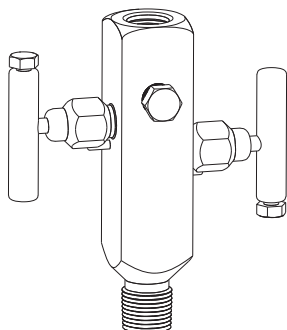


# Two-Valve Block & Bleed Manifolds

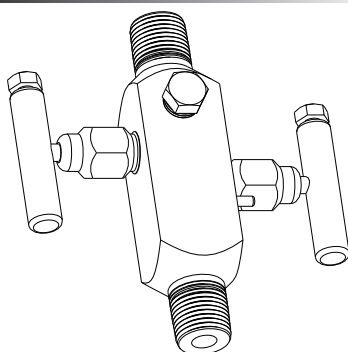
**.187" ORIFICE**

## Description

**1/2" MNPT x 1/2" FNPT**

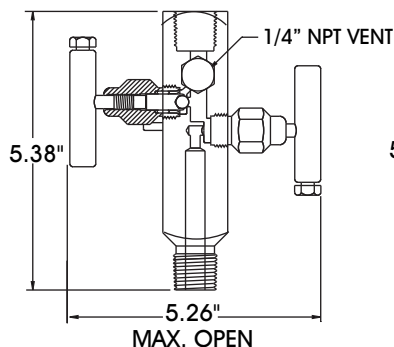


**1/2" MNPT x 1/2" MNPT**

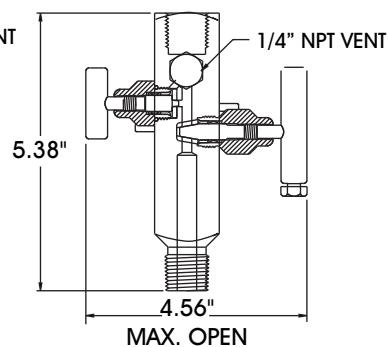


## Body Style

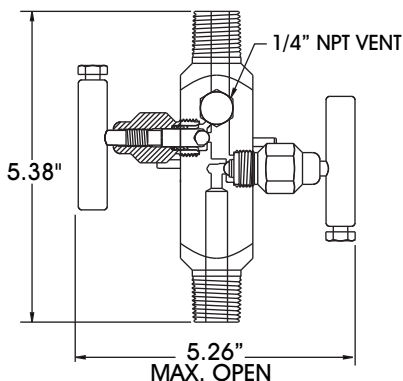
### V-570 Hard Seat



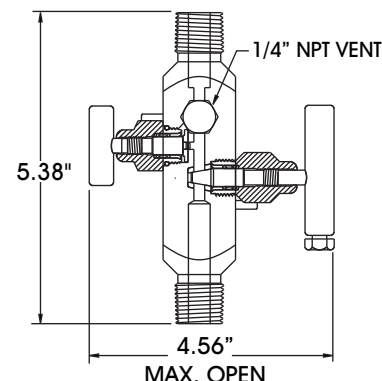
### V-575 Soft Seat



### V-612 Hard Seat



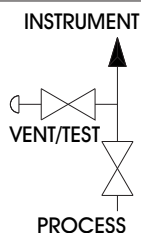
### V-613 Soft Seat



*Above drawings shown with P9 Pipe Plug Option.*

## MATERIALS OF CONSTRUCTION

SEAT	MAX Cv RATINGS
Hard Ball	.53
Soft Cone	.83
Approx. Manifold Weight: 3.0 lbs each [V-570 / 575 / 612 / 613]	



PART DESCRIPTION	CARBON STEEL	A105 CARBON STEEL	316 SS	MONEL®	HASTELLOY-C®
Body	ASTM A108-1215	ASTM A105-CF	ASTM A479-316	ASTM B164-N04405	ASTM B574-N10276
Bonnet	ASTM A108-1215	ASTM A479-316	ASTM A479-316	ASTM B164-N04405	ASTM B574-N10276
Stem	ASTM A582-303	ASTM A479-316	ASTM A479-316	ASTM B164-N04405	ASTM B574-N10276
Seal Retainer	ASTM A479-316	ASTM A479-316	ASTM A479-316	ASTM B164-N04405	ASTM B574-N10276
Handle Assembly	ASTM A108	ASTM A108	ASTM A582 (18-8)	ASTM A582 (18-8)	ASTM A582 (18-8)
Plug(s)	ASTM A108-1215	ASTM F593 (18-8)	ASTM A182-F (18-8)	ASTM B164-N04405	ASTM B574-N10276

- Carbon Steel Manifolds are Zinc Cobalt Plated with Dichromate Dip
- 316 SS Manifolds Meet NACE MR0175 Requirements (Latest Revision)
- 100% Pressure Tested
- Carbon Steel Weld End Connection Bodies are AISI 1018

# Two-Valve Block & Bleed Manifolds

**.187" ORIFICE**

**TWO-VALVE BLOCK & BLEED MANIFOLDS**

## ORDERING INFORMATION

BODY STYLE	BODY CODE	SEAT CODE	STEM SEAL CODE	OPTION CODES				
Hard Seat								
V - 5 7 0				-				
V - 6 1 2				-				
Soft Seat								
V - 5 7 5				-				
V - 6 1 3				-				

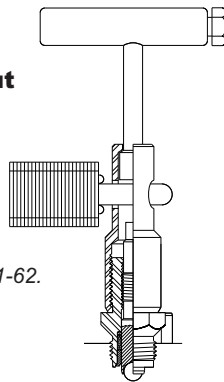
BODY CODE		
[Std.] Carbon Steel	<b>C</b>	
A105 Carbon Steel	<b>P</b>	
[Std.] 316 SS	<b>S</b>	
Monel®	<b>M</b>	
Hastelloy-C®	<b>H</b>	

HARD SEAT CODE		SOFT SEAT CODE	
[Std.] Carbide Ball	<b>C</b>	<b>D</b>	Delrin® Cone / Washer [Std.]
Ceramic Ball	<b>R</b>	<b>K</b>	Kel-F® Cone / Washer
316 SS Ball	<b>6</b>	<b>P</b>	PEEK® Cone / Washer
Hastelloy-C® Ball	<b>H</b>	<b>T</b>	Teflon® Cone / Washer
K-Monel® Ball	<b>N</b>	<b>Z</b>	Tefzel Cone / Washer

STEM SEAL CODE	
[Std.] Teflon® Pressure-Core™	<b>T</b>
Grafoil® Packed	<b>G</b>
Teflon® Packed [Hard Seat Only]	<b>P</b>
Viton® O-Ring	<b>V</b>
Low-Temp Pressure-Core™	<b>J</b>

## OPTIONS

- **Bonnet Handle Lock-Out**
- Bonnet Lock Plates



See Options/Accessories Pages 61-62.

OPTION CODE	OPTION DESCRIPTION
AM7	1/2" Male Pipe Socket Weld (Process Port)
GA	Anti-Tamper Bonnet (All Positions - Hard Seats Only)
GC	Anti-Tamper Bonnet (Isolate Valve Only)
GE	Anti-Tamper Bonnet (Vent Valve Only - Hard Seats Only)
GJ	Bonnet Lock-Out (All Positions - Lock Not Provided - Hard Seats Only)
GK	Bonnet Lock-Out (Isolate Valve Only - Lock Not Provided)
GM	Bonnet Lock-Out (Vent Valve Only - Lock Not Provided - Hard Seats Only)
P9	1/4" Hex Head Pipe Plug in Vent/Test Port
TH	Hydrostatic Testing
W	Safety Bonnet Lock Plate
WK	Paper Tag
W1	316 SS Tag (20 Characters ~ See page 61)
XL	Clean for Critical Service (Oxygen or Chlorine)

## PRESSURE & TEMPERATURE

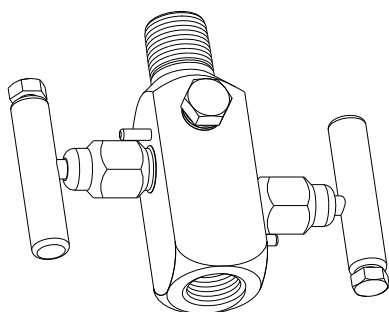
BODY MATERIAL	HARD SEAT	HARD SEAT
	Teflon Pressure-Core	Grafoil
<b>Carbon Steel</b> Code C	10,000 PSI @ 200° F 8,000 PSI @ 450° F	Not Available.
<b>A105 Carbon Steel</b> Code P	10,000 PSI @ 200° F 8,000 PSI @ 450° F	6,000 PSI @ 200° F 1,500 PSI @ 800° F
<b>316 SS</b> Code S	10,000 PSI @ 200° F 8,000 PSI @ 450° F	6,000 PSI @ 200° F 1,500 PSI @ 1,000° F
See Page 5:	Chart D	Chart F
BODY MATERIAL	SOFT SEAT (Delrin)	SOFT SEAT (Peek)
	Teflon Pressure-Core	Teflon Pressure-Core
<b>Carbon Steel</b> Code C	6,000 PSI @ 200° F Max.	10,000 PSI @ 200° F 3,000 PSI @ 400° F
<b>316 SS</b> Code S	6,000 PSI @ 200° F Max.	10,000 PSI @ 200° F 3,000 PSI @ 400° F
See Page 5:	Chart B	Chart B

# Two-Valve Block & Bleed Manifolds

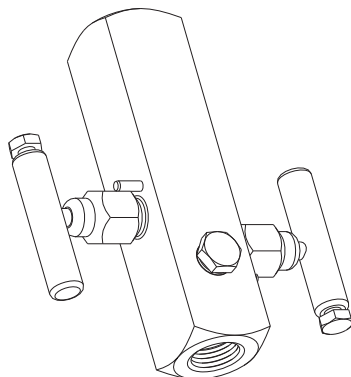
**.187" ORIFICE**

## Description

**1/2" FNPT x 1/2" MNPT**

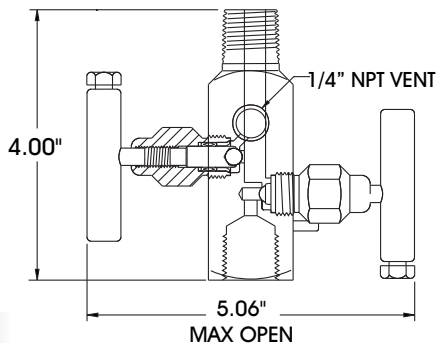


**1/2" FNPT x 1/2" FNPT**

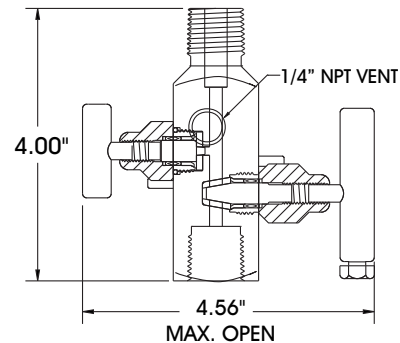


## Body Style

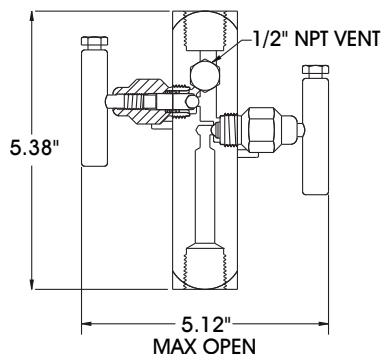
### V-614 Hard Seat



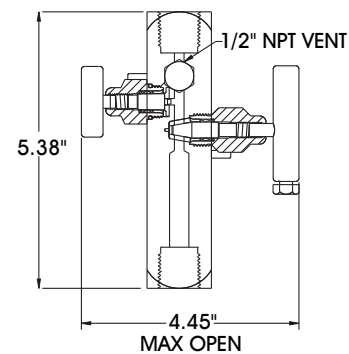
### V-615 Soft Seat



### V-626 Hard Seat



### V-627 Soft Seat



*Above drawings shown with P9 Pipe Plug Option.*

## MATERIALS OF CONSTRUCTION

SEAT	MAX Cv RATINGS
Hard Ball	.53
Soft Cone	.83
Approx. Manifold Weight:	3.0 lbs each [V-626 / 627] 2.4 lbs each [V-614 / 615]



PART DESCRIPTION	CARBON STEEL	A105 CARBON STEEL	316 SS	MONEL®	HASTELLOY-C®
Body	ASTM A108-1215	ASTM A105-CF	ASTM A479-316	ASTM B164-N04405	ASTM B574-N10276
Bonnet	ASTM A108-1215	ASTM A479-316	ASTM A479-316	ASTM B164-N04405	ASTM B574-N10276
Stem	ASTM A582-303	ASTM A479-316	ASTM A479-316	ASTM B164-N04405	ASTM B574-N10276
Seal Retainer	ASTM A479-316	ASTM A479-316	ASTM A479-316	ASTM B164-N04405	ASTM B574-N10276
Handle Assembly	ASTM A108	ASTM A108	ASTM A582 (18-8)	ASTM A582 (18-8)	ASTM A582 (18-8)
Plug(s)	ASTM A108-1215	ASTM F593 (18.8)	ASTM A182-F (18-8)	ASTM B164-N04405	ASTM B574-N10276

- Carbon Steel Manifolds are Zinc Cobalt Plated with Dichromate Dip
- 316 SS Manifolds Meet NACE MR0175 Requirements (Latest Revision)
- 100% Pressure Tested
- Carbon Steel Weld End Connection Bodies are AISI 1018

# Two-Valve Block & Bleed Manifolds

**.187" ORIFICE**

**TWO-VALVE BLOCK & BLEED MANIFOLDS**

## ORDERING INFORMATION

BODY STYLE	BODY CODE	SEAT CODE	STEM SEAL CODE	OPTION CODES					
Hard Seat									
V - 6 1 4				-					
V - 6 2 6				-					
Soft Seat									
V - 6 1 5				-					
V - 6 2 7				-					

BODY CODE	
[Std.] Carbon Steel	<b>C</b>
A105 Carbon Steel	<b>P</b>
[Std.] 316 SS	<b>S</b>
Monel®	<b>M</b>
Hastelloy-C®	<b>H</b>

HARD SEAT CODE	
[Std.] Carbide Ball	<b>C</b>
Ceramic Ball	<b>R</b>
316 SS Ball	<b>6</b>
Hastelloy-C® Ball	<b>H</b>
K-Monel® Ball	<b>N</b>

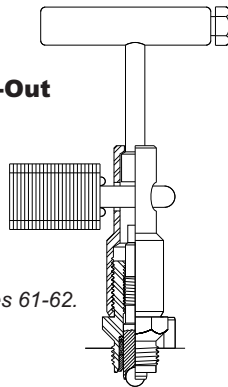
SOFT SEAT CODE	
Delrin® Cone / Washer [Std.]	<b>D</b>
Kel-F® Cone / Washer	<b>K</b>
PEEK® Cone / Washer	<b>P</b>
Teflon® Cone / Washer	<b>T</b>
Tefzel Cone / Washer	<b>Z</b>

STEM SEAL CODE	
[Std.] Teflon® Pressure-Core™	<b>T</b>
Grafoil® Packed	<b>G</b>
Teflon® Packed [Hard Seat Only]	<b>P</b>
Viton® O-Ring	<b>V</b>
Low-Temp Pressure-Core™	<b>J</b>

## OPTIONS

- **Bonnet Handle Lock-Out**
- Bonnet Lock Plates

See Options/Accessories Pages 61-62.



## PRESSURE & TEMPERATURE

BODY MATERIAL	HARD SEAT	HARD SEAT
	Teflon Pressure-Core	Grafoil
<b>Carbon Steel</b> Code C	10,000 PSI @ 200° F 8,000 PSI @ 450° F	Not Available.
<b>A105 Carbon Steel</b> Code P	10,000 PSI @ 200° F 8,000 PSI @ 450° F	6,000 PSI @ 200° F 1,500 PSI @ 800° F
<b>316 SS</b> Code S	10,000 PSI @ 200° F 8,000 PSI @ 450° F	6,000 PSI @ 200° F 1,500 PSI @ 1,000° F
See Page 5:	Chart D	Chart F
BODY MATERIAL	SOFT SEAT (Delrin)	SOFT SEAT (Peek)
	Teflon Pressure-Core	Teflon Pressure-Core
<b>Carbon Steel</b> Code C	6,000 PSI @ 200° F Max.	10,000 PSI @ 200° F 3,000 PSI @ 400° F
<b>316 SS</b> Code S	6,000 PSI @ 200° F Max.	10,000 PSI @ 200° F 3,000 PSI @ 400° F
See Page 5:	Chart B	Chart B

OPTION CODE	OPTION DESCRIPTION
AM7	½" Male Pipe Socket Weld (Process Port)
GA	Anti-Tamper Bonnet (All Positions - Hard Seats Only)
GC	Anti-Tamper Bonnet (Isolate Valve Only)
GE	Anti-Tamper Bonnet (Vent Valve Only - Hard Seats Only)
GJ	Bonnet Lock-Out (All Positions - Lock Not Provided - Hard Seats Only)
GK	Bonnet Lock-Out (Isolate Valve Only - Lock Not Provided)
GM	Bonnet Lock-Out (Vent Valve Only - Lock Not Provided - Hard Seats Only)
P9	¼" Hex Head Pipe Plug in Vent/Test Port
TH	Hydrostatic Testing
W	Safety Bonnet Lock Plate
WK	Paper Tag
W1	316 SS Tag (20 Characters ~ See page 61)
XL	Clean for Critical Service (Oxygen or Chlorine)