gr.C

ASTM A108

* Barstock equivalent of ASTM A105



SOFT SEAT: .187" Orifice

Benefits

- Roddable straight-through design •
- Leak free, bubble tight seating ٠
- Easily replaced •
- Available in a variety of materials
- **Bi-directional flow**

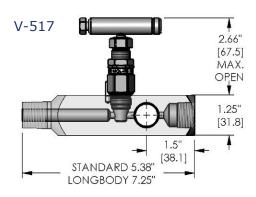
Dimensions, inches [mm]

Features

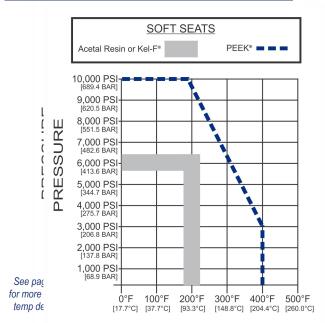
•

PGI Soft

Cone Seat



Pressure vs. Temperature



PROCESS TEMPERATURE

Mate			
Part	Carbon Steel	A696 Carbon Steel*	316 Stainless Steel
Body / Bonnet	ASTM A108	ASTM A696 Gr.C	ASTM A479-316
Packing "P" / "V"	PTFE/FKM O-Ring	PTFE/FKM O-Ring	PTFE/FKM O-Ring
Stem	ASTM A479-316	ASTM A479-316	ASTM A479-316
Packing Adjuster	ASTM A696 Gr.C	ASTM A696 Gr.C	ASTM A479-316
Packing Follower	ASTM A479-316	ASTM A479-316	ASTM A479-316
Jam Nut (TFE Packed Only)	ASTM A696 Gr.C	ASTM A696 Gr.C	ASTM A582-303
Handle Assembly	ASTM A108	ASTM A108	300 Series SS

Part Number Selection								
В	ase	Model						
			Inlet x Outlets					
	٧-	517	1/2" MNPT x (3) 1/2" FNPT (Standard)					
	V-	519	519 3/4" MNPT x (3) 1/2" FNPT (Standard)					
	V-	573	1/2" MNPT x (3) 1/2" FNPT (Long)					
	V-	574	3/4" MNPT x (3) 1/2" FNPT (Long)					
		E	Body Material Code					
			C ASTM A108					
			S ASTM A479-316 SS					
			P ASTM A696*					
			Seat Material Code					
			D Acetal Resin (Standard)					
			K Kel-F®					
			P Peek [®]					
			Stem Packing/Seal Code					
			P PTFE (Below threads)					
			V FKM O-Ring					
	V-		- Options [pages 49-50]					
Max Cv Ratings Notes								
.187" Or	ifice	Straig	and Allvaling Zing alated for					

.83

Approx. Valve Weight:

2.30 lbs. [1.04 kg] ea. (Standard)

* Barstock equivalent of ASTM A105

3.00 lbs. [1.36 kg] ea. (Long)

- PGI Carbon Steel pro are Alkaline Zinc plated for corrosion prevention
- PGI 316 SS products meet the requirements of NACE MR0175/ISO 15156-3
- 100% Pressure Tested Carbon Steel Weld End Connection Bodies are ASTM A696 Gr.C



HARD BALL SEAT: .187" Orifice

.

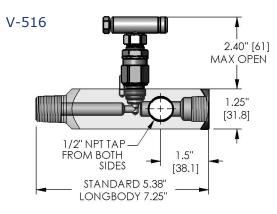
Features

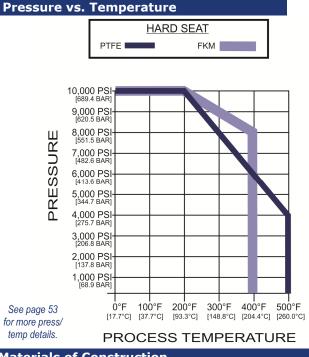
316 SS Ball Seat

atures	Be	nefits
PGI Standard	٠	Non-I

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

Dimensions, inches [mm]





Materials of Construction							
Part	Carbon Steel	A696 Carbon Steel*	316 Stainless Steel				
Body / Bonnet	ASTM A108	ASTM A696 Gr.C	ASTM A479-316				
Packing "P" / "V"	PTFE/FKM O-Ring	PTFE/FKM O-Ring	PTFE/FKM O-Ring				
Stem	ASTM A479-316	ASTM A479-316	ASTM A479-316				
Packing Adjuster	ASTM A696 Gr.C	ASTM A696 Gr.C	ASTM A479-316				
Packing Follower	ASTM A479-316	ASTM A479-316	ASTM A479-316				
Jam Nut (TFE Packed Only)	ASTM A696 Gr.C	ASTM A696 Gr.C	ASTM A582-303				
Handle Assembly	ASTM A108	ASTM A108	300 Series SS				

- are Alkaline Zinc plated for corrosion prevention
- PGI 316 SS products meet . the requirements of NACE MR0175/ISO 15156-3
- 100% Pressure Tested
- Carbon Steel Weld End Connection Bodies are ASTM A696 Gr.C

2	12

Approx. Valve Weight:

2.30 lbs. [1.04 kg] ea. (Standard)

* Barstock equivalent of ASTM A105

3.00 lbs. [1.36 kg] ea. (Long)



SOFT SEAT: .375" Orifice

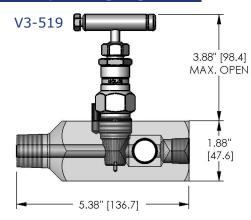
Benefits

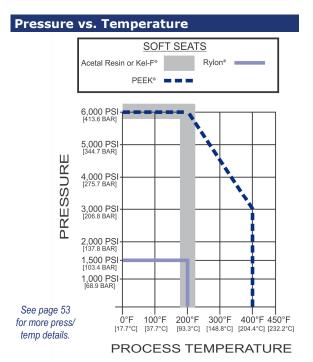
- Roddable straight-through design
- Leak free, bubble tight seating
- Easily replaced
- Available in a variety of materials
- Bi-directional flow

Dimensions, inches [mm]

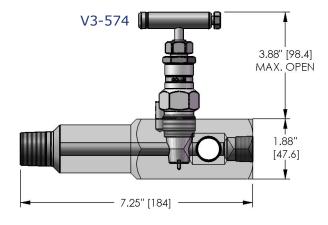
FeaturesPGI Soft

Cone Seat





Materials of Construction Carbon Steel A696 Carbon Steel* 316 Stainless Steel Part ASTM A696 Gr.C ASTM A479-316 Body / Bonnet ASTM A108 Packing "P" / "V" PTFE/FKM O-Ring PTFE/FKM O-Ring PTFE/FKM O-Ring ASTM A479-316 ASTM A479-316 ASTM A479-316 Stem ASTM A696 Gr.C ASTM A696 Gr.C ASTM A479-316 Packing Adjuster Packing Follower ASTM A479-316 ASTM A479-316 ASTM A479-316 ASTM A696 Gr.C Jam Nut (TFE Packed Only) ASTM A696 Gr.C ASTM A582-303 ASTM A108 Handle Assembly ASTM A108 300 Series SS



Part Number Selection Base Model V3- 517 1/2" MNPT x (3) 1/2" FNPT (Standard) V3- 519 3/4" MNPT x (3) 1/2" FNPT (Standard) V3-573 1/2" MNPT x (3) 1/2" FNPT (Long) 3/4" MNPT x (3) 1/2" FNPT (Long) V3- 574 1" MNPT x (3) 1/2" FNPT (Standard) V3- 577 **Body Material Code** C ASTM A108 S ASTM A479-316 SS Seat Material Code D Acetal Resin (Standard) K Kel-F® P Peek[®] Stem Packing/Seal Code P PTFE (Below threads) V FKM O-Ring V3-Options [pages 49-50] **Max Cv Ratings** Notes Straight Body Style PGI Carbon Steel products .375" Orifice are Alkaline Zinc plated for 2.40 corrosion prevention Approx. Valve Weight: PGI 316 SS products meet 2.30 lbs. [1.04 kg] ea. the requirements of NACE MR0175/ISO 15156-3 * Barstock equivalent of ASTM A105 100% Pressure Tested Carbon Steel Weld End **Connection Bodies are**

ASTM A696 Gr.C



HARD BALL SEAT: .375" Orifice

Features

PGI Standard

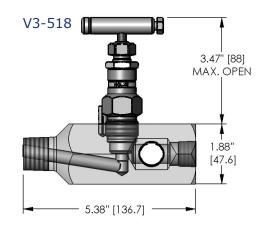
316 SS Ball Seat



Benefits

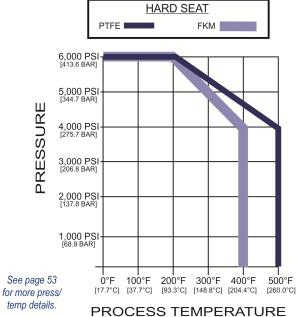
- Non-rotating ball eliminates seat galling and ball creasing
- Leak free, bubble tight seating •
- · Available in a variety of materials

Dimensions, inches [mm]



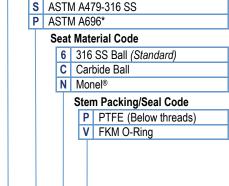
V3-520 🖬 3.47" [88] MAX. OPEN 1.88" [47.6] Ŧ 7.25" [184]

Pressure vs. Temperature



Part Number Selection

Base	ase Model									
V3-	516	1/2" MNPT x (3) 1/2" FNPT (Standard)								
V3-	518	3/4" MNPT x (3) 1/2" FNPT (Standard)								
V3-	520	1/2" MNPT x (3) 1/2" FNPT (Long)								
V3-	532	3/4" MNPT x (3) 1/2" FNPT (Long)								
	E	Body Material Code								
		C ASTM A108								



Materials of Construction								
Part	Carbon Steel	A696 Carbon Steel*	316 Stainless Steel					
Body / Bonnet	ASTM A108	ASTM A696 Gr.C	ASTM A479-316					
Packing "P" / "V"	PTFE/FKM O-Ring	PTFE/FKM O-Ring	PTFE/FKM O-Ring					
Stem	ASTM A479-316	ASTM A479-316	ASTM A479-316					
Packing Adjuster	ASTM A696 Gr.C	ASTM A696 Gr.C	ASTM A479-316					
Packing Follower	ASTM A479-316	ASTM A479-316	ASTM A479-316					
Jam Nut (TFE Packed Only)	ASTM A696 Gr.C	ASTM A696 Gr.C	ASTM A582-303					
Handle Assembly	ASTM A108	ASTM A108	300 Series SS					

Max Cv Ratings							
.375" Orifice	Straight Body Style						
.575 Office	2.40						
Approx. Valve Weight:							
2.30 lbs. [1.04 kg] ea. (Standard)							

3.00 lbs. [1.36 kg] ea. (Longbody)

V3-

* Barstock equivalent of ASTM A105

Notes

-

PGI Carbon Steel products ٠ are Alkaline Zinc plated for corrosion prevention

Options [pages 49-50]

- PGI 316 SS products meet the requirements of NACE MR0175/ISO 15156-3
- 100% Pressure Tested Carbon Steel Weld End Connection Bodies are
 - ASTM A696 Gr.C



HARD BALL SEAT: .187" Orifice

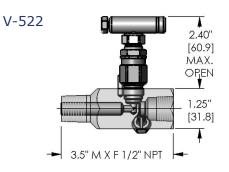
Benefits

PGI Standard 316 SS Ball Seat

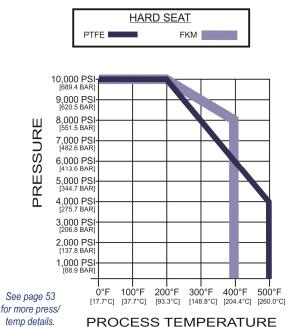
Features

- 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



PROCESS TEMPERATURE

Materials of Construction								
Part	Carbon Steel	A696 Carbon Steel*	316 Stainless Steel					
Body / Bonnet	ASTM A108	ASTM A696 Gr.C	ASTM A479-316					
Packing "P" / "V"	PTFE/FKM O-Ring	PTFE/FKM O-Ring	PTFE/FKM O-Ring					
Stem	ASTM A479-316	ASTM A479-316	ASTM A479-316					
Packing Adjuster	ASTM A696 Gr.C	ASTM A696 Gr.C	ASTM A479-316					
Packing Follower	ASTM A479-316	ASTM A479-316	ASTM A479-316					
Jam Nut (TFE Packed Only)	ASTM A696 Gr.C	ASTM A696 Gr.C	ASTM A582-303					
Handle Assembly	ASTM A108	ASTM A108	300 Series SS					

Max Cv F	Ratings				
.187" Orifice	Straight Body Style				
	.53				
Approx. Valve Weight: 1.30 lbs. [.58 kg] ea.					
* Barstock equivalent of ASTM A105					

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 Carbon Steel Weld End Connection Bodies are ASTM A696 Gr.C

Par	Part Number Selection												
В	Base Model												
		Process x Instrument											
	٧-	522	1/	1/2" MNPT x 1/2" FNPT									
	V-	526	3/	4" N	IN	PT x	1/:	2" FI	NF	٣T			
	Body Material Code												
			С	AS	TN	Л А1	08						
			S	AS	TN	Л А4	79	-316	6 S	S			
			Ρ	AS	TN	И Аб	96	*					
				Se	eat	Mat	eri	al C	:00	de			
					6	316	6 S	S Ba	all	(Standard)			
					С	Са	rbio	de B	all				
					Ν	Мо	nel	®					
						Ste	m	Pac	kiı	ng/Seal Code			
						Ρ	F	PTF	E ((Below threads)			
						V	F	FKM	0	-Ring			
				_					_	0 (1			
	V-							-		Options [pages 49-50]			



SOFT SEAT: .187" Orifice

Benefits

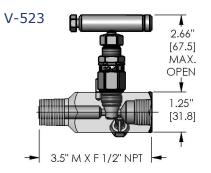
- Roddable straight-through design
- Leak free, bubble tight seating
- Easily replaced
- Available in a variety of materials
- Bi-directional flow

Dimensions, inches [mm]

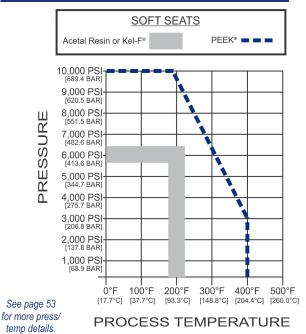
Features

PGI Soft

Cone Seat



Pressure vs. Temperature



Process x Instrument												
٧-	523	1	1/2" MNPT x 1/2" FNPT									
٧-	527	3	3/4" MNPT x 1/2" FNPT									
Body Material Code												
		С	C ASTM A108									
		S	A	STN	ΛA	479	-316 S	S				
		Ρ	A	STN	ΛA	696	*					
		Т	S	eat	Ма	ateri	ial Co	de				
				D	A	ceta	l Resir	n (Standard)				
				Κ	Ke	əl-F®	9					
				Ρ	Pe	eek®)					
					St	em	Packiı	ng/Seal Code				
						PF	PTFE ((Below threads)				
					1	VF	FKM O	-Ring				
					_							

Part Number Selection

Base Model

Materials of Construction								
Part	Carbon Steel	A696 Carbon Steel*	316 Stainless Steel					
Body / Bonnet	ASTM A108	ASTM A696 Gr.C	ASTM A479-316					
Packing "P" / "V"	PTFE/FKM O-Ring	PTFE/FKM O-Ring	PTFE/FKM O-Ring					
Stem	ASTM A479-316	ASTM A479-316	ASTM A479-316					
Packing Adjuster	ASTM A696 Gr.C	ASTM A696 Gr.C	ASTM A479-316					
Packing Follower	ASTM A479-316	ASTM A479-316	ASTM A479-316					
Jam Nut (TFE Packed Only)	ASTM A696 Gr.C	ASTM A696 Gr.C	ASTM A582-303					
Handle Assembly	ASTM A108	ASTM A108	300 Series SS					

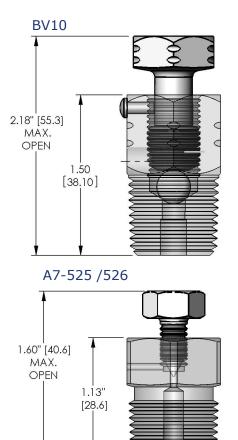
Max Cv Ratings							
.187" Orifice Straight Body Style							
.107 Office	.83						
Approx. Valve Weight: 1.30 lbs. [.58 kg] ea.							
* Barstock equivalent of ASTM A105							

Notes

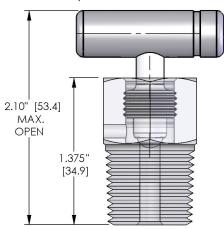
- PGI Carbon Steel products are Alkaline Zinc plated for corrosion prevention
- PGI 316 SS products meet the requirements of NACE MR0175/ISO 15156-3
- 100% Pressure Tested
- Carbon Steel Weld End Connection Bodies are ASTM A696 Gr.C



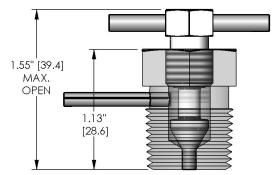
Dimensions, inches [mm]



A7-521 /520



A7-528/529



Part Number Selection

Base Model

В	ase N	lodel				
			Conne	ction	Seat Material	Other Material
	BV10N2 BV10N4		1/4" MNPT 1/2" MNPT			Drive 0
					Carbide Ball	Drive Screw 300 SS
	A7-5	520	1/2" MNPT 1/4" MNPT			
	A7-5	521				
	A7-5	525	1/4" M	NPT		Dlaad Carow 216 CC
	A7-5	526	1/2" M	NPT	Intogral Motal	Bleed Screw 316 SS
	A7-5	528	1/4" MNPT 1/2" MNPT		Integral Metal	Bleed Tube 316 SS
	A7-5	529				Dieeu Tube 310 33
			Bod	y Mat	erial Code	
			10	AST	M A108	
			C0	AST	M A479-316 SS	S
			-	1		
				Not	es	
Veight: ea. (BV10N2/N4)					GI Carbon Steel p ated for corrosion	roducts are Alkaline Zinc prevention
ea. (A7-520/521) ea. (A7-525/526))				GI 316 SS produc quirements of NA	ts meet the CE MR0175/ISO 15156-3
ea. (A7-528/529))			• 10	0% Pressure Tes	sted
					arbon Steel Weld e ASTM A696 Gr	End Connection Bodies .C

17

_	
Pressure vs.	Temperature

Carbon Steel	10,000 PSI @ 200° F Max 1,500 PSI @ 500° F Max
316 SS	10,000 PSI @ 200° F Max 1,500 PSI @ 1,000° F Max

Materials of Construction

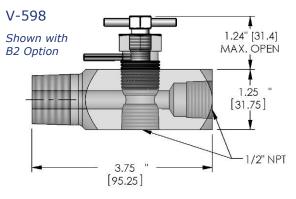
See Body Material Code.

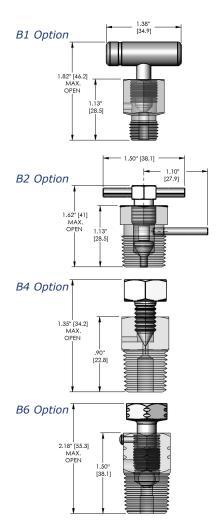


Approx. valve weight.
.50 lbs. [.22 kg] ea. (BV10N2/N4
.50 lbs. [.22 kg] ea. (A7-520/521
.30 lbs. [.13 kg] ea. (A7-525/526
.50 lbs. [.22 kg] ea. (A7-528/529









Materials of Construction

See Body Material Code.

18

	Process x Instrument							
١	/-	59)7-	1	1/2" MNPT x (3) 1/2" FNPT			
٧	/-	59	-8	3	/4"	MNP.	T x (3) 1/2" FNPT	
В	8-	59)7-	1	/2"	MNP.	T x (3) 1/2" FNPT Body Only	
В	8-	59	-8	3	/4"	MNP'	T x (3) 1/2" FNPT Body Only	
				Bo	ody	Mate	erial Code	
				Г	10	AST	M A108	
					C0	AST	M A479-316 SS	
				1				
	Bleeder Installed							
						B1	Carbide Ball Bleed Plug (A7-520)	
					B2 Bleed "T" Plug (A7-529)			
					B4 Mini-Hex Bleed Plug (A7-526)			
						B6	SS Ball Bleed Plug (BV10N4)	
						┯┷	1	

Pressure vs. Temperature

Part Number Selection

Base Model

Carbon Steel	10,000 PSI @ 200° F Max 1,500 PSI @ 500° F Max
316 SS	10,000 PSI @ 200° F Max 1,500 PSI @ 1,000° F Max



Approx. Valve Weight: 1.00 lbs. [0.45 kg] ea. (V-597/598) 0.50 lbs. [0.22 kg] ea. (BX Options)

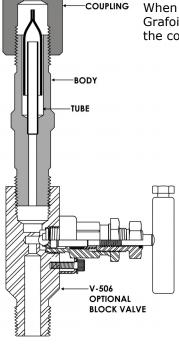
Notes

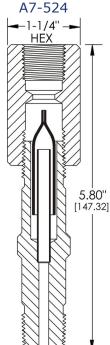
- PGI Carbon Steel products are Alkaline Zinc plated for corrosion prevention
- PGI 316 SS products meet the requirements of NACE MR0175/ISO 15156-3
- 100% Pressure Tested
- Carbon Steel Weld End Connection Bodies are ASTM A696 Gr.C

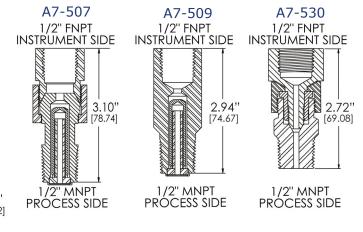
Gauge Siphons & Swivels

The PGI Gauge Siphon replaces the old style "Pigtail" siphon. The siphon provides a thermal barrier, protecting your instruments from harmful vapors. The siphon can be used as either a freeze or steam protector when used with the proper fill fluids.

When very high heat is present, the siphon, used in conjunction with the PGI V-506 Grafoil packed Hand Valve, reduces temperatures seen at the instrument by lengthening the condensate leg.



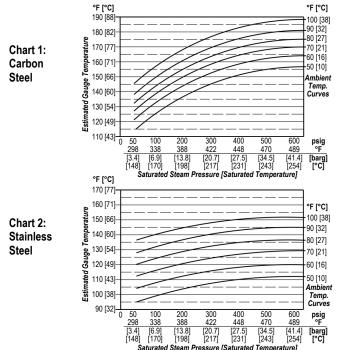




Part Number Selection

Model Numbers

	Gauge Siphons: Process x Instrument
A7-524-C0	1/2" MNPT x 1/2" FNPT with Carbon Steel Coupling
A7-524-C0S	1/2" MNPT x 1/2" FNPT
A7-522-C0	3/4" MNPT x 1/2" FNPT with Carbon Steel Coupling
A7-522-C0S	3/4" MNPT x 1/2" FNPT
A7-507-C0	1/2" MNPT x 1/2" FNPT with Safety Excess Flow Check/ Snubber and Gauge Swivel
A7-508-C0	3/4" MNPT x 3/4" FNPT with Carbon Steel Coupling
A7-509-C0	1/2" MNPT x 1/2" FNPT with Safety Excess Flow Check/ Snubber
A7-530-C0	1/2" MNPT x 1/2" FNPT with Gauge Swivel



Pressure vs. Temperature			
Part	Pressure @ Temperature		
A7-524-C0	6,000 PSI @ 200° F Max 1,500 PSI @ 500° F Max		
A7-524-C0S	6,000 PSI @ 200° F Max 1,500 PSI @ 1,000° F Max		
A7-530-C0	10,000 PSI @ 200° F Max 1,500 PSI @ 1,000° F Max		
A7-507-C0	1,500 PSI @ 1,000° F Max		
A7-508-C0	10,000 PSI @ 200° F Max 1,500 PSI @ 500° F Max		
A7-509-C0	1,500 PSI @ 1,000° F Max		

Weights

Approx. Weights:

1.51 lbs. [0.68 kg] ea. (A7-508 and A7-522/524-C0/C0S) 0.58 lbs. [0.26 kg] ea. (A7-530-C0) 0.60 lbs. [0.27 kg] ea. (A7-507-C0) 1.00 lbs. [0.45 kg] ea. (A7-509-C0)

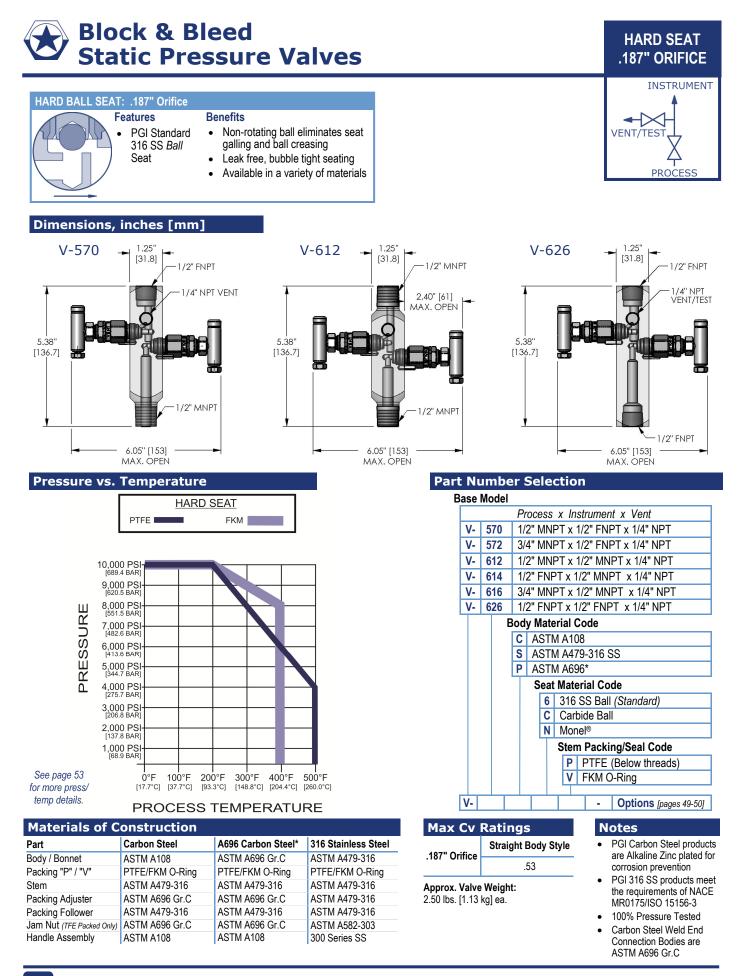
Body Material

All 316 Stainless Steel body material.

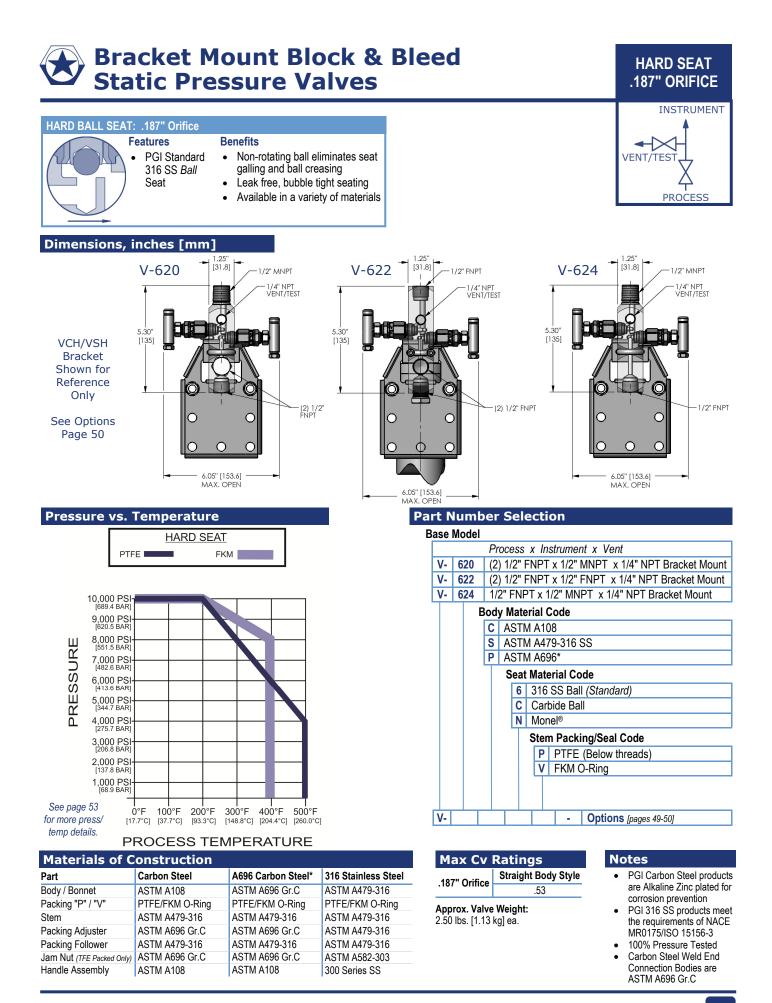
ESTIMATED GAUGE TEMPERATURES

By knowing the material of construction, saturated steam conditions, and ambient temperature, the chart below can estimate the gauge temperature for the A7-522/524-C0 & COS. For example, if using an A7-524-C0 in an application of 500 psig, 470° F saturated steam, and 90° F ambient temperature, Chart 1 (Carbon Steel) can be utilized by following the 90° F ambient temperature curve to 500 psig. An estimated gauge temperature of 180° F is shown.

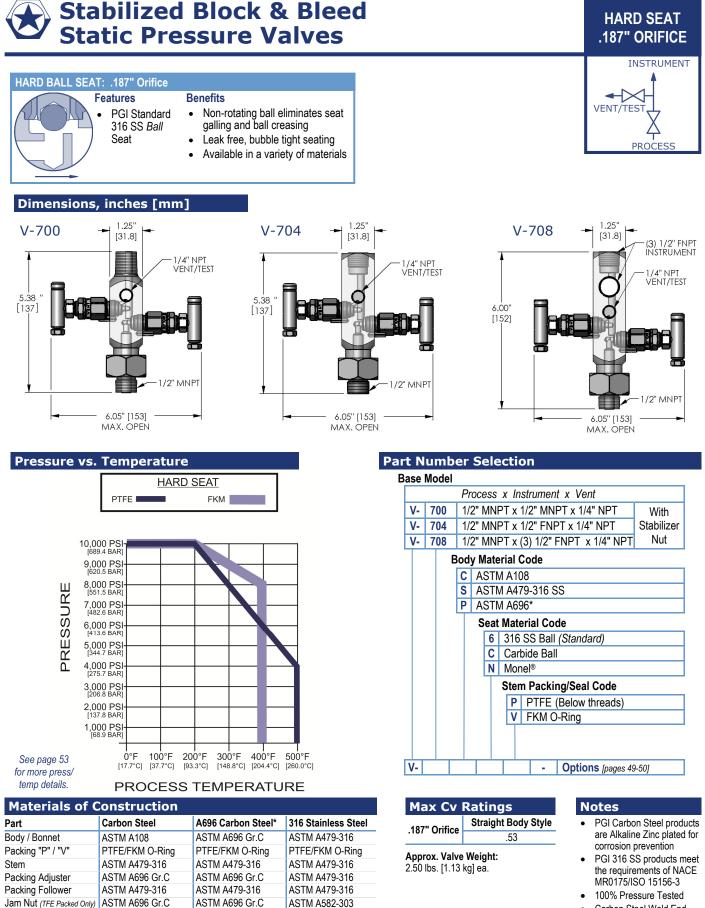
The same method will be applied for an A7-524-C0S on Chart 2 (Stainless Steel.) The estimated gauge temperature will be 144° F.



20 Lone



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Carbon Steel Weld End Connection Bodies are ASTM A696 Gr.C



Handle Assembly

ASTM A108

ASTM A108

300 Series SS

Stabilized Block & Bleed

3-Valve Chart Recorder/Meter Manifold

SOFT SEAT 1/2" FNPT x FLANGE .187" ORIFICE

INSTRUMENT

VENT

€HD

TEST

PROCESS

Ð

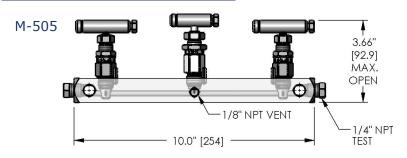
TES

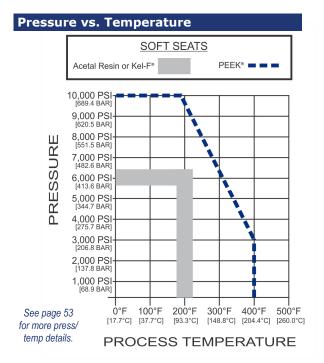
PROCESS

SOFT SEAT: .187" Orifice

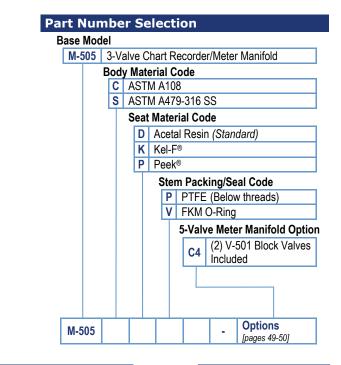


Dimensions, inches [mm]





Materials of Construction				
Part	Carbon Steel	316 Stainless Steel		
Body / Bonnet	ASTM A108	ASTM A479-316		
Packing "P" / "V"	PTFE/FKM O-Ring	PTFE/FKM O-Ring		
Stem	ASTM A479-316	ASTM A479-316		
Packing Adjuster	ASTM A696 Gr.C*	ASTM A479-316		
Packing Follower	ASTM A479-316	ASTM A479-316		
Jam Nut (TFE Packed Only)	ASTM A696 Gr.C*	ASTM A582-303		
Handle Assembly	ASTM A108	300 Series SS		



Straight Body Style .83 Approx. Manifold Weight: 3.70 lbs. [1.67 kg] ea. * Barstock equivalent of ASTM A105	Max Cv Ratings		
Approx. Manifold Weight: 3.70 lbs. [1.67 kg] ea.	187" Orifice Straight Body Style		
3.70 lbs. [1.67 kg] ea.	.187 Office .83		
* Barstock equivalent of ASTM A105			
	* Barstock equivalent of ASTM A105		

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
- Carbon Steel Weld End Connection Bodies are ASTM A696 Gr.C



SOFT SEAT: .187" Orifice



Benefits

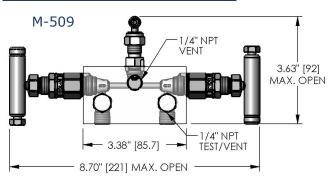
- Roddable straight-through design
- Leak free, bubble tight seating •
- Easily replaced •
- Available in a variety of materials
- **Bi-directional flow** •

Dimensions, inches [mm]

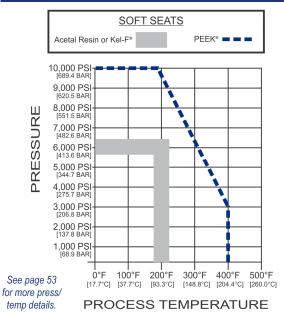
Features

PGI Soft

Cone Seat



Pressure vs. Temperature



Materials of Construction				
Part	Carbon Steel	A696 Carbon Steel*	316 Stainless Steel	
Body	ASTM A108	ASTM A696 Gr.C	ASTM A479-316	
Bonnet	ASTM A696 Gr.C	ASTM A696 Gr.C	ASTM A479-316	
Packing "P" / "V"	PTFE/FKM O-Ring	PTFE/FKM O-Ring	PTFE/FKM O-Ring	
Stem	ASTM A479-316	ASTM A479-316	ASTM A479-316	
Packing Adjuster	ASTM A696 Gr.C	ASTM A696 Gr.C	ASTM A479-316	
Packing Follower	ASTM A479-316	ASTM A479-316	ASTM A479-316	
Jam Nut (TFE Packed Only)	ASTM A696 Gr.C	ASTM A696 Gr.C	ASTM A582-303	
Handle Assembly	ASTM A108	ASTM A108	300 Series SS	

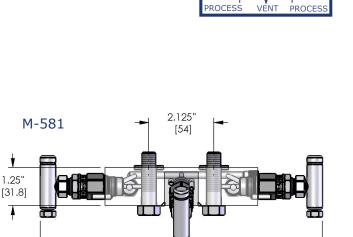
Max Cv Ratings Straight Body Style .187" Orifice .83 (M-509) .125" Orifice .25 (M-581) Approx. Manifold Weight: 5 lbs. [2.26 kg] ea.

* Barstock equivalent of ASTM A105

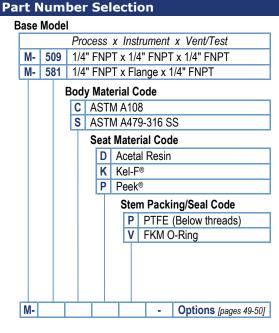
Notes

- PGI Carbon Steel products ٠ are Alkaline Zinc plated for corrosion prevention
- PGI 316 SS products meet the requirements of NACE MR0175/ISO 15156-3
- 100% Pressure Tested
- Carbon Steel Weld End **Connection Bodies are** ASTM A696 Gr.C





9.50" [241] MAX. OPEN



4



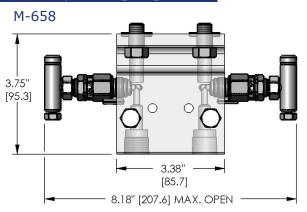
HARD BALL SEAT: .187" Orifice

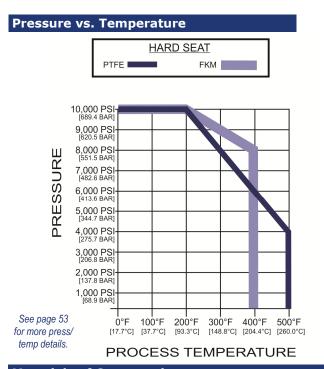


Benefits

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

Dimensions, inches [mm]





Materials of Construction Part **Carbon Steel** A696 Carbon Steel* 316 Stainless Steel Body / Bonnet ASTM A108 ASTM A696 Gr.C ASTM A276-316 Packing "P" / "V" PTFE/FKM O-Ring PTFE/FKM O-Ring PTFE/FKM O-Ring Stem ASTM A479-316 ASTM A479-316 ASTM A479-316 ASTM A696 Gr.C ASTM A696 Gr.C ASTM A479-316 Packing Adjuster ASTM A479-316 ASTM A479-316 ASTM A479-316 Packing Follower Jam Nut (TFE Packed Only) ASTM A696 Gr.C ASTM A696 Gr.C ASTM A582-303 Handle Assembly ASTM A108 ASTM A108 300 Series SS

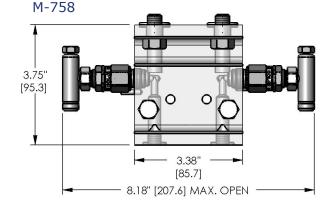
Max Cv Ratings						
.187" Orifice Straight Body Style						
.167 Office	.53					
Approx. Manifold Weight:						
6.1 lbs. [2.76 kg] ea. (M-658)						
6.8 lbs. [3.08 kg] ea. (M-758)						

* Barstock equivalent of ASTM A105

.187" ORIFICE

HARD SEAT





Part Number Selection Base Model Process x Instrument x Purge M- 658 1/2" FNPT x Flange x (2) 1/4" NPT М-758 Flange x Flange x (2) 1/4" NPT **Body Material Code** C ASTM A108 S ASTM A276-316 SS P ASTM A696* Seat Material Code 6 316 SS Ball (Standard) C Carbide Ball N Monel® Stem Packing/Seal Code P PTFE (Below threads) V FKM O-Ring M-. Options [pages 49-50] 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
- Carbon Steel Weld End Connection Bodies are ASTM A696 Gr.C



Features

PGI Soft

Cone Seat

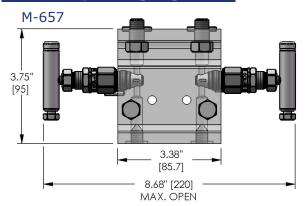
SOFT SEAT: .187" Orifice



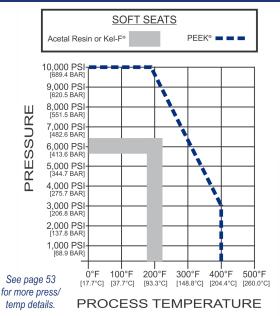
Benefits

- Roddable straight-through design
- Leak free, bubble tight seating
- Easily replaced
- Available in a variety of materials
- Bi-directional flow

Dimensions, inches [mm]



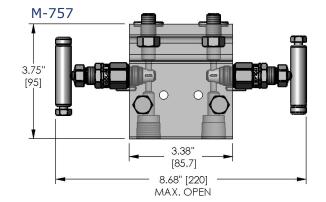
Pressure vs. Temperature



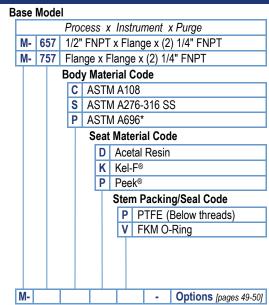
Materials of Construction

Part	Carbon Steel	A696 Carbon Steel*	316 Stainless Steel
Body	ASTM A108	ASTM A696 Gr.C	ASTM A276-316
Bonnet	ASTM A696 Gr.C	ASTM A696 Gr.C	ASTM A479-316
Packing "P" / "V"	PTFE/FKM O-Ring	PTFE/FKM O-Ring	PTFE/FKM O-Ring
Stem	ASTM A479-316	ASTM A479-316	ASTM A479-316
Packing Adjuster	ASTM A696 Gr.C	ASTM A696 Gr.C	ASTM A479-316
Packing Follower	ASTM A479-316	ASTM A479-316	ASTM A479-316
Jam Nut (TFE Packed Only)	ASTM A696 Gr.C	ASTM A696 Gr.C	ASTM A582-303
Handle Assembly	ASTM A108	ASTM A108	300 Series SS





Part Number Selection

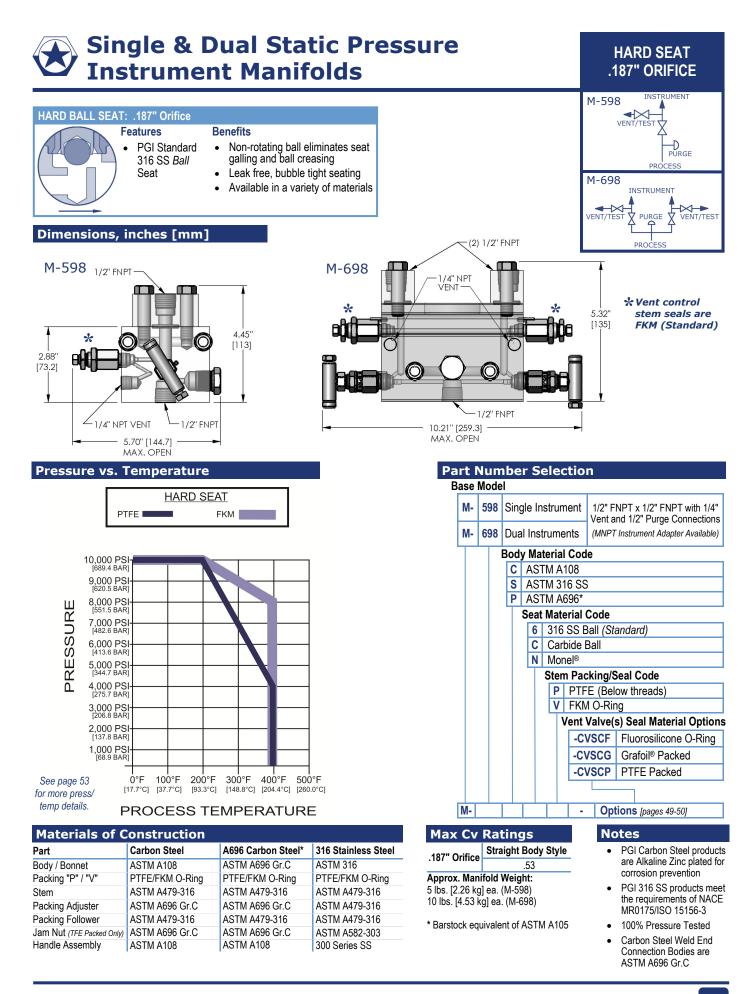


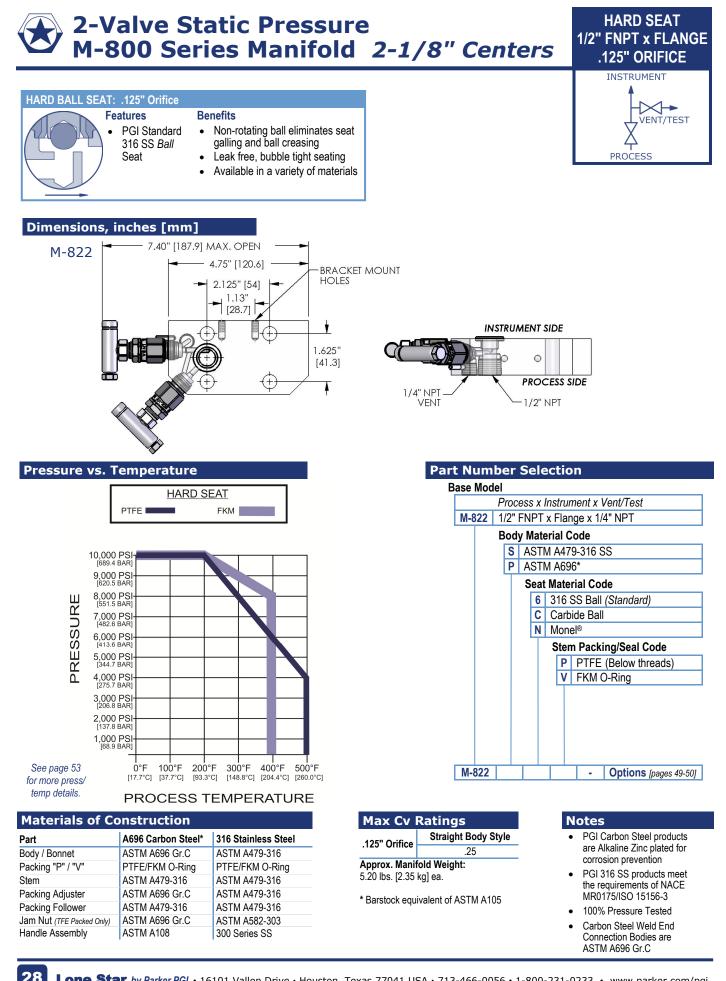
Max Cv Ratings .187" Orifice Straight Body Style .83 Approx. Manifold Weight: 6.1 lbs. [2.76 kg] ea. (M-657) 6.8 lbs. [3.08 kg] ea. (M-757) * Barstock equivalent of ASTM A105

Notes

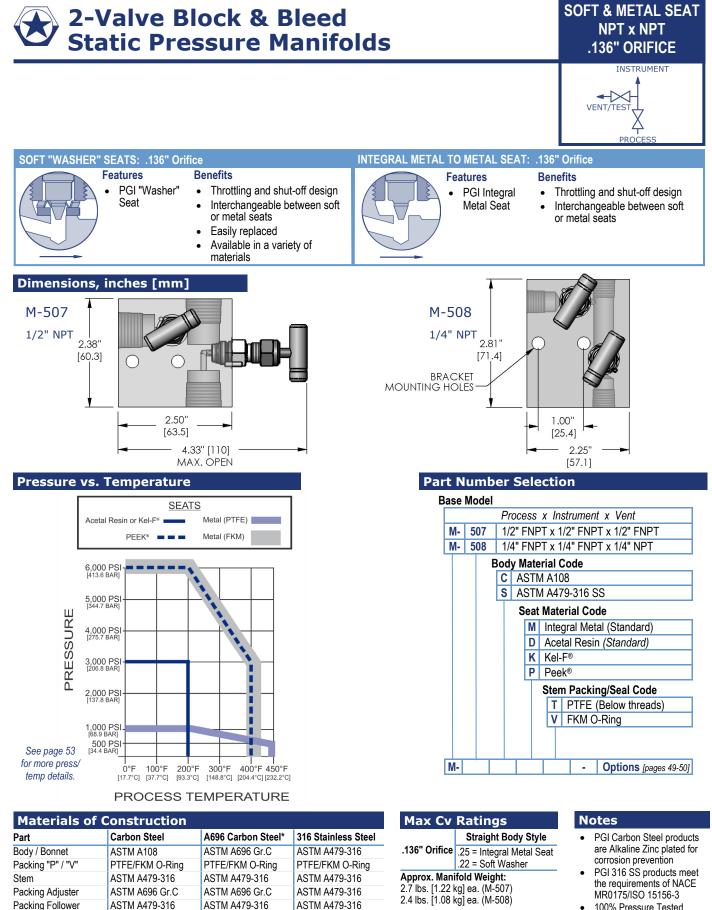
- PGI Carbon Steel products are Alkaline Zinc plated for corrosion prevention
- PGI 316 SS products meet the requirements of NACE MR0175/ISO 15156-3
- 100% Pressure Tested
- Carbon Steel Weld End Connection Bodies are ASTM A696 Gr.C

SOFT SEAT





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- 100% Pressure Tested Carbon Steel Weld End
- Carbon Steel Weld End Connection Bodies are ASTM A696 Gr.C

* Barstock equivalent of ASTM A105

ASTM A582-303

300 Series SS

Jam Nut (TFE Packed Only)

Handle Assembly

ASTM A696 Gr.C

ASTM A108

ASTM A696 Gr.C

ASTM A108



HARD BALL SEAT: .187" Orifice

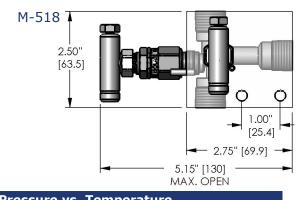


Benefits PGI Standard Non-rotating ball eliminates seat 316 SS Ball galling and ball creasing

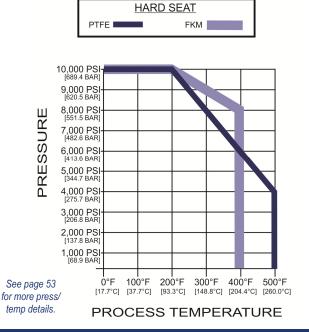
- Leak free, bubble tight seating ٠
- Available in a variety of materials

Dimensions, inches [mm]

Seat



Pressure vs. Temperature



Materials of Construction							
Part	Carbon Steel	A696 Carbon Steel*	316 Stainless Steel				
Body / Bonnet	ASTM A108	ASTM A696 Gr.C	ASTM A479-316				
Packing "P" / "V"	PTFE/FKM O-Ring	PTFE/FKM O-Ring	PTFE/FKM O-Ring				
Stem	ASTM A479-316	ASTM A479-316	ASTM A479-316				
Packing Adjuster	ASTM A696 Gr.C	ASTM A696 Gr.C	ASTM A479-316				
Packing Follower	ASTM A479-316	ASTM A479-316	ASTM A479-316				
Jam Nut (TFE Packed Only)	ASTM A696 Gr.C	ASTM A696 Gr.C	ASTM A582-303				
Handle Assembly	ASTM A108	ASTM A108	300 Series SS				

HARD SEAT

1/2" FNPT x 1/2" FNPT .187" ORIFICE



Part Numbe	Part Number Selection						
Base Model							
M-518 1/2" FNPT x 1/2" FNPT x 1/2" NPT							
E	Body Material Code						
	C ASTM A108						
		ASTM A479-316 SS					
		ASTM A696*					
		Seat Material Code					
		6 316 SS Ball (Standard)					
		C Carbide Ball					
		N Monel®					
		Stem Packing/Seal Code					
		P PTFE (Below threads)					
		V FKM O-Ring					
M-518		- Options [pages 49-50]					
x Cv Ratings	5 _	Notes					
		DOI Carban Charl and wate					

• Straight Body Style .187" Orifice .53

Approx. Manifold Weight: 3.1 lbs. [1.40 kg] ea.

Ма

* Barstock equivalent of ASTM A105

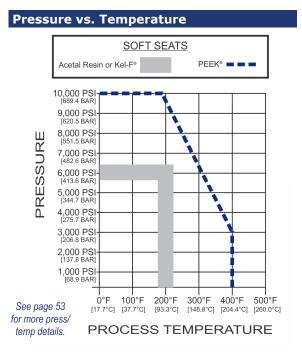
- PGI Carbon Steel products are Alkaline Zinc plated for
- corrosion prevention PGI 316 SS products meet the requirements of NACE MR0175/ISO 15156-3
- 100% Pressure Tested Carbon Steel Weld End .

Connection Bodies are ASTM A696 Gr.C CS

2-Valve Block & Bleed Static Pressure Manifold



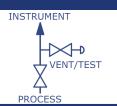
M-517



Materials of Construction							
Part	Carbon Steel	A696 Carbon Steel*	316 Stainless Steel				
Body / Bonnet	ASTM A108	ASTM A696 Gr.C	ASTM A479-316				
Packing "P" / "V"	PTFE/FKM O-Ring	PTFE/FKM O-Ring	PTFE/FKM O-Ring				
Stem	ASTM A479-316	ASTM A479-316	ASTM A479-316				
Packing Adjuster	ASTM A696 Gr.C	ASTM A696 Gr.C	ASTM A479-316				
Packing Follower	ASTM A479-316	ASTM A479-316	ASTM A479-316				
Jam Nut (TFE Packed Only)	ASTM A696 Gr.C	ASTM A696 Gr.C	ASTM A582-303				
Handle Assembly	ASTM A108	ASTM A108	300 Series SS				

Max Cv Ratings				
.187" Orifice	Straight Body Style			
.107 Office	.83			
Approx. Manifold Weight: 3.1 lbs. [1.40 kg] ea.				
* Barstock equivalent of ASTM A105				

SOFT SEAT 1/2" FNPT x 1/2" FNPT .187" ORIFICE



Par	Part Number Selection								
В	ase N	odel							
	M-:	517 1/2" FNPT x 1/2" FNPT x 1/2" NPT							
			Boo	ly I	Mat	eria	I Co	ode	
			С	Α	١ST	ΜA	108	5	
			S	-				-316 S	S
			Ρ	A	١ST	ΜA	696)*	
				ę	Sea	t Ma	ter	ial Coo	le
					D	Ac	eta	I Resin	(Standard)
					K		el-F	®	
					P	Pe	ek	B	
						St	em	Packi	ng/Seal Code
							Ρ		(Below threads)
							V	FKM C)-Ring
	M-	517		Τ				-	Options [pages 49-50]

- 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
- Carbon Steel Weld End Connection Bodies are ASTM A696 Gr.C

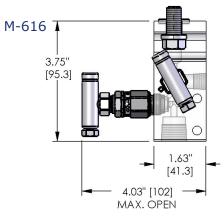


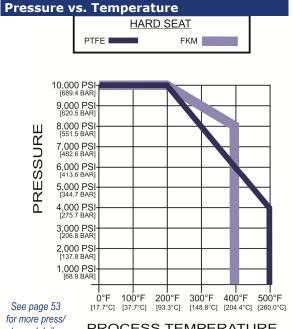
HARD BALL SEAT: .187" Orifice

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]

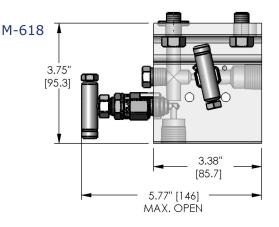




for more press/ temp details.

PROCESS TEMPERATURE

Materials of Construction							
Part	Carbon Steel	A696 Carbon Steel*	316 Stainless Steel				
Body / Bonnet	ASTM A108	ASTM A696 Gr.C	ASTM A276-316				
Packing "P" / "V"	PTFE/FKM O-Ring	PTFE/FKM O-Ring	PTFE/FKM O-Ring				
Stem	ASTM A479-316	ASTM A479-316	ASTM A479-316				
Packing Adjuster	ASTM A696 Gr.C	ASTM A696 Gr.C	ASTM A479-316				
Packing Follower	ASTM A479-316	ASTM A479-316	ASTM A479-316				
Jam Nut (TFE Packed Only)	ASTM A696 Gr.C	ASTM A696 Gr.C	ASTM A582-303				
Handle Assembly	ASTM A108	ASTM A108	300 Series SS				



Part Number Selection

В	ase	Mod	el						
			Process x Instrument x Vent						
	M-	616	1/2	" FNF	PT x l	Flar	ige x 1	/4" NPT Slim Body	
	M-	618	1/2	" FNF	PT x l	Flar	ige x 1	/2" NPT Standard Body	
		Body Material Code							
			С	AST	M A	108			
			S				-316 S	S	
			P	AST	M A	696	*		
				Sea	at Ma	ateri	ial Co	de	
				6	-			(Standard)	
				C			de Bal		
				N	M	one	®		
					St	em	Packi	ng/Seal Code	
					E			(Below threads)	
					1	V F	-KM C	-Ring	
	M-						-	Options [pages 49-50]	

Max Cv Ratings Straight Body Style .187" Orifice .53 Approx. Manifold Weight: 2.60 lbs. [1.17 kg] ea. (M-616) 5.00 lbs. [2.26 kg] ea. (M-618)

* Barstock equivalent of ASTM A105

Notes

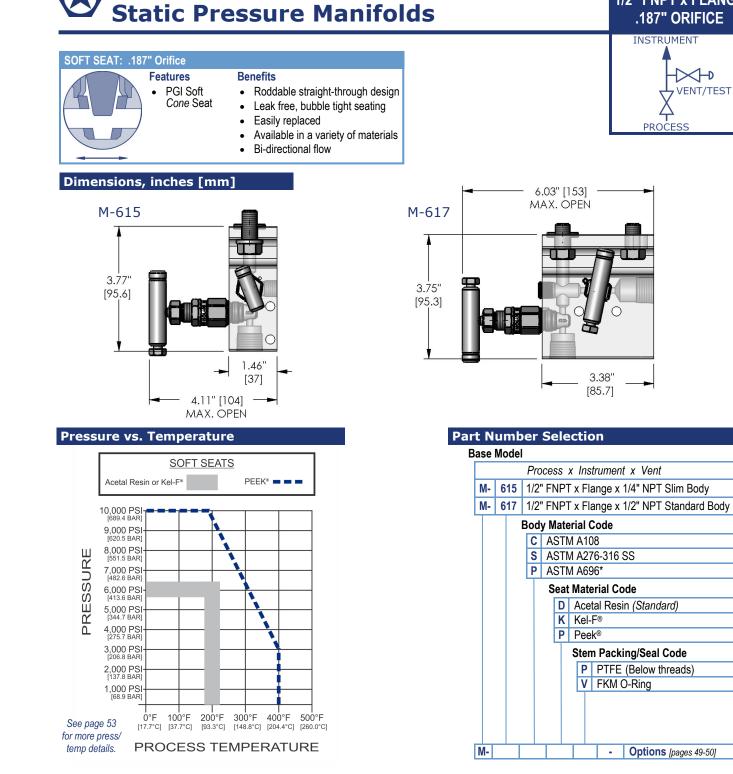
- PGI Carbon Steel products are Alkaline Zinc plated for corrosion prevention
- PGI 316 SS products meet • the requirements of NACE MR0175/ISO 15156-3
- 100% Pressure Tested
- Carbon Steel Weld End Connection Bodies are ASTM A696 Gr.C



PROCESS

VENT/TEST

HARD SEAT



2-Valve Block & Bleed

Materials of Construction							
Part	Carbon Steel	A696 Carbon Steel*	316 Stainless Steel				
Body / Bonnet	ASTM A108	ASTM A696 Gr.C	ASTM A276-316				
Packing "P" / "V"	PTFE/FKM O-Ring	PTFE/FKM O-Ring	PTFE/FKM O-Ring				
Stem	ASTM A479-316	ASTM A479-316	ASTM A479-316				
Packing Adjuster	ASTM A696 Gr.C	ASTM A696 Gr.C	ASTM A479-316				
Packing Follower	ASTM A479-316	ASTM A479-316	ASTM A479-316				
Jam Nut (TFE Packed Only)	ASTM A696 Gr.C	ASTM A696 Gr.C	ASTM A582-303				
Handle Assembly	ASTM A108	ASTM A108	300 Series SS				

Max Cv Ratings				
.187" Orifice	Straight Body Style			
.167 Office	.83			
Approx. Manifold Weight: 2.60 lbs. [1.17 kg] ea. (M-615) 5.00 lbs. [2.26 kg] ea. (M-617)				
* Barstock equivalent of ASTM A105				

Notes

-

PGI Carbon Steel products are Alkaline Zinc plated for corrosion prevention

Options [pages 49-50]

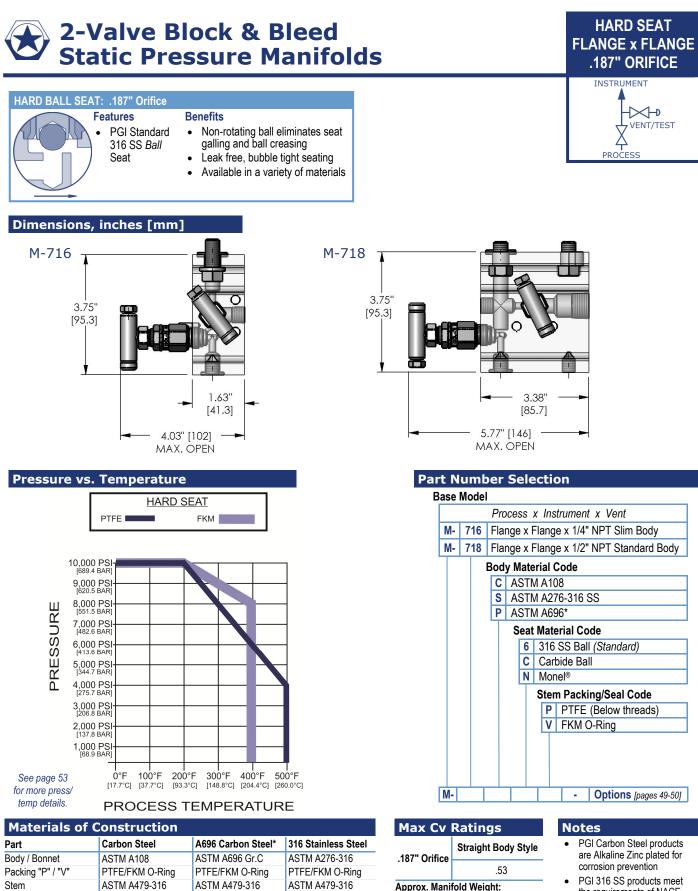
- PGI 316 SS products meet . the requirements of NACE MR0175/ISO 15156-3
- 100% Pressure Tested
- Carbon Steel Weld End Connection Bodies are ASTM A696 Gr.C



SOFT SEAT

1/2" FNPT x FLANGE





- PGI 316 SS products meet the requirements of NACE MR0175/ISO 15156-3
- 100% Pressure Tested
- Carbon Steel Weld End Connection Bodies are ASTM A696 Gr.C

ASTM A479-316

ASTM A479-316

ASTM A582-303

300 Series SS

ASTM A696 Gr.C

ASTM A479-316

ASTM A696 Gr.C

ASTM A108

ASTM A696 Gr.C

ASTM A479-316

ASTM A696 Gr.C

ASTM A108

Packing Adjuster

Packing Follower

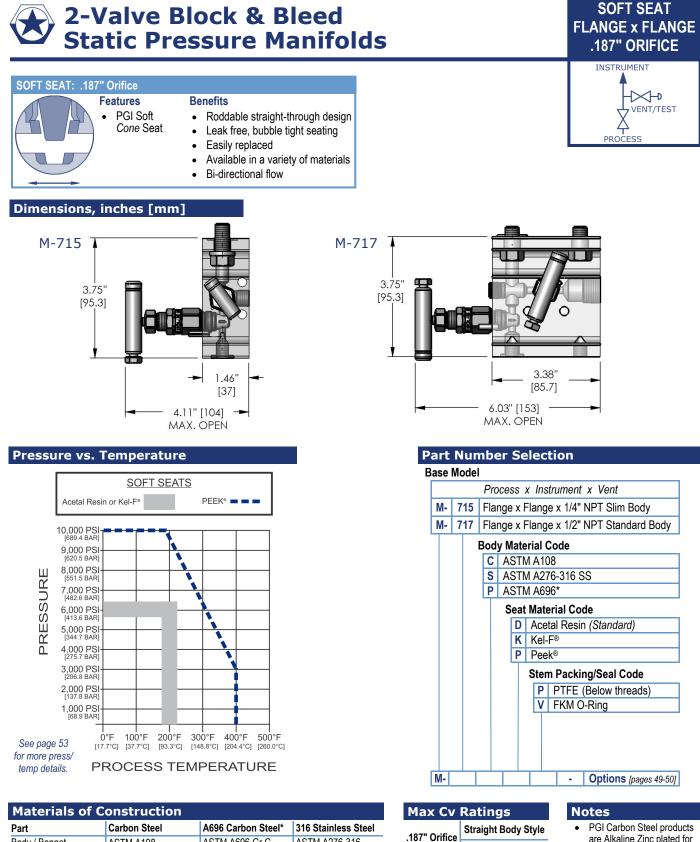
Handle Assembly

Jam Nut (TFE Packed Only)

3.00 lbs. [1.36 kg] ea. (M-716)

5.50 lbs. [2.49 kg] ea. (M-718)

* Barstock equivalent of ASTM A105



٠	PGI Carbon Steel products
	are Alkaline Zinc plated for
	corrosion prevention

Approx. Manifold Weight:

3.00 lbs. [1.36 kg] ea. (M-715)

5.50 lbs. [2.49 kg] ea. (M-717)

* Barstock equivalent of ASTM A105

- PGI 316 SS products meet the requirements of NACE MR0175/ISO 15156-3
- 100% Pressure Tested
- Carbon Steel Weld End Connection Bodies are ASTM A696 Gr.C

ASTM A276-316

ASTM A479-316

ASTM A479-316

ASTM A479-316

ASTM A582-303

300 Series SS

PTFE/FKM O-Ring

ASTM A696 Gr.C

PTFE/FKM O-Ring

ASTM A479-316

ASTM A696 Gr.C

ASTM A479-316

ASTM A696 Gr.C

ASTM A108

Body / Bonnet

Stem

Packing "P" / "V"

Packing Adjuster

Packing Follower

Handle Assembly

Jam Nut (TFE Packed Only)

ASTM A108

PTFE/FKM O-Ring

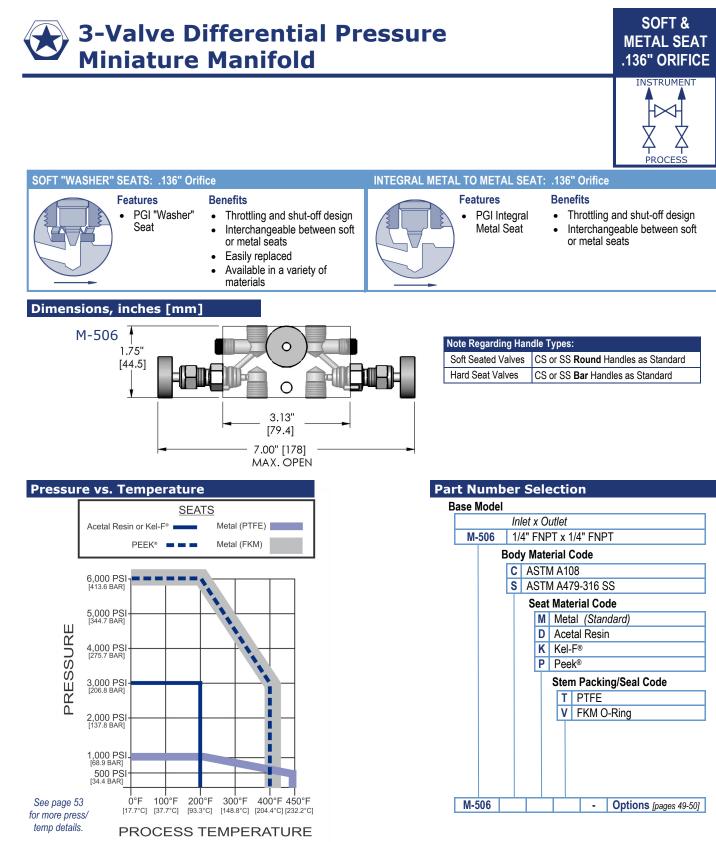
ASTM A479-316

ASTM A696 Gr.C

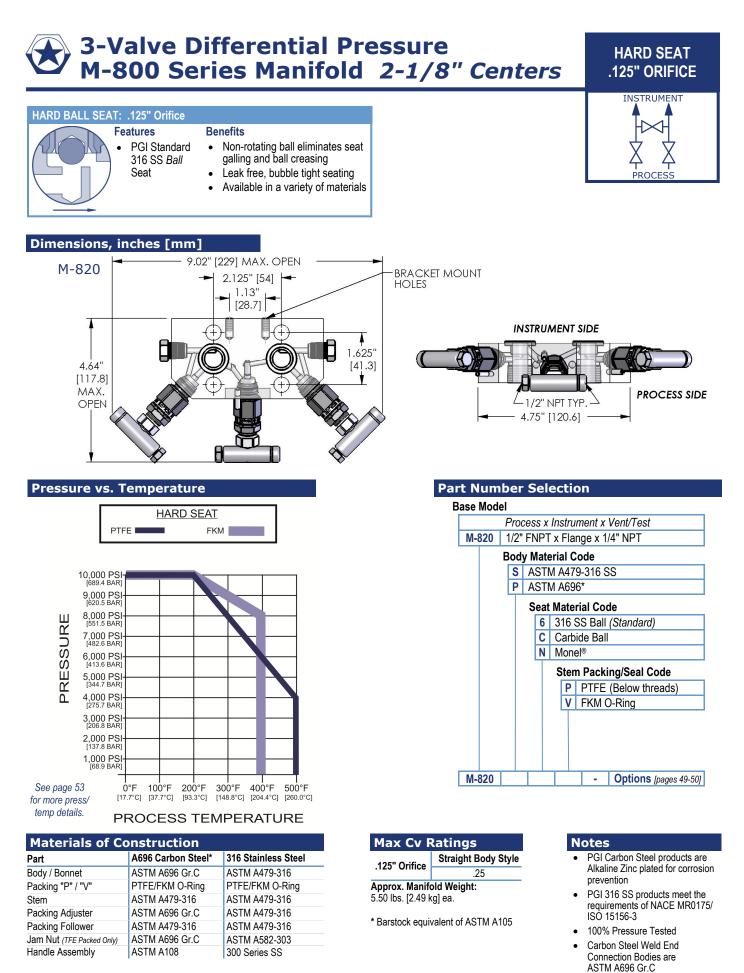
ASTM A479-316

ASTM A696 Gr.C

ASTM A108

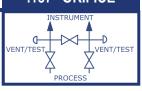


Materials of Con	struction		Max Cv	Ratings	N	lotes
Part	Carbon Steel	316 Stainless Steel		Straight Body Style	•	PGI Carbon Steel products are
Body	ASTM 1016-1018/A108	ASTM A479-316/A479-316	.136" Orifice	.25 = Integral Metal Seat		Alkaline Zinc plated for corrosion
Packing "T" / "V"	PTFE/FKM O-Ring	PTFE/FKM O-Ring		.22 = Soft Washer		prevention
Stem	ASTM A479-316	ASTM A479-316	Approx. Mani	old Weight:	•	PGI 316 SS products meet the
Packing Nut (TFE Packed Only)	ASTM A108	ASTM A582-303	1.8 lbs. [.81 kg] ea.		requirements of NACE MR0175/ ISO 15156-3
Handles: Soft Seated Valves	CS or SS Round Handles	as Standard				
Handles: Hard Seat Valves	CS or SS Bar Handles as	Standard			•	Carbon Steel Weld End Connection Bodies are ASTM A696 Gr.C



3-Valve Differential Pressure Manifolds

HARD SEAT .187" ORIFICE

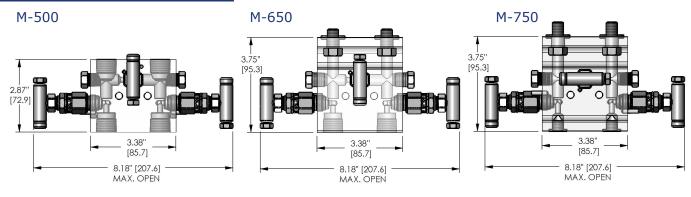


HARD BALL SEAT: .187" Orifice

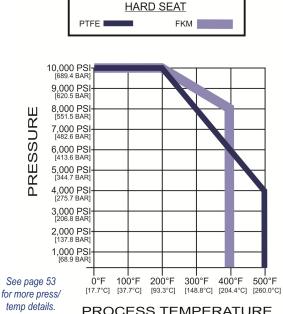
Features PGI Standard 316 SS Ball Seat

- **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



M- 650 ¤ 1/2" FNPT x Flange x 1/4" FNPT M- 750 ¤ Flange x Flange x 1/4" FNPT **Body Material Code** C ASTM A108 ASTM A479-316 SS S

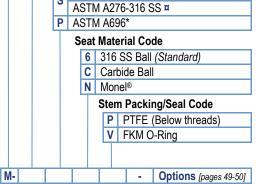
Process x Instrument x Vent

1/2" FNPT x 1/2" FNPT x 1/4" FNPT

Part Number Selection

Base Model

M-500



PROCESS TEMPERATURE

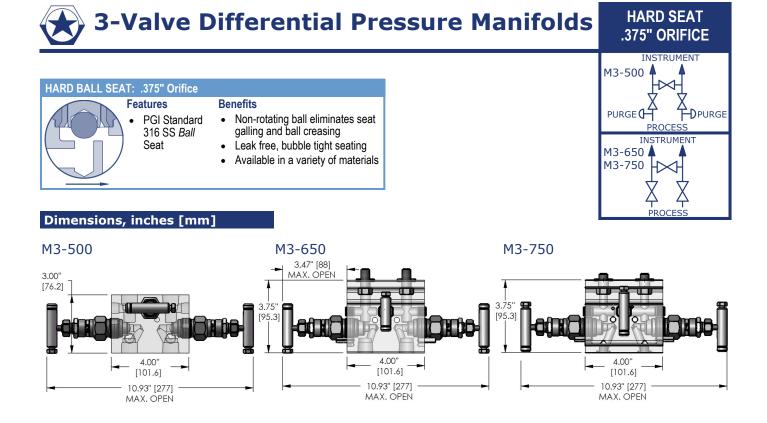
Materials of C	onstruction		
Part	Carbon Steel	A696 Carbon Steel*	316 Stainless Steel
Body / Bonnet	ASTM A108	ASTM A696 Gr.C	ASTM A479-316 ASTM A276-316
Packing "P" / "V"	PTFE/FKM O-Ring	PTFE/FKM O-Ring	PTFE/FKM O-Ring
Stem	ASTM A479-316	ASTM A479-316	ASTM A479-316
Packing Adjuster	ASTM A696 Gr.C	ASTM A696 Gr.C	ASTM A479-316
Packing Follower	ASTM A479-316	ASTM A479-316	ASTM A479-316
Jam Nut (TFE Packed Only)	ASTM A696 Gr.C	ASTM A696 Gr.C	ASTM A582-303
Handle Assembly	ASTM A108	ASTM A108	300 Series SS

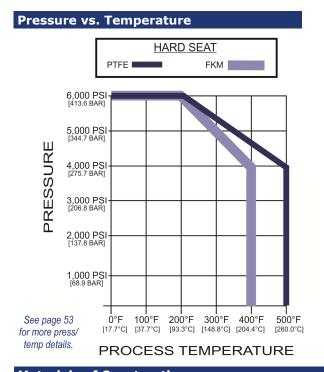
Max Cv I	Ratings
.187" Orifice	Straight Body Style
.107 Office	.53
Approx. Manif	old Weight:
4.20 lbs. [1.90	kg] ea. (M-500)
5.20 lbs. [2.35	kg] ea. (M-650)
5.70 lbs. [2.58	kg] ea. (M-750)

* Barstock equivalent of ASTM A105

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 Carbon Steel Weld End
- Connection Bodies are ASTM A696 Gr.C





Materials of C	Construction		
Part	Carbon Steel	A696 Carbon Steel*	316 Stainless Steel
Body / Bonnet	ASTM A108	ASTM A696 Gr.C	ASTM A479-316 ASTM A276-316 ¤
Packing "P" / "V"	PTFE/FKM O-Ring	PTFE/FKM O-Ring	PTFE/FKM O-Ring
Stem	ASTM A479-316	ASTM A479-316	ASTM A479-316
Packing Adjuster	ASTM A696 Gr.C	ASTM A696 Gr.C	ASTM A479-316
Packing Follower	ASTM A479-316	ASTM A479-316	ASTM A479-316
Jam Nut (TFE Packed Only)	ASTM A696 Gr.C	ASTM A696 Gr.C	ASTM A582-303
Handle Assembly	ASTM A108	ASTM A108	300 Series SS
. and recombly	,,		

Max Cv	
.375" Orifice	Straight Body Style
0.00	2.40
Approx. Mani	fold Weight:
9.00 lbs. [4.08	kg] ea. (M3-500)
7.00 lbs. [3.17	kg] ea. (M3-650)
7.60 lbs. [3.44	kg] ea. (M3 -750)
* Barstock equ	ivalent of ASTM A105

M3-

Part Number Selection

Process x Instrument x Vent

ASTM A479-316 SS

ASTM A276-316 SS ¤

Seat Material Code

6 316 SS Ball C Carbide Ball

N Monel®

M3- 750 ¤ Flange x Flange x 1/4" NPT Body Material Code

C ASTM A108

P ASTM A696*

S

1/2" FNPT x 1/2" FNPT x 1/4" NPT

1/2" FNPT x Flange x 1/4" FNPT

Base Model

M3- 500 M3- 650 ¤

Notes

Stem Packing/Seal Code P PTFE (Below threads)

V FKM O-Ring

2

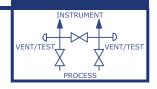
 PGI Carbon Steel products are Alkaline Zinc plated for corrosion prevention

Options (pages 49-50)

- PGI 316 SS products meet the requirements of NACE MR0175/ISO 15156-3
- 100% Pressure Tested
- Carbon Steel Weld End Connection Bodies are ASTM A696 Gr.C

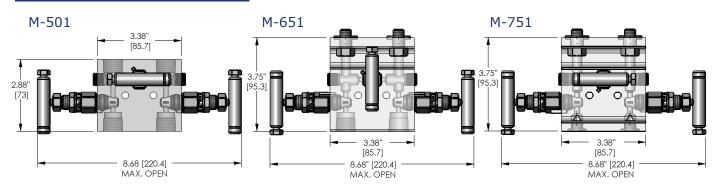
3-Valve Differential Pressure Manifolds

SOFT SEAT .187" ORIFICE

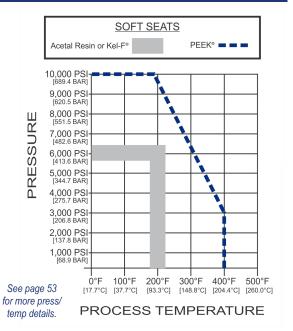




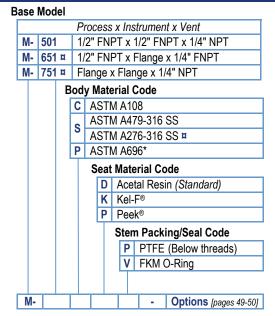
Dimensions, inches [mm]



Pressure vs. Temperature



Part Number Selection

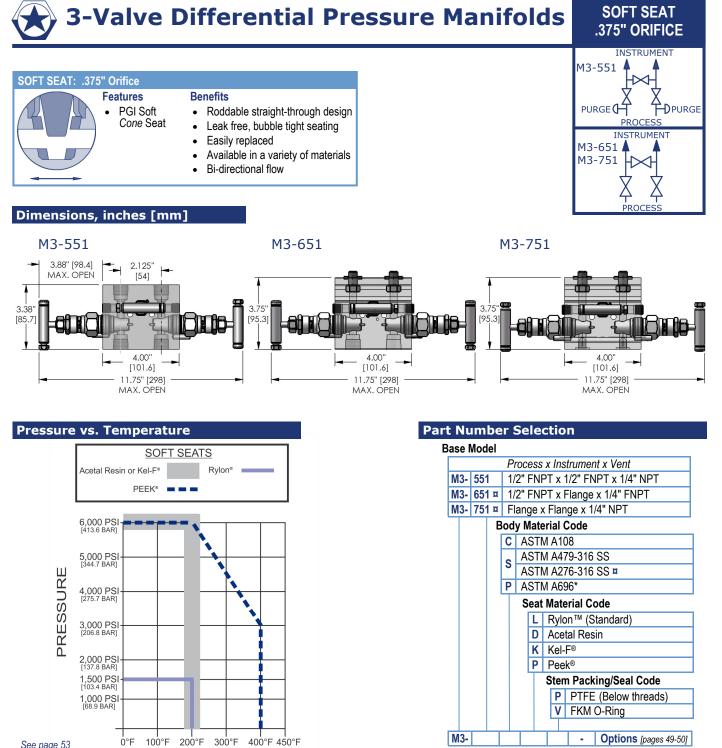


Materials of C	Construction		
Part	Carbon Steel	A696 Carbon Steel*	316 Stainless Steel
Body / Bonnet	ASTM A108	ASTM A696 Gr.C	ASTM A479-316 ASTM A276-316 ¤
Packing "P" / "V"	PTFE/FKM O-Ring	PTFE/FKM O-Ring	PTFE/FKM O-Ring
Stem	ASTM A479-316	ASTM A479-316	ASTM A479-316
Packing Adjuster	ASTM A696 Gr.C	ASTM A696 Gr.C	ASTM A479-316
Packing Follower	ASTM A479-316	ASTM A479-316	ASTM A479-316
Jam Nut (TFE Packed Only)	ASTM A696 Gr.C	ASTM A696 Gr.C	ASTM A582-303
Handle Assembly	ASTM A108	ASTM A108	300 Series SS

Max Cv R	atings
.187" Orifice	Straight Body Style
inter chinee	.83
Approx. Manifo	ld Weight:
4.20 lbs. [1.90 k	g] ea. (M-501)
5.20 lbs. [2.35 k	g] ea. (M-651)
5.70 lbs. [2.58 k	g] ea. (M-751)
* Barstock equiv	alent of ASTM A105

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
- Carbon Steel Weld End Connection Bodies are ASTM A696 Gr.C



See page 53 for more press/ temp details.

PROCESS TEMPERATURE

[93.3°C] [148.8°C] [204.4°C] [232.2°C]

[17.7°C] [37.7°C]

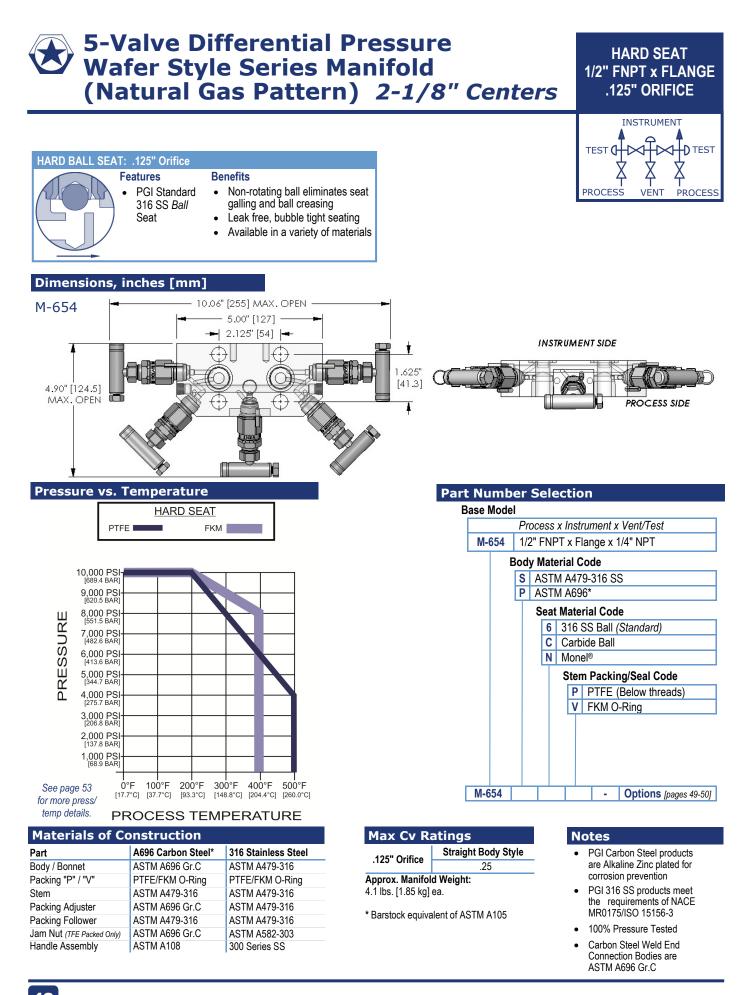
Materials of C	Construction		
Part	Carbon Steel	A696 Carbon Steel*	316 Stainless Steel
Body / Bonnet	ASTM A108	ASTM A696 Gr.C	ASTM A479-316 ASTM A276-316 ¤
Packing "P" / "V"	PTFE/FKM O-Ring	PTFE/FKM O-Ring	PTFE/FKM O-Ring
Stem	ASTM A479-316	ASTM A479-316	ASTM A479-316
Packing Adjuster	ASTM A696 Gr.C	ASTM A696 Gr.C	ASTM A479-316
Packing Follower	ASTM A479-316	ASTM A479-316	ASTM A479-316
Jam Nut (TFE Packed Only)	ASTM A696 Gr.C	ASTM A696 Gr.C	ASTM A582-303
Handle Assembly	ASTM A108	ASTM A108	300 Series SS

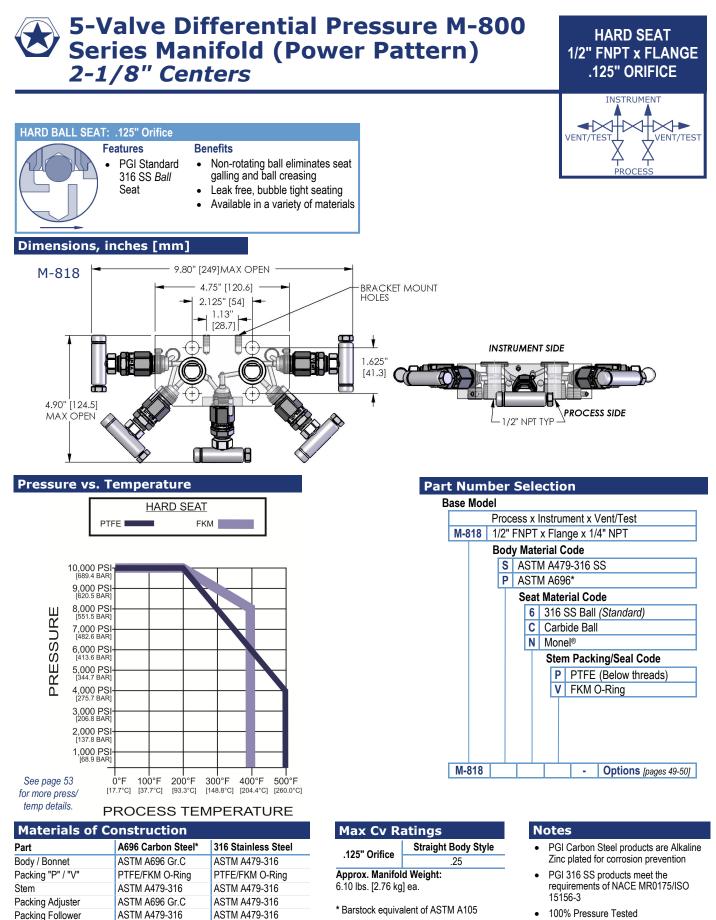
.375" Orifice	Straight Body Style
	2.4
Approx. Mani	fold Weight:
9.00 lbs. [4.08	kg] ea. (M-500)
7.00 lbs. [3.17	kg] ea. (M-650)
7.60 lbs. [3.44	kg] ea. (M-750)

* Barstock equivalent of ASTM A105

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
- Carbon Steel Weld End Connection Bodies are ASTM A696 Gr.C





Carbon Steel Weld End Connection Bodies are ASTM A696 Gr.C

ASTM A696 Gr.C

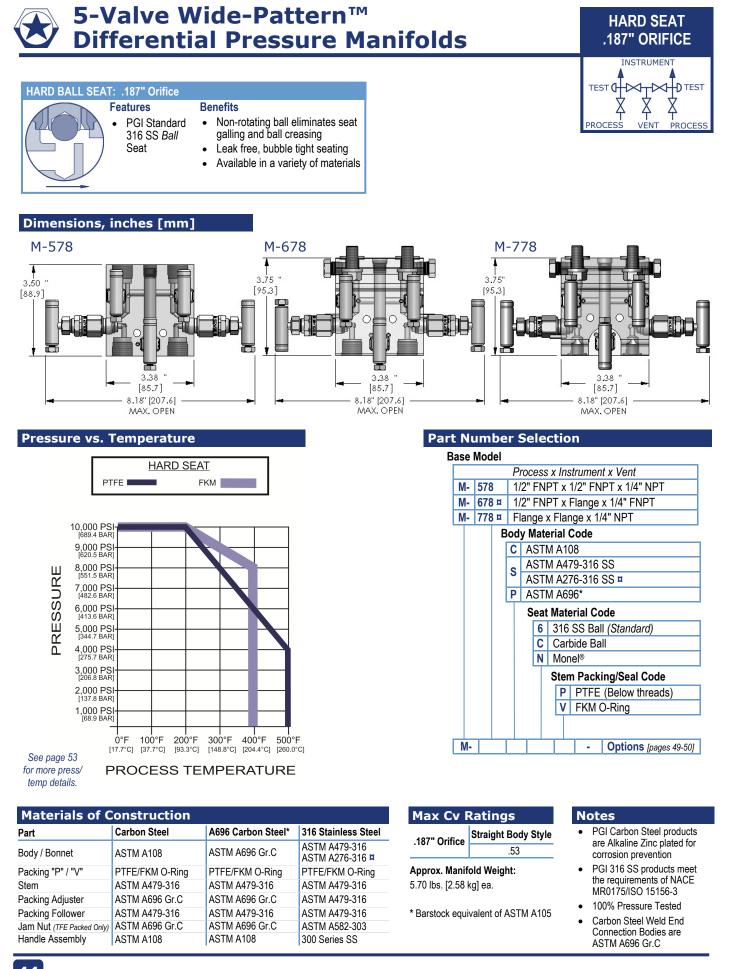
ASTM A108

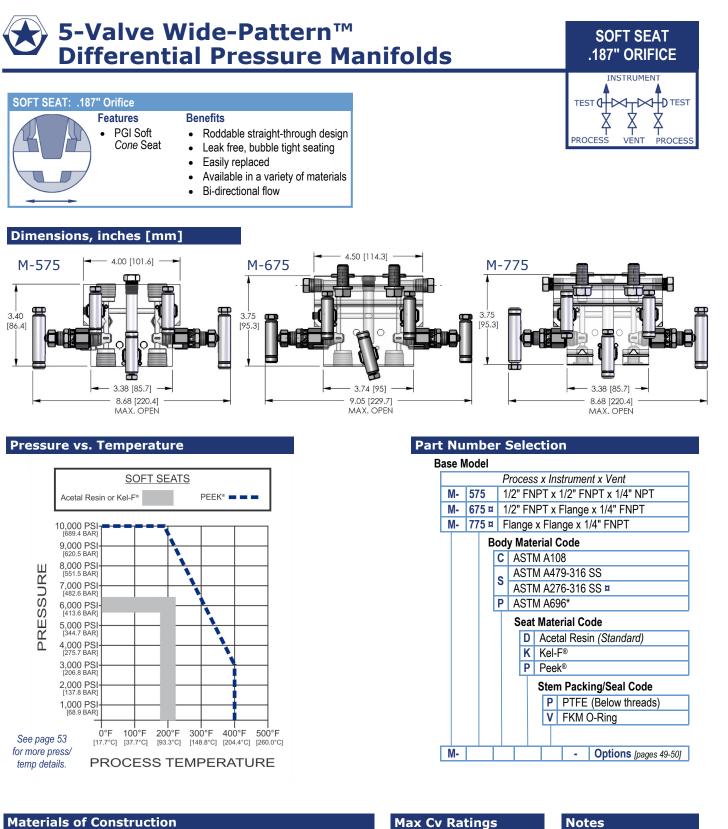
ASTM A582-303

300 Series SS

Jam Nut (TFE Packed Only)

Handle Assembly

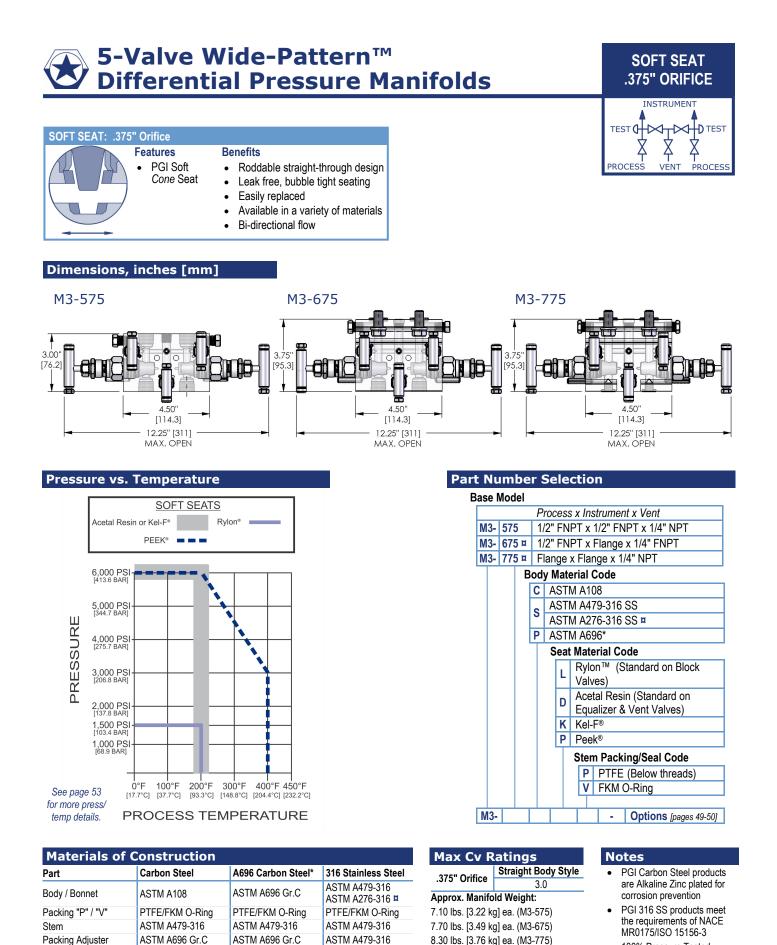




Materials of C	Construction			Max
Part	Carbon Steel	A696 Carbon Steel*	316 Stainless Steel	4070 0
Body / Bonnet	ASTM A108	ASTM A696 Gr.C	ASTM A479-316 ASTM A276-316 ¤	.187" 0
Packing "P" / "V"	PTFE/FKM O-Ring	PTFE/FKM O-Ring	PTFE/FKM O-Ring	Approx.
Stem	ASTM A479-316	ASTM A479-316	ASTM A479-316	4.30 lbs.
Packing Adjuster	ASTM A696 Gr.C	ASTM A696 Gr.C	ASTM A479-316	6.30 lbs.
Packing Follower	ASTM A479-316	ASTM A479-316	ASTM A479-316	7.00 lbs.
Jam Nut (TFE Packed Only)	ASTM A696 Gr.C	ASTM A696 Gr.C	ASTM A582-303	
Handle Assembly	ASTM A108	ASTM A108	300 Series SS	

.187" Orifice	Straight Body Style
.ior onnoc	.83
Approx. Manifo	old Weight:

- 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
- Carbon Steel Weld End Connection Bodies are ASTM A696 Gr.C



* Barstock equivalent of ASTM A105

ASTM A479-316

ASTM A582-303

300 Series SS

Packing Follower

Handle Assembly

Jam Nut (TFE Packed Only)

ASTM A479-316

ASTM A696 Gr.C

ASTM A108

ASTM A479-316

ASTM A696 Gr.C

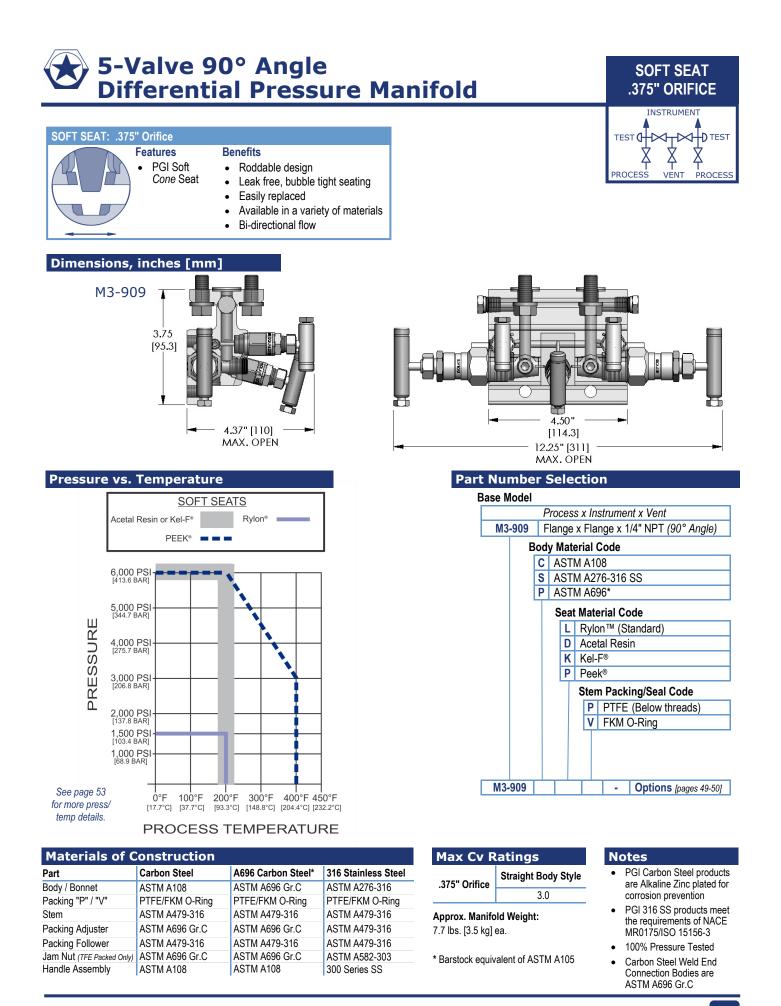
ASTM A108

100% Pressure Tested

Carbon Steel Weld End

Connection Bodies are

ASTM A696 Gr.C





M-505	С	D	Р	-							
Add Options in Alpha Numeric Order											

Add Options in Alpha-Numeric Order

Consult Factory to Verify that Options are Available with the Specific Model Number(s) Chosen

	OPTIONS
OPTION CODE	DESCRIPTION
AB	INTEGRAL TUBE FITTING - PARKER A-LOK WELDED IN COMPRESSION FITTING
AM7	MALE PIPE SOCKET WELD - INLET ONLY (Process Ports)
AP	FEMALE PIPE SOCKET WELD INLET & OUTLET
AP7	FEMALE PIPE SOCKET WELD INLET ONLY (Process Ports)
AP8	FEMALE PIPE SOCKET WELD OUTLET ONLY
AS	6" TUBE STUB INLET & OUTLET
AS7	6" TUBE STUB INLET ONLY
AU	INTEGRAL PARKER A-LOK INLET & OUTLET
AU7	1/2" INTEGRAL TUBE FITTING - PARKER A-LOK DUAL FERRULES INLET ONLY (Process Ports)
AY	INTEGRAL PARKER CPI INLET & OUTLET
AY7	INTEGRAL PARKER CPI INLET ONLY
B1	BLEED VALVE INSTALLED BALL SEAT A7-521 (1/4") OR A7-520 (1/2")
B2	BLEED VALVE INSTALLED BLEED TEE STYLE A7-528 (1/4") or A7-529(1/2")
B3XX	MINI BLEED VALVE INSTALLED V-585 STYLE XX = SEAT AND SEAL CODE ON V-585
B4	BLEED VALVE INSTALLED MINI HEX STYLE A7-525 (1/4") or A7-526 (1/2")
B5	BLEEDER VALVE 1/4" NPT INSTALLED IN VENT PORT (BV10N2)
B6	BLEEDER VALVE 1/2" NPT INSTALLED IN VENT PORT (BV10N4)
GA	ANTI-TAMPER BONNET (ALL POSITIONS)
GC	ANTI-TAMPER BONNET (ISOLATION VALVE ONLY)
GD	ANTI-TAMPER BONNET (EQUALIZER VALVE ONLY)
GE	ANTI-TAMPER BONNET (VENT VALVE ONLY)
GJ	BONNET LOCK OUT (ALL POSITIONS - LOCK NOT PROVIDED)
GK	BONNET LOCK OUT (ISOLATION VALVE ONLY- LOCK NOT PROVIDED)
GL	BONNET LOCK OUT (EQUALIZER or SECONDARY POSITION - LOCK NOT PROVIDED)
GM	BONNET LOCK OUT (VENT VALVE ONLY - LOCK NOT PROVIDED)
HCB	2" BLOCK VALVE HANDLES CS FOR USE WITH DP TO DP ADAPTER PLATE (HANDLE CLEARS ADAPTER BAR)
HSB	2" BLOCK VALVE HANDLES 316 SS FOR USE WITH DP TO DP ADAPTER PLATE (HANDLE CLEARS ADAPTER BAR)
H3EV	1.5" CS HANDLES ON EQUALIZER & VENT VALVES WIDE PATTERN 5 VALVE MANIFOLDS (2" STANDARD)
H4EV	1.5" SS HANDLES ON EQUALIZER & VENT VALVES WIDE PATTERN 5 VALVE MANIFOLDS (2" STANDARD)
H5	CS MINI ROUND HANDLES
H6	SS MINI ROUND HANDLES
H7	CS MINI "T" / BAR HANDLE
H8	SS MINI "T" / BAR HANDLE
IEC	IEC INSTRUMENT FLANGE SEAL(S) & BOLT HOLES (DERATES MANIFOLD TO 6,000 PSI MAX PRESSURE)
M1	PANEL MOUNT NUT
M7	REQUIRED SLOTTING FOR ROSEMOUNT 1151 TRANSMITTERS SERIES 6 & 7 (FLANGE MANIFOLDS ONLY)
MA	VERSA-MOUNT BRACKET HOLES

Options Continued on Next Page ------



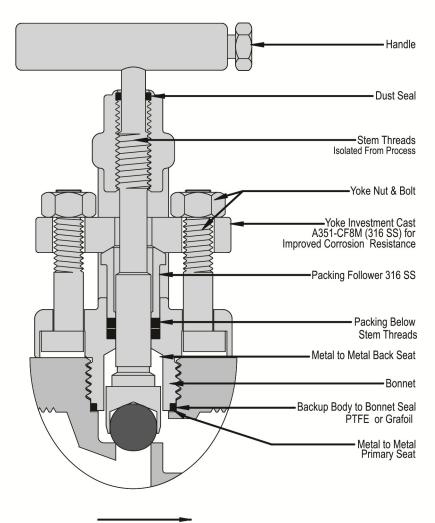
M-505 C D P -

Add Options in Alpha-Numeric Order

Consult Factory to Verify that Options are Available with the Specific Model Number(s) Chosen

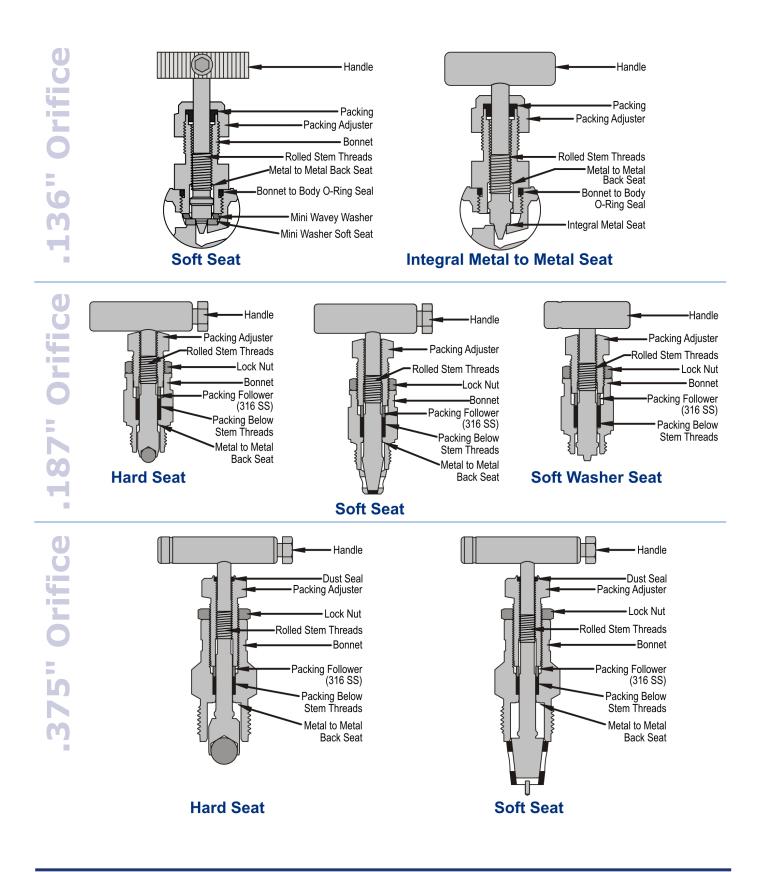
	OPTIONS
OPTION CODE	DESCRIPTION
ME	SLOTTED INSTRUMENT FLANGE BOLT HOLES WHEN USING BOLT LENGTHS OVER 3"
MF	IEC FLANGE SEALS ONLY
MH	FKM O-RING FLANGE SEALS (FLANGE MANIFOLDS ONLY)
MJ	FKM O-RING FLANGE SEALS (AK-003/079-CO ONLY)
MN	DIELECTRIC ISOLATION (AK SERIES ADAPTERS AND CONNECTORS)
MT	TAYLOR INSTUMENT FLANGE SEALS
MY	DIELECTRIC ISOLATION (FLANGE MANIFOLDS ONLY)
MZ	DIELECTRIC ISOLATION (WAFER MANIFOLDS ONLY)
P1	PURGE / TEST LINE FITTING(S) - MUST INCLUDE LOCATION OPTION PB, PS OR PT (I.E. PBP1, PSP1, PTP1)
P4	(2) 1/4" VENT / TEST PORTS (BOTTOM)
P9	NPT HEX HEAD PIPE PLUG IN VENT / TEST PORT
PB	(2) 1/4" CONSTANT PURGE PORTS WITH PLUGS (BOTTOM)
PS	(2) 1/4" CONSTANT PURGE PORTS WITH PLUGS (SIDE)
PT	(2) 1/4" CONSTANT PURGE PORTS WITH PLUGS (TOP)
S1	MONEL STEM MATERIAL
ST	THROTTLING STEM TIP (CARBIDE STANDARD)
TC	STEAM TRACE BLOCK - CARBON STEEL
TH	HYDROSTATIC TESTING
TS	STEAM TRACE BLOCK - STAINLESS STEEL
VA	BRACKET SPACER FOR FLANGE TO FLANGE MANIFOLDS - 316 SS ONLY; REQUIRES A BRACKET OPTION ADD "A" TO END OF BRACKET PART NUMBERS BELOW = VCA, VCHA, VSA or VSHA
VC	CS VERSA MOUNT BRACKET
VCH	CS HEAVY DUTY VERSA MOUNT BRACKET
VS	316 SS VERSA MOUNT BRACKET
VSH	316 SS HEAVY DUTY VERSA MOUNT BRACKET
VMC	MANIFOLD BRACKET KIT (L STYLE) CARBON STEEL
VMS	MANIFOLD BRACKET KIT (L STYLE) 316 STAINLESS STEEL
W	SAFETY BONNET LOCK PLATE
W1	316 SS TAG (20 CHARACTERS)
W9	316 SS STANDARD LENGTH BOLTS
WA	CS 2-1/4" BOLTS FOR ROSEMOUNT 3051C OR 2024 WITH COPLANAR FLANGE MANIFOLD ONLY
WAW9	316 SS 2-1/4" BOLTS FOR ROSEMOUNT 3051C OR 2024 WITH COPLANAR FLANGE MANIFOLD ONLY
X3	(2) 1/4" TEST PORTS ON INSTRUMENT FLANGE ON INSTRUMENT FLANGE (FLANGE MANIFOLDS ONLY)
X8	GRAFOIL FLANGE SEALS (NOT AVAILABLE WITH MN OPTION)
XL	CLEAN FOR CRITICAL SERVICE (OXYGEN OR CHLORINE)
XS	SPECIAL STAMPING
XV	MANIFOLD MOUNTED TO CUSTOMERS TRANSMITTER AND PRESSURE TESTED
Y	OS & Y BONNET





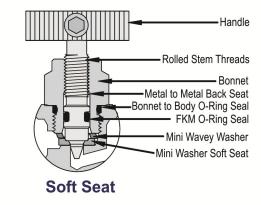
CODE P

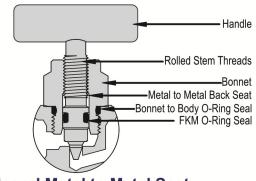




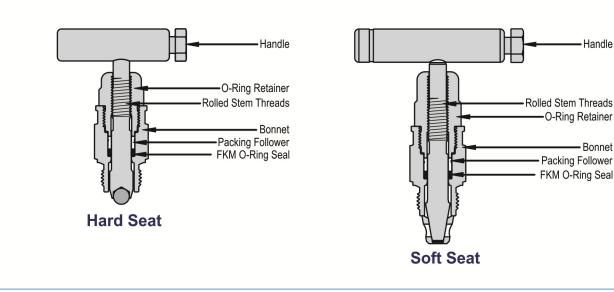


.136" Orifice

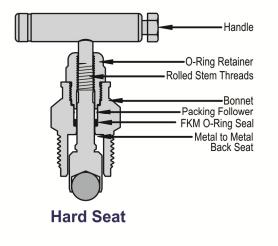


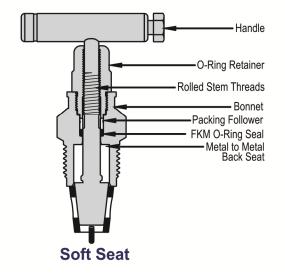






375" Orifice







	STANDARD BODY MATERIAL CODES							
CODE DESCRIPTION PRESSURE & PROCESS TEMPERATURE LIMITS								
S	ASTM A479-316 Stainless Steel	10,000 PSI Max. @ 200° to -100°F Min. 1,500 PSI Max. @ 1,000° F Max.	689 bar Max. @ 93° to -73° C Min. 103 bar Max. @ 538° C Max.					
С	ASTM A108 Carbon Steel	10,000 PSI Max. @ 200° to -20°F Min. 1,500 PSI Max. @ 500° F Max.	689 bar Max. @ 93° to -29° C Min. 103 bar Max. @ 260° C Max.					
Ρ	ASTM A696 Gr. C Carbon Steel* (* Barstock equivalent of ASTM A105)	10,000 PSI Max. @ 200° to -20°F Min. 1,500 PSI Max. @ 800° F Max.	689 bar Max. @ 93° to -29° C Min. 103 bar Max. @ 427° C Max.					
Т	ASTM A395 GR 60-40-18 Ductile Iron	3,000 PSI Max. @ 200° to -20°F Min. 1,500 PSI Max. @ 650° F Max.	207 bar Max. @ 93° to -29° C Min. 103 bar Max. @ 343° C Max.					

STANDARD STEM SEAL MATERIAL CODES							
CODE	DESCRIPTION	ORIFICE SIZES	PRESSURE & PROCESS TEMPERATURE LIMITS				
P PTFE Packed Style		.187" .250"	10,000 PSI Max. @ 200° to -80°F Min. 4,000 PSI Max. @ 500° F Max.	689 bar Max. @ 93° to -62° C Min. 276 bar Max. @ 260° C Max.			
1		.375"	6,000 PSI Max. @ 200° to -40°F Min. 4,000 PSI Max. @ 500° F Max.	414 bar Max. @ 93° to -40° C Min. 276 bar Max. @ 260° C Max.			
Т	T Mini PTFE Packed .		6,000 PSI Max. @ 200° F Max. to -80°F Min. 4,000 PSI Max. @ 450° Max.	414 bar Max. @ 93° C Max. to -62° C Min. 276 bar Max. @ 232° C Max.			
V	FKM O-Ring	.187" .250"	10,000 PSI Max. @ 200° to -15°F Min. 8,000 PSI Max. @ 400° F Max.	689 bar Max. @ 93° to -26° C Min. 552 bar Max. @ 204° C Max.			
V		.375"	6,000 PSI Max. @ 200° F Max. to -15°F Min. 4,000 PSI Max. @ 400° Max.	414 bar Max. @ 93° C Max. to -40° C Min. 276 bar Max. @ 204° C Max.			

	STANDARD SOFT SEAT MATERIAL CODES							
CODE	DESCRIPTION	ORIFICE SIZES	PRESSURE & PROCESS TEMPERATURE					
L	Rylon™ Cone	.375"	1,500 PSI Max. @ 200° F Max. to -40°F Min.	103 bar Max. @ 93° C Max. to -40° C Min.				
	Acetal Resin & Kel-F [®] Cone	.187" .250" .375"	6,000 PSI Max. @ 200° F Max. to -40°F Min.	414 bar Max. @ 93° C Max. to -40° C Min.				
D&K	Acetal Resin & Kel-F [®] Wash- er	.136"	3,000 PSI Max. @ 200° F Max. to -40°F Min.	207 bar Max. @ 93° C Max. to -40° C Min.				
	PEEK [®] Cone	.187" .250"	10,000 PSI Max. @ 200° to -40°F Min. 3,000 PSI Max. @ 400° F Max.	689 bar Max. @ 93° to -40° C Min. 207 bar Max. @ 204° C Max.				
Р		.375"	6,000 PSI Max. @ 200° to -40°F Min. 3,000 PSI Max. @ 400° F Max.	414 bar Max. @ 93° C Max. to -40° C Min. 207 bar Max. @ 204° C Max.				
	PEEK [®] Washer	.136"	6,000 PSI Max. @ 200° to -40°F Min. 3,000 PSI Max. @ 400° F Max.	414 bar Max. @ 93° to -40° C Min. 207 bar Max. @ 204° C Max.				
т	PTFE Washer	.136"	1,000 PSI Max. @ 200° to -80°F Min. 500 psi Max. @ 450° F Max.	69 bar Max. @ 93° to -62° C Min. 34 bar Max. @ 232° C Max.				
Т	PTFE Cone	.187" .250" .375"	1,000 PSI Max. @ 200° to -80°F Min. 500 psi Max. @ 450° F Max.	69 bar Max. @ 93° to -62° C Min. 34 bar Max. @ 232° C Max.				

	STANDARD HARD SEAT MATERIAL CODES							
CODE	DESCRIPTION	ORIFICE SIZES	PRESSURE & PROCESS TEMPERATURE					
С	Carbide Ball							
6	316 SS Ball	.187"	10,000 PSI Max. @ 1,000° F Max. to -100°F Min.	689 bar Max. @ 538° C Max. to -73° C Min.				
Ν	Monel [®] Ball							
М	Integral Metal to Metal Seat	.136" .187"	See Pressure & Temperature of Body and Stem Seal Materials.					
С	Carbide Ball							
6	316 SS Ball	.375"	6,000 PSI Max. @ 1,000° F Max. to -100°F Min.	414 bar Max. @ 538° C Max. to -73° C Min.				
Ν	Monel [®] Ball							

.375" ORIFICE SEATS						
PART NO.	DESCRIPTION					
SP3-007-R1	Kel-F [®] Cone Seat					
SP3-007-R2	PEEK [®] Cone Seat					
SP3-007-R4	Acetal Resin Cone Seat					
SP3-007-R8	Rylon™ Cone Seat					

Note:

Handle included in all Bonnet Assemblies.

* Barstock equivalent of ASTM A105.

.375" ORIFICE SOFT SEAT BONNET ASSEMBLIES						
PART NO.	BONNET PACKING/ SEAL	SEAT	BONNET MATERIAL	PACKING/SEAL CODE		
SAV300P-V-HH	FKM		A696 Gr.C	V		
SAV301P-P-HH	PTFE Below Threads	Soft Cone	Carbon Steel*	Р		
SAV300S-V-HH	FKM	Soll Colle	NACE 316 SS	V		
SAV301S-P-HH	PTFE Below Threads		NACE 310 33	Р		
	Note: Seats a	re ordered sep	parately.			
.37	5" ORIFICE HARD BAL	L SEATS BO	NNET ASSEMBL	.IES		
PART NO.	BONNET PACKING/ SEAL	SEAT	BONNET MATERIAL	PACKING/SEAL CODE		

Note: Soft Seats are ordered separately.							
.375" ORIFICE SOFT SEAT BONNET ASSEMBLIES							
PART NO. BONNET PACKING/ SEAL SEAT BONNET PACKING/SEAL MATERIAL CODE							
SAV300P-V-HH	FKM		A696 Gr.C	V			
SAV301P-P-HH	PTFE Below Threads	Soft Cone	Carbon Steel*	Р			
SAV300S-V-HH	FKM	Soll Colle		V			
SAV301S-P-HH PTFE Below Threads NACE 316 SS P							
Note: Seats are ordered separately.							
37	5" ORIFICE HARD BAL	SEATS BO	NNET ASSEMBL	IES			

316 SS

Ball

Note: Seats are Integral to the Bonnet Assembly.

PART NO.	BONNET PACK SEAL	ING/	SEAT	BONNET	PACKING/SEAL CODE		
SAV193P-V-HH	FKM			A696 Gr.C	V		
SAV185P-P-HH	PTFE Above Thr	eads	Soft Cone	Carbon Steel*	Р		
SAV193S-V-HH	FKM		Solit Colle	NACE 316 SS	V		
SAV185S-P-HH	PTFE Above Thr	eads		NACE 310 33	Р		
	Note: Soft Seats are ordered separately.						
	.187" ORI	FICE B	ONNET ASS	EMBLIES			
PART NO.	BONNET PACKING/SEAL	SEAT	BONNE	T MATERIAL	PACKING/ SEAL CODE		
SAV127L-P-H3		Soft	PTFE Pac	cked 1016/1018	Р		
SAV127P-P-H3	PTFE Above Threads	Washe	A696 Gr.	C Carbon Steel*	Р		
SAV127S-P-H4	meaus	vvdSile	" NAC	CE 316 SS	Р		

e Integral to the Bonnet Assembly. **.187" ORIFICE BONNET ASSEMBLIES**

PART NO.	DESCRIPTION	PART NO.	BONNET PACKING /
SP3-003-R1	Kel-F [®] Cone Seat	TANTINO.	SEAL
SP3-003-R2	PEEK [®] Cone Seat	SAV182P6V-HC	FKM
SP3-003-R4	Acetal Resin Cone Seat	SAV166P6P-HC	PTFE Below Threads
		SAV182S6V-HS	FKM
		SAV166S6P-HS	PTFE Below Threads
			Note: Seats are Inter

SAV107C-T-H7

SAV107S-T-H6

SAV107S-T-H8

10020110		
P5-020-R1	Mini Kel-F [®] Seat	SP7-025-C0
P5-020-R2	Mini Acetal Resin Seat	
P5-020-R3	Mini PEEK [®] Seat	
P7-024-C0	Wavey Washer	PART NO.
		SAV106C-V-H5
.136"	SAV106C-V-H7	
PART NO.	DESCRIPTION	SAV106S-V-H6
SAV-001-10	Round Handle - Carbon Steel	SAV106S-V-H8
SAV-002-10	Bar Handle - Carbon Steel	SAV107C-T-H5
041/00040		0

Bar Handle - Stainless Steel

Round Handle - Stainless Steel

.136" ORIFICE BONNET PACKING								
PART NO.	DESCRIPTION			PACKIN	PACKING CODE			
SP5-019-R0	Mini Packed PTFE Seal				Т			
SP7-025-C0	Stainless Steel Backup Washer							
.136" ORIFICE MINIATURE BONNET ASSEMBLIES								
PART NO.	BONNET PACKING/SEAL	SEAT	BONNET MATERIAL	HANDLE MATERIAL	PACKING/ SEAL CODE			
SAV106C-V-H5			Carbon	Round CS				
SAV106C-V-H7	FKM		Steel	Bar CS	v			
SAV106S-V-H6		Integral	NACE	Round SS	v			

Metal or

Soft Wash-

er

Note: Soft Seats are ordered separately.

.187" ORIFICE BONNET ASSEMBLIES

SEAT

316 SS Ball

PTFE Above

Threads

BONNET PACKING/

316 SS

Carbon

Steel

NACE

316 SS

Bar SS

Round CS

Bar CS

Round SS

Bar SS

BONNET

MATERIAL

A696 Gr.C

Carbon Steel*

NACE 316 SS

BONNET

A696 Gr.C

Carbon Steel*

NACE 316 SS

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Т

PACKING/SEAL

CODE

V

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Ρ

PACKING/SEAL

87" Orifice

Lone	Star	Spare	Parts

DESCRIPTION Mini PTFE Seat

.136" ORIFICE SEATS

.187" ORIFICE SEATS

PART NO.

P5-020-R0

SAV-002-A0

SAV-100-A0

FKM

PTFE Below Threads

FKM

PTFE Below Threads

SAV300P6V-HH

SAV301P6P-HH

SAV300S6V-HH

SAV301S6P-HH

Additional Parker PGI Product Offerings

PGI Instrument Valves

Hand, Gauge, Bleed, Root and Multi-port designs. Carbon Steel, 316 SS to NACE MR0175/ISO 15156-3 and exotic materials available. Offered with our patented PTFE Pressure-Core[®] Stem Seal with an unmatched 5 year warranty.

Fugitive Emission Valves & Manifolds

Parker's patented PTFE Pressure-Core[®] Stem Seal allows us to offer a line of fugitive emission products. Controlled venting and no bonnet maintenance help create a virtually leak free line of products. Offered with our patented PTFE Pressure-Core[®] Stem Seal with an unmatched 5 year warranty.

PGI Instrument Manifolds

A complete line of Block & Bleed, Meter, Two, Three and Five Valve styles available in Carbon Steel and 316 SS to NACE MR0175/ISO 15156-3. Specialty alloys available. Offered with the patented PTFE Pressure-Core[®] Stem Seal with an unmatched 5 year warranty.

Pulsation Testing

In conjunction with the Gas Machinery Research Council (GMRC), Parker developed its patented Square Root Error (SRE) and Gauge Line Error (GLE) Testers. These products quantify the effect of pulsation on natural gas orifice measurement. In addition, Parker offers on-site testing using the latest equipment to provide a full technical report.

Engineered Products

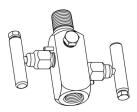
Parker offers a complete line of Gas and Liquid Composite Samplers. The Interceptor and Nova samplers are FM and CSA Approved, Intrinsically safe for Class I, Division 1, Group C and D hazardous locations, when used with an approved Parker furnished power supply. Our NOVA system samples refined liquids, dense phase CO2 and wet, dry or dirty gas. Engineered Products division also offers sample cylinders, sample probes and cylinder valves. Our Hot-Shot[™] Heated Enclosure System is designed to be used with natural gas samplers and will heat the sampling system to temperatures above the hydrocarbon dew point of the gas, assisting in the compliance of the new API Standard 14.1.

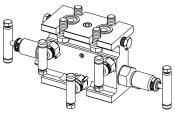
ZEUS[®] Power Systems

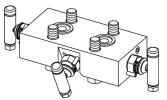
We offer efficient and reliable alternatives to solar panel systems used to power electronic instruments on gas pipelines. Parker's ThermoElectric Chargers (TEC) and Differential Pressure Chargers (DB1) both produce 12- or 24- volts of power to keep batteries fully charged. TEC is fueled by natural gas or propane, while the DB1 is powered using the differential pressure developed across a pressure regulator. Both TEC and DB1 continually monitor the battery's temperature and charge level, and charge the battery accordingly. TEC and DB1 can be used on transmitters, flow computers, AFR (Air Fuel Ratio) and communication systems on gas pipelines. The compact units excel in cold, snowy or rainy conditions, and are low-emission environmentally friendly.

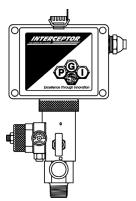
ThermoSync[®] Temperature Measurement System

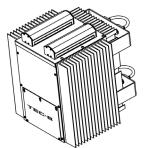
Parker's ThermoSync thermowell and optional RTD probe provide the most accurate pipeline gas temperature measurement system available. The unique patented design optimizes thermo-coupling at the RTD tip while minimizing pipe wall induced errors. Reducing pipe temperature effects on flow calculations provides greater accuracy and minimizes unaccountable errors. The ThermoSync Temperature system measures the true flowing gas temperature by including a finned thermowell with a RTD that has PVC insulation, thus reducing the transfer of outside temperature effects to the RTD.

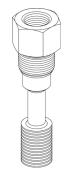












UMENTATION PRODUCTS

Instrument Valves & Manifolds Power and Steam Plant Valves & Manifolds Purge Adapters for the Process Industry

SPECIALIZED SYSTEMS

Gas & Liquid Sampling Systems Natural Gas Sampling System Heated Enclosures Sample Cylinders and Accessories

MEASUREMENT ACCURACY PRODUCTS ThermoSync[®] Thermowells & Temperature Probes

Direct-Mount[®] Systems

Square Root Error (SRE) & Gauge Line Error (GLE) Indicators **ZEUS® POWER SYSTEMS**

TEC[™] ThermoElectric Battery Chargers DB1[™] Differential Pressure Battery Chargers

ADDITIONAL PGI DIVISION PRODUCTS & SERVICES

Valve Fittings & Wellhead Components Propane and Anhydrous Ammonia Valves **Contract Machining**

Description Lone Star







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