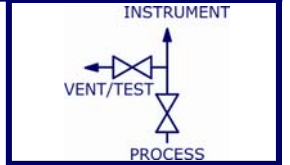




2-Valve Block & Bleed Static Pressure Manifolds

**HARD & SOFT SEAT
NPT x NPT**



SOFT "WASHER" SEATS: .136" Orifice



Features

- PGI "Washer" Seat

Benefits

- Throttling and shut-off design
- Interchangeable between soft or metal seats
- Easily replaced
- Available in a variety of materials

INTEGRAL METAL TO METAL SEAT: .136" Orifice



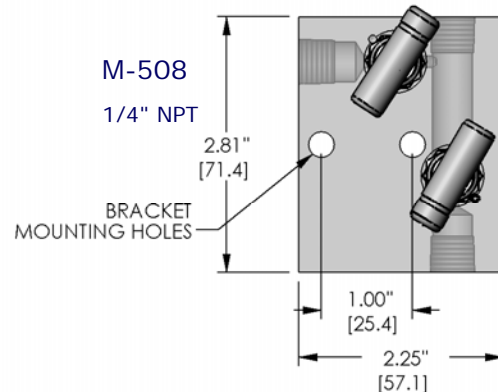
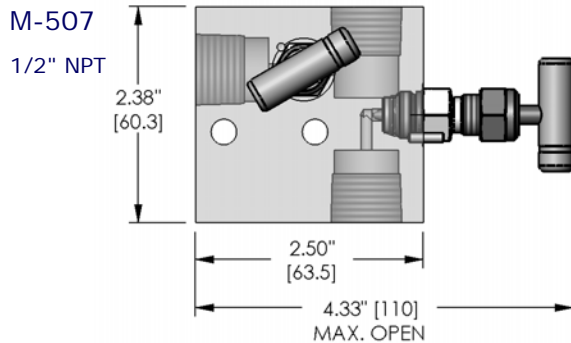
Features

- PGI Integral Metal Seat

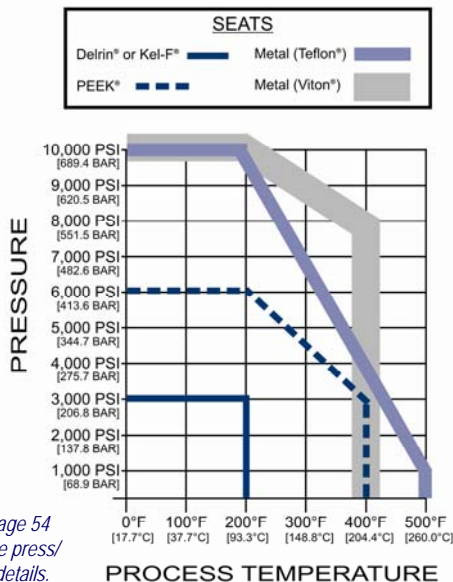
Benefits

- Throttling and shut-off design
- Interchangeable between soft or metal seats

Dimensions, inches [mm]



Pressure vs. Temperature



Part Number Selection

Base Model

		Process x Instrument x Vent
M-	507	1/2" MNPT x 1/2" FNPT x 1/2" NPT
M-	508	1/4" FNPT x 1/4" FNPT x 1/4" NPT

Body Material Code

C	ASTM A108
S	ASTM A479-316 SS

Seat Material Code

M	Integral Metal (Standard)
D	Delrin® (Standard)
K	Kel-F®
P	Peek®

Stem Packing/Seal Code

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

M- - Options [pages 49-50]

Materials of Construction

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

Max Cv Ratings

.136" Orifice	Straight Body Style
	.25 = Integral Metal Seat
	.22 = Soft Washer

Approx. Manifold Weight:
2.7 lbs. [1.22 kg] ea. (M-507)
2.4 lbs. [1.08 kg] ea. (M-508)

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

2-Valve Block & Bleed Static Pressure Manifolds

HARD SEAT
1/2" FNPT x 1/2" FNPT

HARD BALL SEAT: .187" Orifice

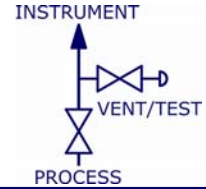


Features

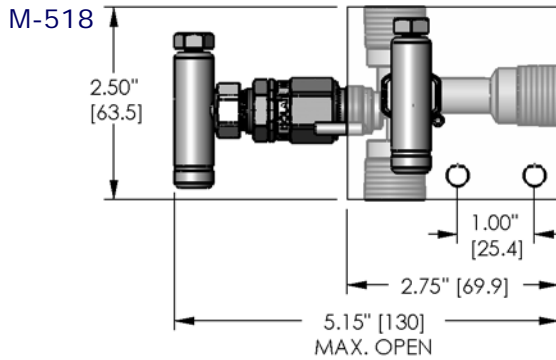
- PGI Standard 316 SS Ball Seat

Benefits

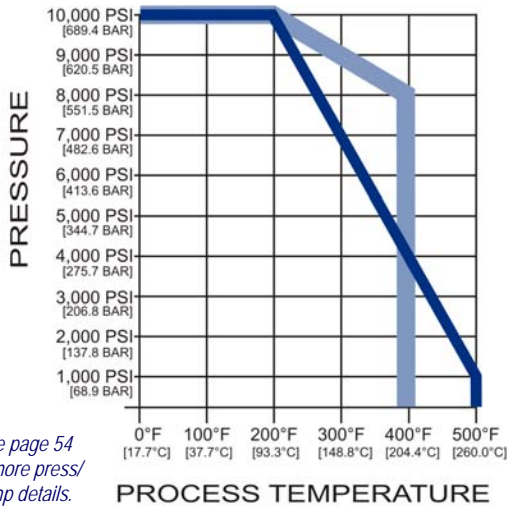
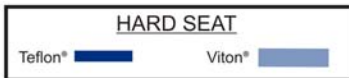
- Non-rotating ball eliminates seat galling and ball creasing
- Leak free, bubble tight seating
- Available in a variety of materials



Dimensions, inches [mm]



Pressure vs. Temperature



See page 54 for more press/ temp details.

Part Number Selection

Base Model

M-518 1/2" FNPT x 1/2" FNPT x 1/2" NPT

Body Material Code

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

Seat Material Code

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

Stem Packing/Seal Code

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

M-518 - **Options** [pages 49-50]

Materials of Construction

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

Max Cv Ratings

.187" Orifice	Straight Body Style
	.83

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

Notes

- PGI Carbon Steel products are Alkaline Zinc plated for corrosion prevention
- PGI 316 SS products meet the requirements of NACE MR0175/ISO 15156-3
- 100% Pressure Tested
- Carbon Steel Weld End Connection Bodies are ASTM A105 CS



2-Valve Block & Bleed Static Pressure Manifolds

SOFT SEAT
1/2" FNPT x 1/2" FNPT

SOFT SEAT: .187" Orifice

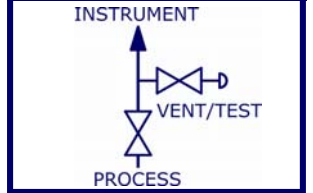


Features

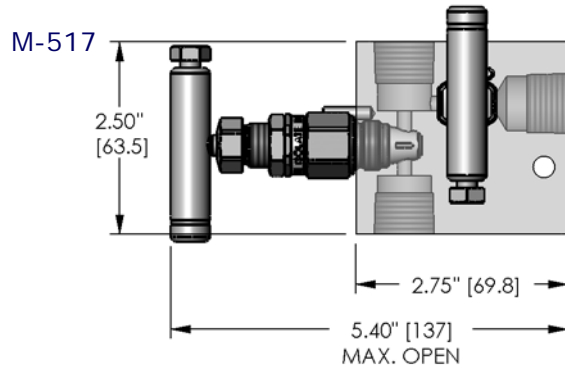
- PGI Soft Cone Seat

Benefits

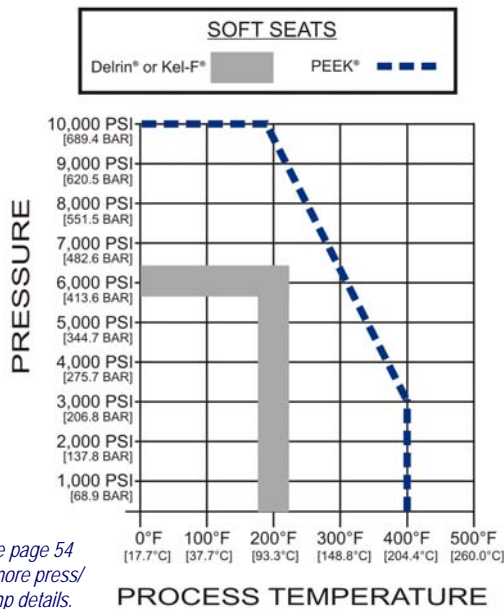
- Roddable straight-through design
- Leak free, bubble tight seating
- Easily replaced
- Available in a variety of materials
- Bi-directional flow



Dimensions, inches [mm]



Pressure vs. Temperature



Part Number Selection

Base Model

M-517 1/2" FNPT x 1/2" FNPT x 1/2" NPT

Body Material Code

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

Seat Material Code

D Delrin® (Standard)
K Kel-F®
P Peek®

Stem Packing/Seal Code

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

M-517 - Options [pages 49-50]

Materials of Construction

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

Max Cv Ratings

.187" Orifice	Straight Body Style
	.83

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

Notes

- PGI Carbon Steel products are Alkaline Zinc plated for corrosion prevention
- PGI 316 SS products meet the requirements of NACE MR0175/ISO 15156-3
- 100% Pressure Tested
- Carbon Steel Weld End Connection Bodies are ASTM A105 CS



2-Valve Block & Bleed Static Pressure Manifolds

HARD SEAT
1/2" FNPT x Flange

HARD BALL SEAT: .187" Orifice



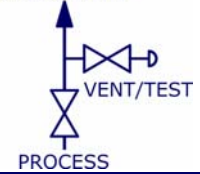
Features

- PGI Standard 316 SS Ball Seat

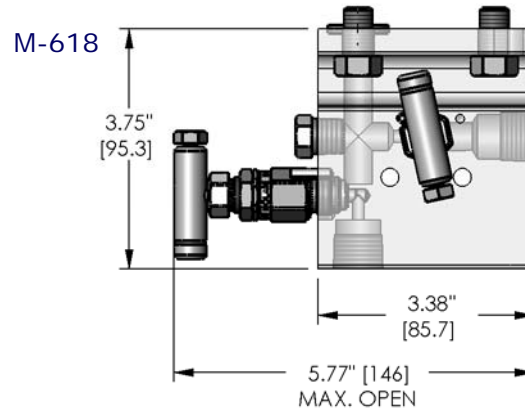
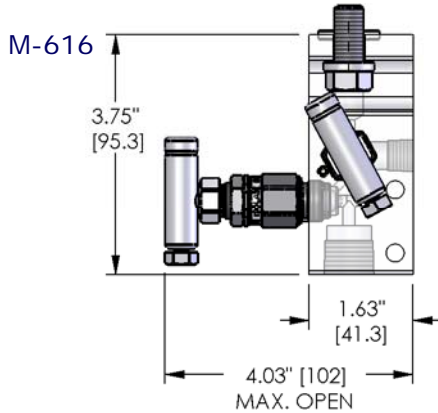
Benefits

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

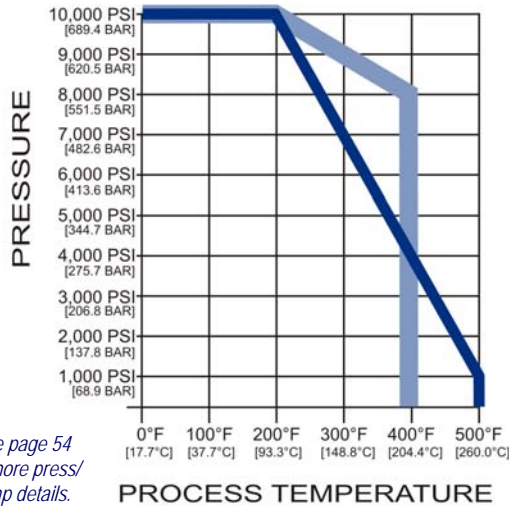
INSTRUMENT



Dimensions, inches [mm]



Pressure vs. Temperature



See page 54 for more press/ temp details.

Part Number Selection

Base Model

Process x Instrument x Vent		
M-	616	1/2" FNPT x Flange x 1/4" NPT Slim Body
M-	618	1/2" FNPT x Flange x 1/2" NPT Standard Body

Body Material Code

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

Seat Material Code

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

Stem Packing/Seal Code

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

M- - Options [pages 49-50]

Materials of Construction

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

Max Cv Ratings

.187" Orifice	Straight Body Style
	.53

Approx. Manifold Weight:
2.60 lbs. [1.17 kg] ea. (M-616)
5.00 lbs. [2.26 kg] ea. (M-618)

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 A105CS



2-Valve Block & Bleed Static Pressure Manifolds

SOFT SEAT
1/2" FNPT x Flange

SOFT SEAT: .187" Orifice

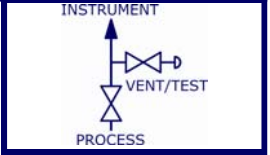


Features

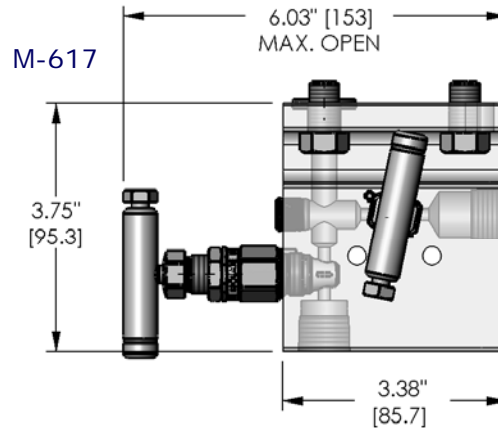
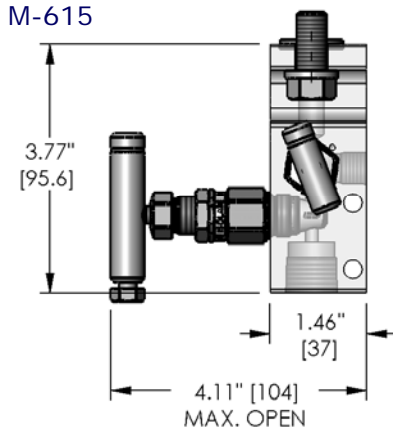
- PGI Soft Cone Seat

Benefits

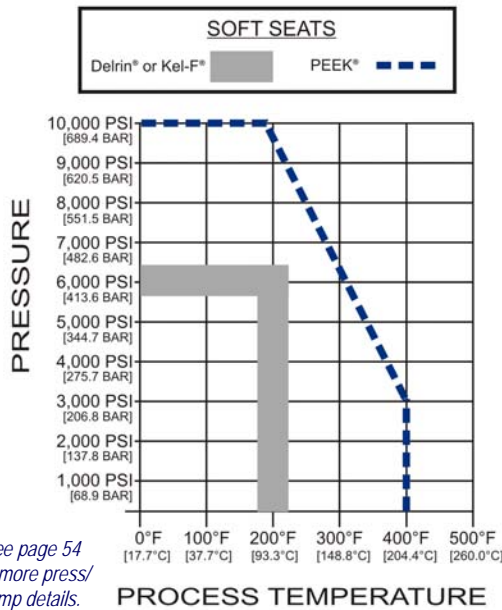
- Roddable straight-through design
- Leak free, bubble tight seating
- Easily replaced
- Available in a variety of materials
- Bi-directional flow



Dimensions, inches [mm]



Pressure vs. Temperature



See page 54 for more press/ temp details.

Part Number Selection

Base Model

Process x Instrument x Vent		
M- 615	1/2" FNPT x Flange x 1/4" NPT Slim Body	
M- 617	1/2" FNPT x Flange x 1/2" NPT Standard Body	

Body Material Code

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

Seat Material Code

D	Delrin® (Standard)
K	Kel-F®
P	Peek®

Stem Packing/Seal Code

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

M- - Options [pages 49-50]

Materials of Construction

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

Max Cv Ratings

.187" Orifice	Straight Body Style
	.83

Approx. Manifold Weight:
2.60 lbs. [1.17 kg] ea. (M-615)
5.00 lbs. [2.26 kg] ea. (M-617)

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 A105 CS



2-Valve Block & Bleed Static Pressure Manifolds

**HARD SEAT
Flange x Flange**

HARD BALL SEAT: .187" Orifice



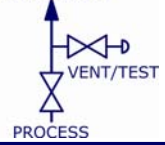
Features

- PGI Standard 316 SS Ball Seat

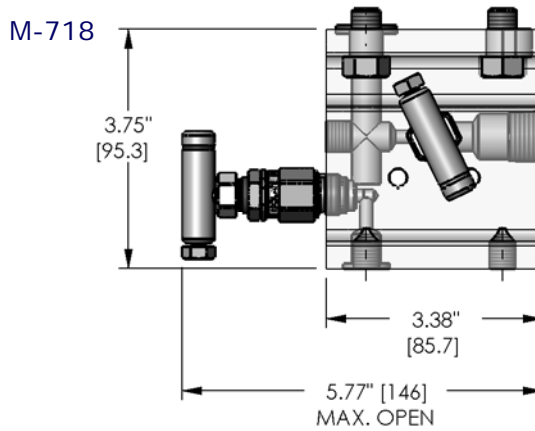
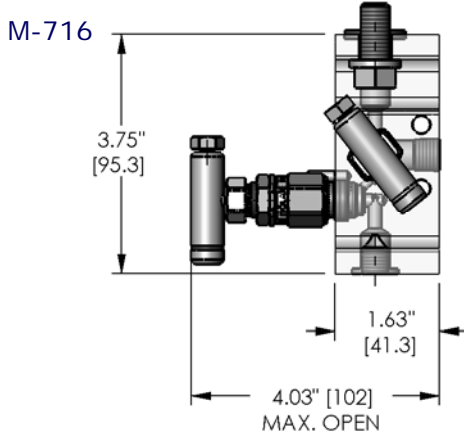
Benefits

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

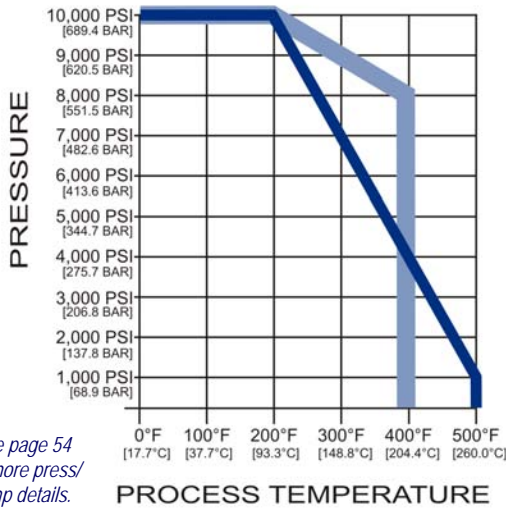
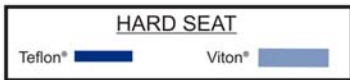
INSTRUMENT



Dimensions, inches [mm]



Pressure vs. Temperature



See page 54 for more press/ temp details.

Part Number Selection

Base Model

Process x Instrument x Vent		
M-	716	Flange x Flange x 1/4" NPT Slim Body
M-	718	Flange x Flange x 1/2" NPT Standard Body

Body Material Code

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

Seat Material Code

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

Stem Packing/Seal Code

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

M- - Options [pages 49-50]

Materials of Construction

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

Max Cv Ratings

.187" Orifice	Straight Body Style
	.53

Approx. Manifold Weight:
3.00 lbs. [1.36 kg] ea. (M-716)
5.50 lbs. [2.49 kg] ea. (M-718)

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 A105 CS

2-Valve Block & Bleed Static Pressure Manifolds

HARD SEAT
Flange x Flange

SOFT SEAT: .187" Orifice

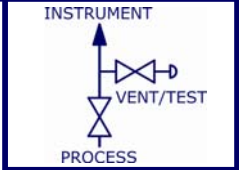


Features

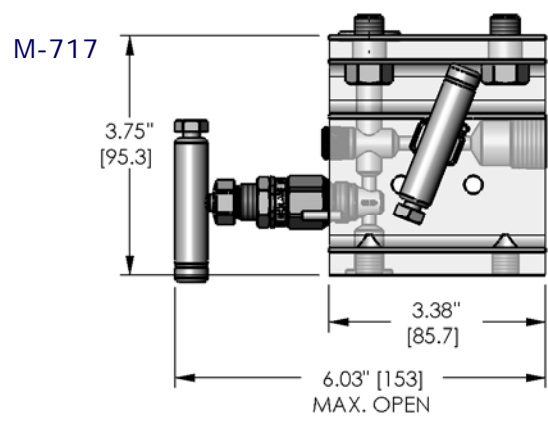
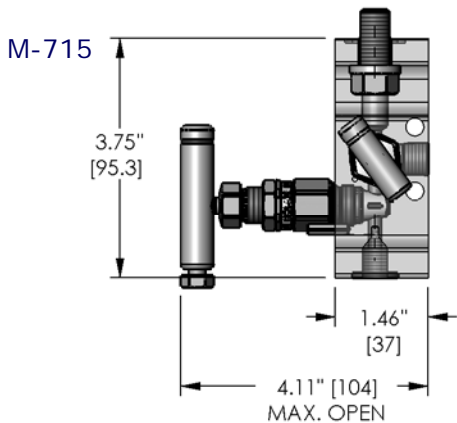
- PGI Soft Cone Seat

Benefits

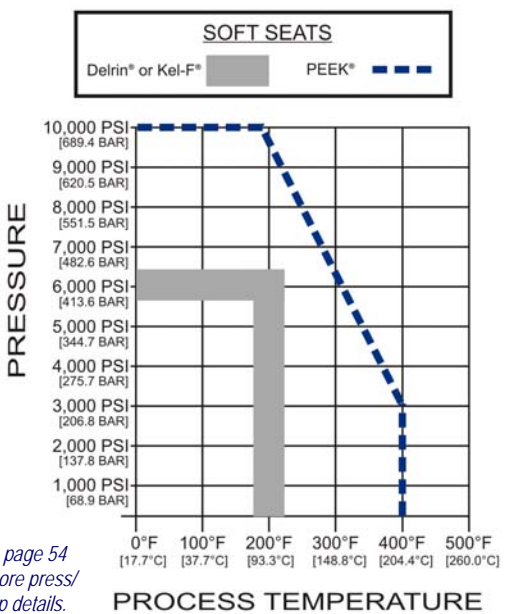
- Roddable straight-through design
- Leak free, bubble tight seating
- Easily replaced
- Available in a variety of materials
- Bi-directional flow



Dimensions, inches [mm]



Pressure vs. Temperature



See page 54 for more press/temp details.

Part Number Selection

Base Model	
<i>Process x Instrument x Vent</i>	
M- 715	Flange x Flange x 1/4" NPT Slim Body
M- 717	Flange x Flange x 1/2" NPT Standard Body
Body Material Code	
C	ASTM A108
S	ASTM A479-316 SS
P	ASTM A105 CF
Seat Material Code	
D	Delrin® (Standard)
K	Kel-F®
P	Peek®
Stem Packing/Seal Code	
P	Teflon® (Below threads)
V	Viton® O-Ring
M-	Options [pages 49-50]

Materials of Construction

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

Max Cv Ratings

.187" Orifice	Straight Body Style
	.83

Approx. Manifold Weight:
3.00 lbs. [1.36 kg] ea. (M-715)
5.50 lbs. [2.49 kg] ea. (M-717)

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 A105 CS