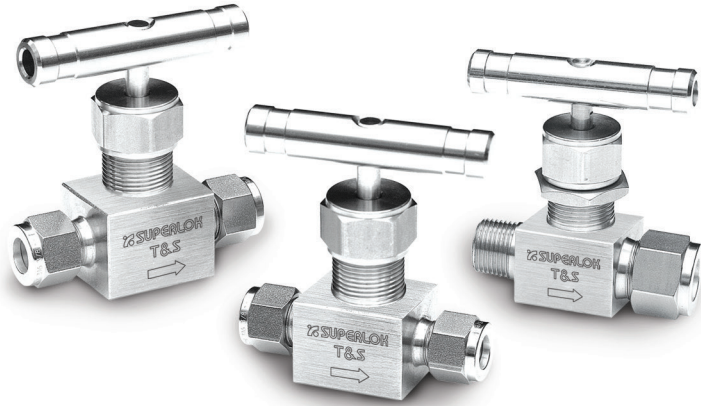


Integral Bonnet Bar Stock Needle Valves

SBNV Series

Features

- Integral bonnet design
- Bar stock body
- Compact design
- Low operating torques
- Variety of End Connections
- Straight and Angle flow patterns
- Each and every valve is tested at the factory



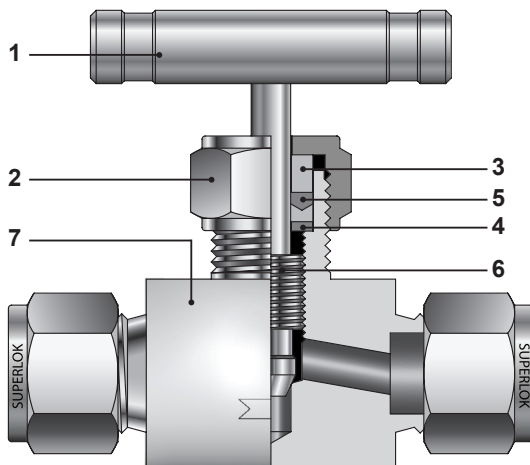
Specifications

Pressure rating	6000psig (413bar)@100°F (38°C)
Temperature rating	-65 to 450°F (-54 to 232°C) with PTFE packing and up to 600°F (315°C) with PEEK packing
Body material	316 stainless steel and Alloy400
Orifice	0.17" and 0.25" (4.3mm and 6.4mm)

Testing

- Each Valve is tested with nitrogen at 1000psig (69bar) to maximum allowable leak rate of 0.1 SCCM.
- Hydrostatic shell test is performed at 1.5 times of the working pressure. (OPTION)

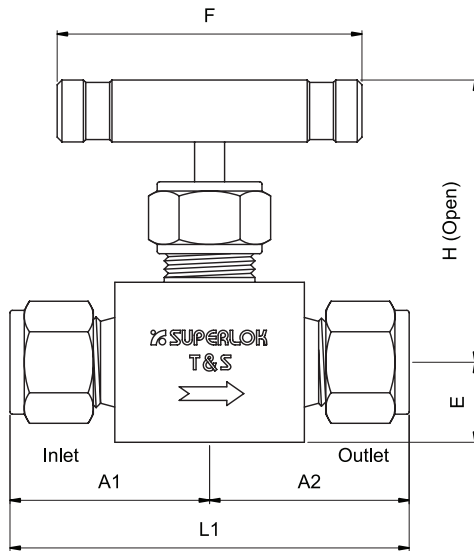
Materials of Construction



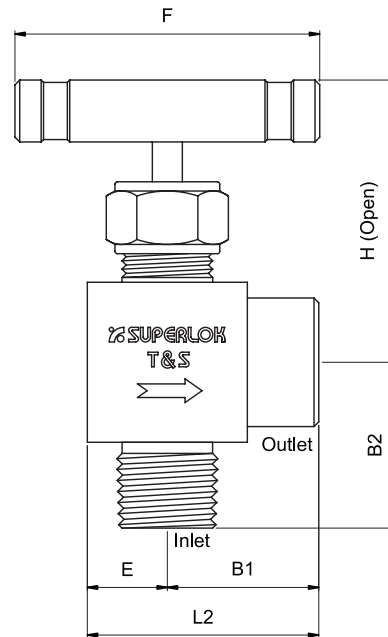
No.	Component	Material Grade / ASTM Specification	
		Stainless Steel	Alloy 400
1	Bar Handle	Stainless Steel	
	Knob Handle	Phenolic with brass insert	
	Set Screw	Stainless Steel	
2	Packing Nut	SS316 / A276	Alloy R-405/B164
3	Packing Gland		
*4	Packing Support		
*5	Packing	PTFE (Standard), PEEK (Optional)	
*6	Vee Stem	SS316 / A276	Alloy R-405/B164
	Soft Seat Stem	SS316 / A276 with PCTFE	ALLOY R-405/B164 with PCTFE
*7	Body	SS316 / A276	ALLOY R-405/B164

*Wetted components are marked "**"

SBNV Series



Straight Flow Pattern



Angle Flow Pattern

Table of dimensions

Part Number		Orifice	Cv	End Connections		Dimensions									
				Inlet	Outlet	L1	A1	A2	L2	B1	B2	E	F	H	
SBNV1	F4N	4.3	0.37	1/4" FEMALE NPT		47.6	23.8	23.8	36.5	25.4	25.4	11.1	45.0	51.0	
	M4N			1/4" MALE NPT		49.2	24.6	-	-	-	-				
	M4N-F4N			1/4" MALE NPT	1/4" FEMALE NPT	48.4		24.6	23.8	36.5	25.4	26.2			11.1
	M4N-S4			1/4" MALE NPT	1/4" SUPERLOK	53.3		28.7	39.8	28.7	29.7				
	S4			1/4" SUPERLOK		62.4						31.2			
SBNV2	F6N	6.4	0.73	3/8" FEMALE NPT		64.0	32.0	32.0	48.6	31.8	31.8	16.8	64.0	63.0	
	F8N			1/2" FEMALE NPT							35.8				
	M6N-F6N			3/8" MALE NPT	3/8" FEMALE NPT						31.0				
	M8N-F8N			1/2" MALE NPT	1/2" FEMALE NPT	64.5	32.5				35.8				
	M12N-F8N			3/4" MALE NPT	1/2" FEMALE NPT	63.8	31.8				41.9				-
	M6N-S8			3/8" MALE NPT	1/2" SUPERLOK	73.7									
	S6			3/8" SUPERLOK		78.2	39.1	39.1							
	S8			1/2" SUPERLOK		83.8	41.9	41.9							

- All dimensions in millimeters unless specified as "inch". Dimension are for reference only, subject to change.
- Dimension shown with SUPERLOK nuts measure in the finger-tight, where applicable.
- ISO Tapered Threads are available upon request.

Technical Data

Pressure - Temperature Rating

Body Material	Stem	Temperature Rating	Pressure Rating@ -65°F~-100°F (-54°C~38°C)
SS316	Vee	-65°F~450°F (-54°C~232°C)	6000psig (413 bar)
	Soft Seat	-65°F~200°F (-54°C~93°C)	
Alloy 400	Vee	-65°F~450°F (-54°C~232°C)	5000psig (345 bar)
	Soft Seat	-65°F~200°F (-54°C~93°C)	

*The above ratings are for a standard valve with PTFE packing.

*Extreme temperature fluctuations may require packing adjustment.

Working Pressure - Temperature

Temperature Rating		Pressure psig(bar) @ Temperature Rating	
		SS316	Alloy 400
-65°F (-54°C) to	100°F (38°C)	6000psig (413bar)	5000psig (435 bar)
	200°F (93°C)	5160psig (355bar)	4400psig (303 bar)
	300°F (148°C)	4660psig (321bar)	4120psig (284 bar)
	350°F (176°C)	4470psig (308bar)	4050psig (279 bar)
	400°F (204°C)	4280psig (295bar)	3980psig (274bar)
	450°F (232°C)	4130psig (284bar)	3970psig (273 bar)

Packing and Body material - Temperature and Pressure Rating

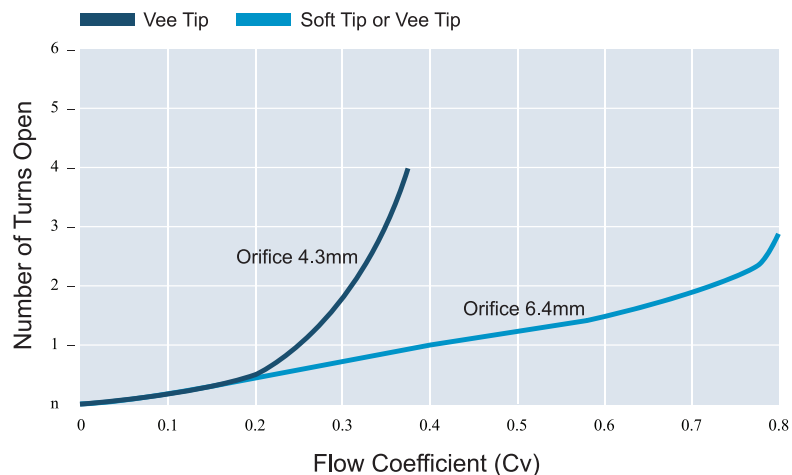
Packing Material	Body Material	Temperature Rating	Pressure Rating@ Max. Temperature
PTFE (Standard)	SS316	-65°F~450°F (-54°C~232°C)	4130psig (284 bar)
	Alloy 400		3970psig (273 bar)
PEEK	SS316	-65°F~600°F (-54°C~315°C)	3760psig (259bar)
	Alloy 400	-65°F~500°F (-54°C~260°C)	3960psig (272bar)

* Alloy 400 not applicable over 500 °F(260 °C)

* PEEK is not recommended for service with aromatic heat transfer or concentrated sulfuric and nitric acids. Other limitations may apply.

Flow Data at 100°F (37°C)

Flow Coefficient at Turns Open



Handle

- 316 Stainless steel bar handles are standard.
- Black phenolic knob is standard for soft seat stem Valves.
- Anodized black aluminum bar handles

Available Stem Type

Two stem types

- Vee stem : All metal, Vee stem tip (Standard)
- Soft Seat Stem: PCTFE stem tip (Optional)

Ordering Information

Example : **SBNV2 - M6N - S8 - SS - PE - KH - M40**

1
2 3
2 3
4
5
6
7

Inlet
Outlet

1. Valve Series

Straight Flow Pattern

SBNV1 : 4.3mm Orifice

SBNV2 : 6.4mm Orifice

Angle Flow Pattern

SBNV1A : 4.3mm Orifice

SBNV2A : 6.4mm Orifice

2. Port Type

S : SUPERLOK Tube Fitting

M : Male Pipe Thread

F : Female Pipe Thread

3. Port Size

Pipe Thread Designation

Size (inch)	1/8	1/4	3/8	1/2	3/4	1
Screw BSPT	2R	4R	6R	8R	12R	16R
Screw NPT	2N	4N	6N	8N	12N	16N

Tube O.D Designation

Tube O.D (inch)	1/4	3/8	1/2	3/4	1
Designation	4	6	8	12	16
Tube O.D (mm)	6	10	12	20	25
Designation	6M	10M	12M	20M	25M

4. Stem Type

Nil : Vee Stem (Standard)

SS : Soft Seat Stem

5. Packing Material

Nil : PTFE (Standard)

PE : PEEK

6. Handle

■ Nil : Stainless Steel Bar Handle (Standard)

■ KH : Black Phenolic Knob Handle

■ AH : Anodized black aluminum bar handle

7. Body Material

SS : 316 Stainless Steel

M40 : Alloy 400 (Monel)

Examples

ex1) SBNV1 - S4 - SS

SBNV1 Series / [Inlet]SUPERLOK x [Outlet]SUPERLOK / Port Size: 1/4" x 1/4" / SS316 Bar Handle

Straight Pattern / PTFE packing / Vee Stem / 316 Stainless Steel Body

ex2) SBNV2 - F8N - SS - KH - M40

SBNV2 Series / [Inlet]Female Pipe Thread x [Outlet]Female Pipe Thread / Port Size: 1/2"NPT x 1/2"NPT / Black phenolic knob handle

Straight Pattern / PTFE packing / Soft Seat Stem / Alloy 400 Body

ex3) SBNVA2 - M8N - F8N - PE

SBNV2 Series / [Inlet]Male Pipe Thread x [Outlet]Female Pipe Thread / Port Size: 1/2"NPT x 1/2"NPT / SS316 Bar Handle

Angle Pattern / PEEK packing / Vee Stem / 316 Stainless Steel Body

High Pressure Bar Stock Needle Valves

SHBNV Series

Features

- Bar stock body
- Compact design
- Low operating torques
- Variety of End Connections
- Straight and Angle flow patterns
- Each and every valve is tested at the factory



Specifications

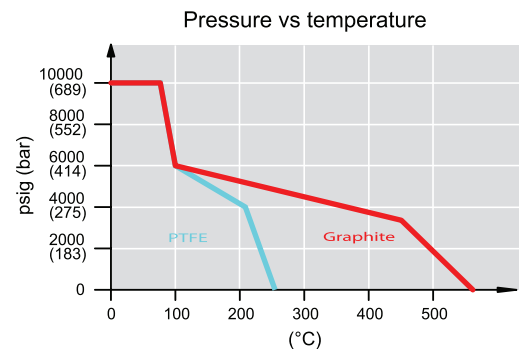
Maximum Working Pressure rating	10000psig (689bar) @100°F(38°C)
Temperature rating	-65 to 450°F (-54 to 232 °C) with PTFE packing
Body material	316 stainless steel, Carbon steel
Orifice	0.197" (5.0mm)

Testing

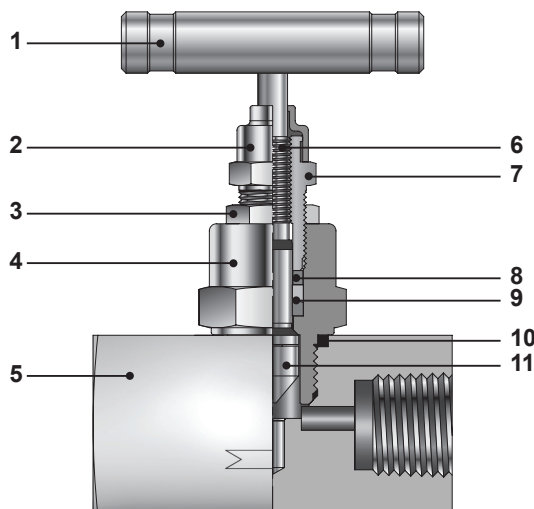
- Each Valve is tested with nitrogen at 1000psig(69bar) to maximum allowable leak rate of 0.1 SCCM.
- Hydrostatic shell test is performed at 1.5 times of the working pressure. (OPTION)

Technical Data

Body Material	Stainless Steel	Carbon Steel
Temperature Rating	-65 °F ~ 450 °F (-54 °C ~ 232 °C)	-20 °F ~ 350 °F (-29 °C ~ 176 °C)
Pressure Rating @ 100 °F	10000 psig (689bar)	10000 psig (689bar)
Pressure Rating @ Max Temperature	4000 psig @ 500 °F 276 bar @ 260 °C	5230 psig @ 350 °F 360 bar @ 176 °C



Materials of Construction



No.	Component	Material Grade / ASTM Specification	
		Stainless Steel	Carbon Steel
1	Bar Handle	Stainless Steel	
2	Dust Cap	Nylon	
3	Lock Nut	Stainless Steel	
4	Bonnet	SS316 / A479	A105
5	Body	SS316 / A479	A105
6	Stem	SS316 / A479	
7	Packing Bolt	SS316 / A276	
8	Packing Gland	SS316 / A276	
9	Packing	PTFE, Graphite	
10	Bonnet Seal	PTFE, Graphite	
11	Vee Tip	SS630 / A564	

SHBNV Series

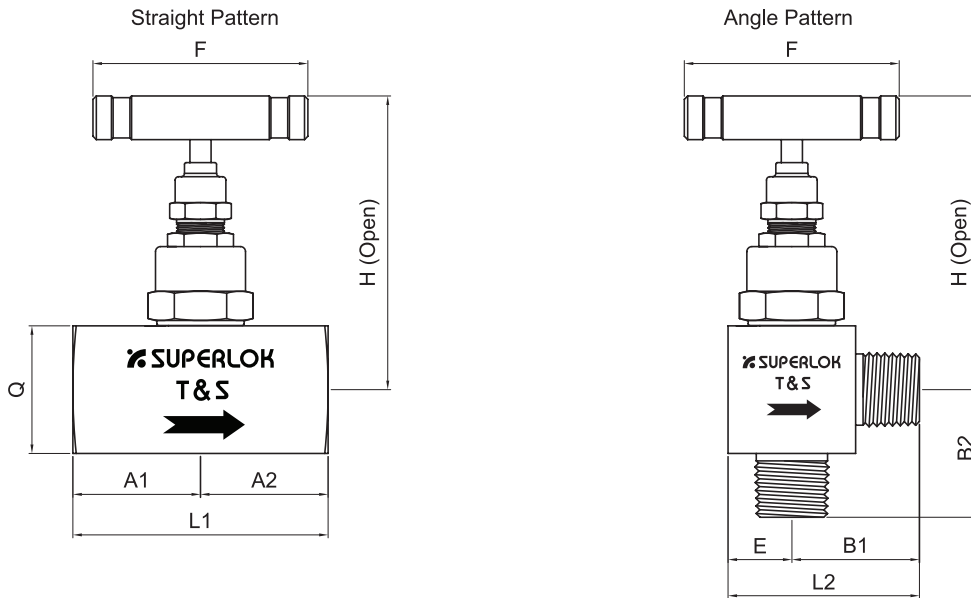


Table of Dimensions

Part Number		Orifice	Cv	End Connections		Dimensions									
				Inlet	Outlet	L1	A1	A2	Q	L2	B1	B2	E	F	H
SHBNV	F4N	4.0	0.52	1/4 Female NPT		60.4	30.2	30.2	32.0	51.0	35.0	35.0	16.0	64.0	85.5
	M4N-F4N			1/4 Male NPT	1/4 Female NPT	62.0	31.8								
	F6N			3/8 Female NPT		68.0	34.0	34.0							
	M6N-F6N			3/8 Male NPT	3/8 Female NPT	70.0	36.0								
	F8N			1/2 Female NPT		70.0	35.0	35.0							
	M8N-F8N			1/2 Male NPT	1/2 Female NPT	79.0	44.0								

• All dimensions in millimeters unless specified as "inch". Dimension are for reference only, subject to change.

Ordering Information

Example : **SHBNV - M 8N - F 8N - AH - GR - SS**

1
2
3
2
3
4
5
6

1. Valve Series

SHBNV : Straight Flow Pattern
SHBNVA : Angle Flow Pattern

2. (Inlet x Outlet)

M : Male Pipe Thread
F : Female Pipe Thread

3. Port Size

Pipe Thread Designation

Size (inch)	1/4	3/8	1/2
Screw BSPT	4R	6R	8R
Screw NPT	4N	6N	8N

4. Handle

Nil : Stainless Steel Bar Handle (Standard)
AH : Anodized black aluminum bar handle

5. Packing Material

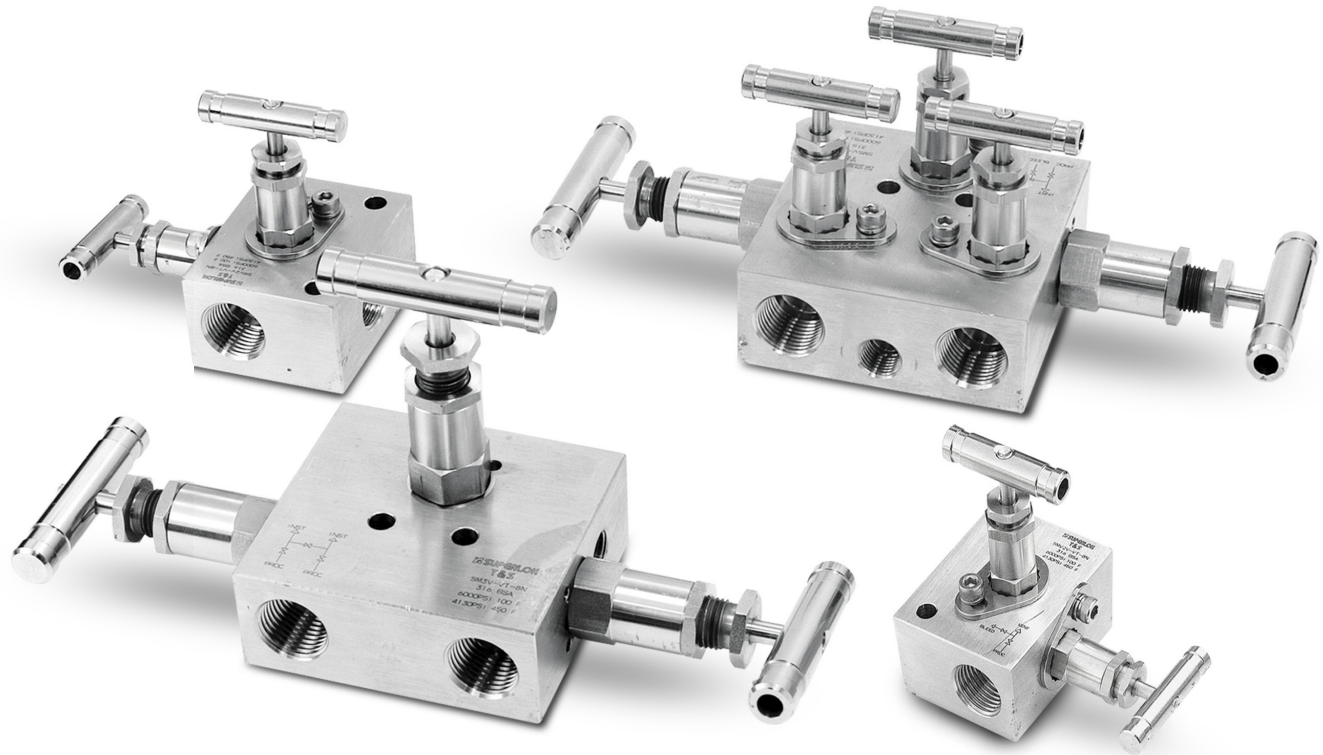
Nil : PTFE (Standard)
GR : Grafoil

6. Body Material

SS : 316 Stainless Steel
C : Carbon Steel

Instrumentation Manifold Valves

SM2V / SM3V / SM5V Series



Ordering Information

Example :

SM2 V - F 8N - M40

1 2 3 4 5

1. Valve Series

SM2 : 2-Valve Manifolds
SM3 : 3-Valve Manifolds
SM5 : 5-Valve Manifolds

2. Mounting Type

V : Horizontal Style (Remote Mounting)
VF : Horizontal Single Flange Style (Direct Mounting)
VDF : Horizontal Dual Flange Style (Direct Mounting)
VD : Vertical Style (Direct Mounting)

3. End Connection Type

S : Superlok Female Tube Fitting
F : Female Pipe Thread

4. End Connection Size

Tube O.D Designation

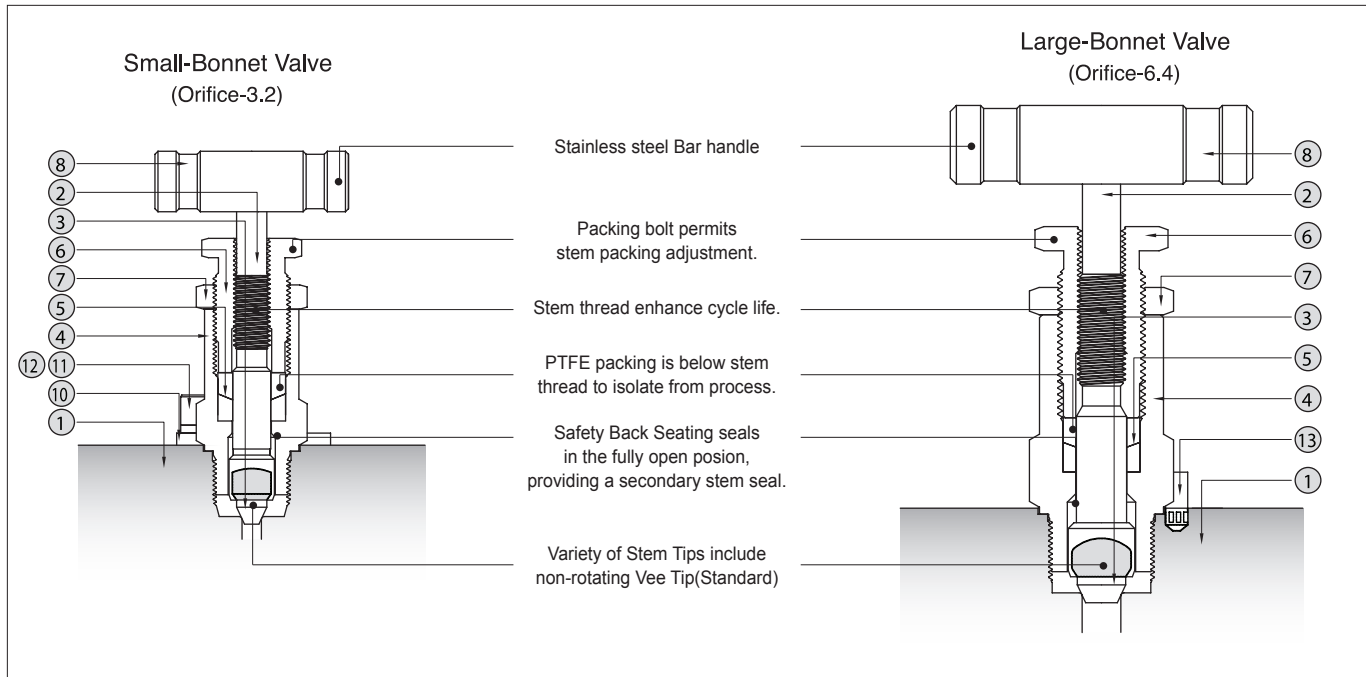
Size (inch)	1/2
Designation	8

Pipe Thread Designation

Size (inch)	1/2
Screwed NPT	8N

5. Body Material

SS : 316 Stainless Steel
M40 : Alloy 400 (Monel)



Technical Data

Material of Construction

Component	Material Grade
1 Body	SS316 / A276 or A479
2 Stem	SS316 / A276 or A479
3 Vee Tip	SS316 / A479
4 Bonnet	SS316 / A276 / or A479
5 Packing	PTFE Grafoil (optional)
6 Packing Bolt	SS316 / A276 / or A479
7 Lock Nut	SS316 / A276 / or A479
8 Handle	Stainless Steel
9 Set Screw	Stainless Steel
10 Locking Plate	Stainless Steel
11 Wrench Bolt	Stainless Steel
12 Spring Washer	Stainless Steel
13 Stop Pin	Stainless Steel

Orifice

3.2mm (0.125 in.)	2-Valve Manifolds Block, Bleed Valve 5-Valve Manifolds Equalizer, Bleed Valve
6.4mm (0.250 in.)	3-Valve Manifolds Block, Equalizer Valve 5-Valve Manifolds Block Valve

Features

- 2-, 3-, and 5-valves Instrument manifolds valves.
- Pressure Rating up to 6000psig (413bar) @ 100 °F (37°C)
- Temperature up to 1200 °F (648°C) with optional Grafoil packing
- All 316 stainless steel construction with PTFE packing

Testing

Each valve on every manifold is factory tested with nitrogen gas.
The test is performed to a maximum allowable leak rate of 0.1scc/min.

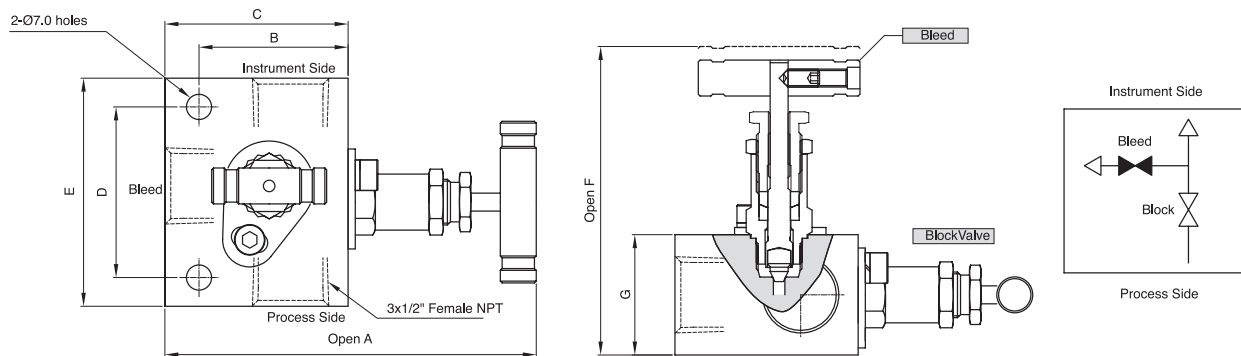
Pressure-Temperature Rating

Component	SS 316	
Packing Material	PTFE	Grafoil
Temperature(°C)	Working Pressure psig(bar)	
-65 (-53) to 100(37)	6000 (413)	6000 (413)
200 (93)	5160 (355)	5160 (355)
250 (121)	4910 (338)	4910 (338)
300 (148)	4660 (321)	4660 (321)
350 (176)	4470 (307)	4470 (307)
400 (204)	4280 (294)	4280 (294)
450 (232)	4130 (284)	4130 (284)
500 (260)	-	3980 (274)
550 (287)	-	3870 (266)
600 (315)	-	3760 (259)
650 (343)	-	3700 (254)
700 (371)	-	3600 (248)
750 (398)	-	3520 (242)
800 (426)	-	3460 (235)
850 (454)	-	3380 (232)
900 (482)	-	3280 (225)
950 (510)	-	3220 (221)
1000 (537)	-	3030 (208)
1050 (565)	-	3000 (206)
1100 (593)	-	2685 (184)
1150 (621)	-	2285 (157)
1200 (648)	-	1715 (118)

* Note
450 °F (232°C) with standard PTFE packing.
1200 °F (648°C) with Optional Grafoil packing.

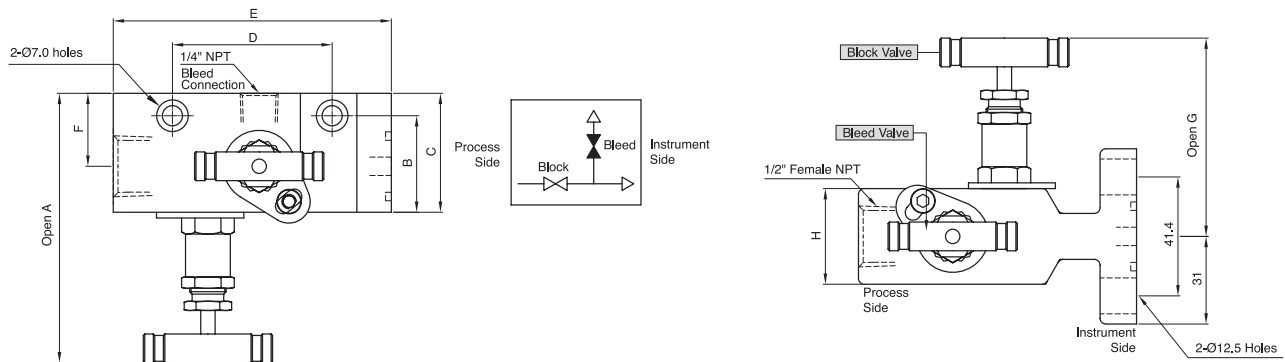
2-Valve Manifolds

Horizontal Style(Remote Mounting)



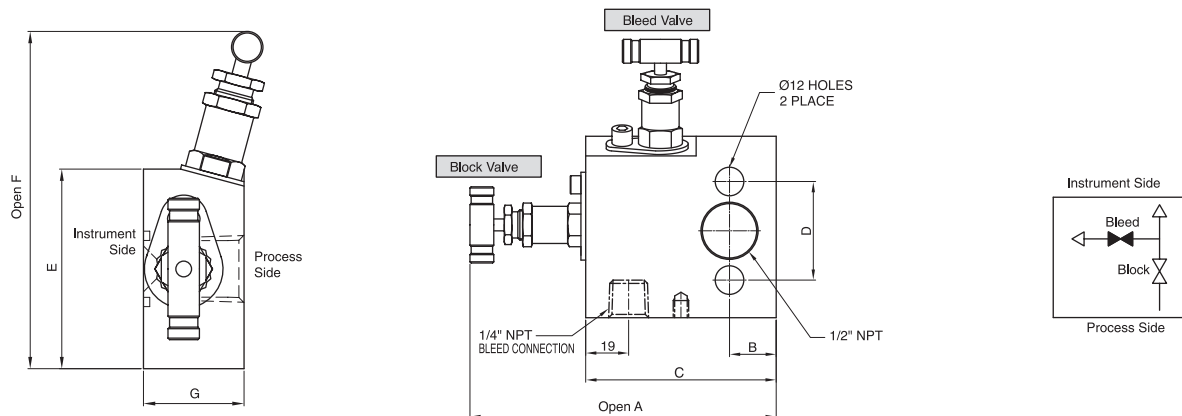
Part Number	End Connections			Weight Dimensions						
	Process	Instrument	Bleed	A	B	C	D	E	F	G
SM2V-F8N	1/2" Female NPT			103.5	41.5	51	47.5	63.5	85.9	33.5

Horizontal Single Flange Style (Direct Mounting)



Part Number	End Connections			Weight Dimensions							
	Process	Instrument	Bleed	A	B	C	D	E	F	G	H
SM2VF-F8N	1/2" Female NPT	Flange	1/4" Female NPT	93.8	33.6	41.4	47.8	97.0	25.4	69.0	31.8

Vertical Style (Direct Mounting)

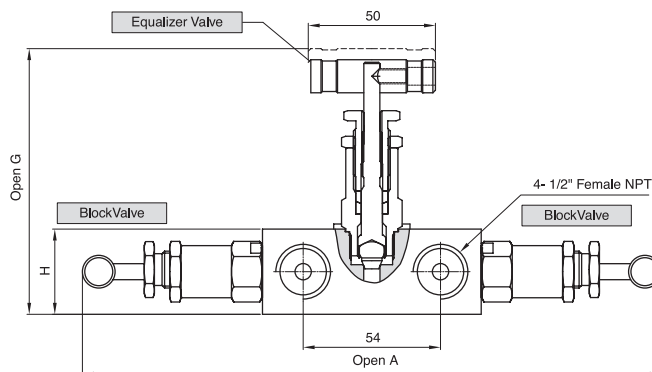
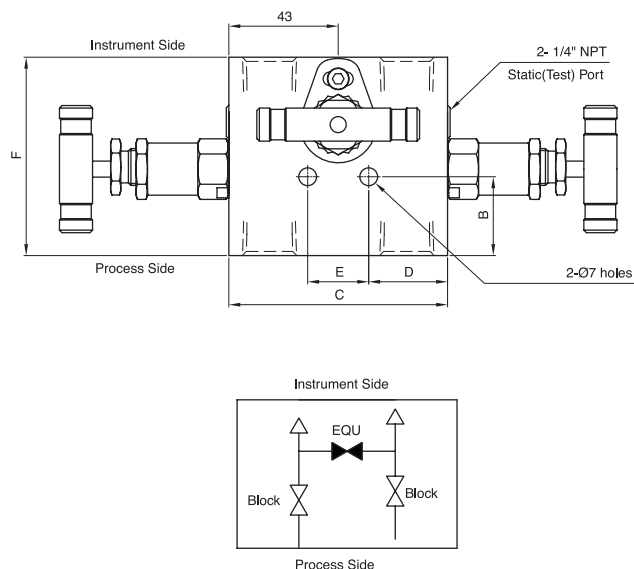


Part Number	End Connections			Weight Dimensions						
	Process	Instrument	Bleed	A	B	C	D	E	F	G
SM2VD-F8N	1/2" Female NPT	Flange	1/4" Female NPT	116.0	17.0	63.5	41.4	63.5	115.0	28.6

- All dimensions in millimeters unless specified as "inch". Dimension are for reference only and are subject to change.
- To order a manifold with optional Grafoil packing, add-G to the manifold ordering number.

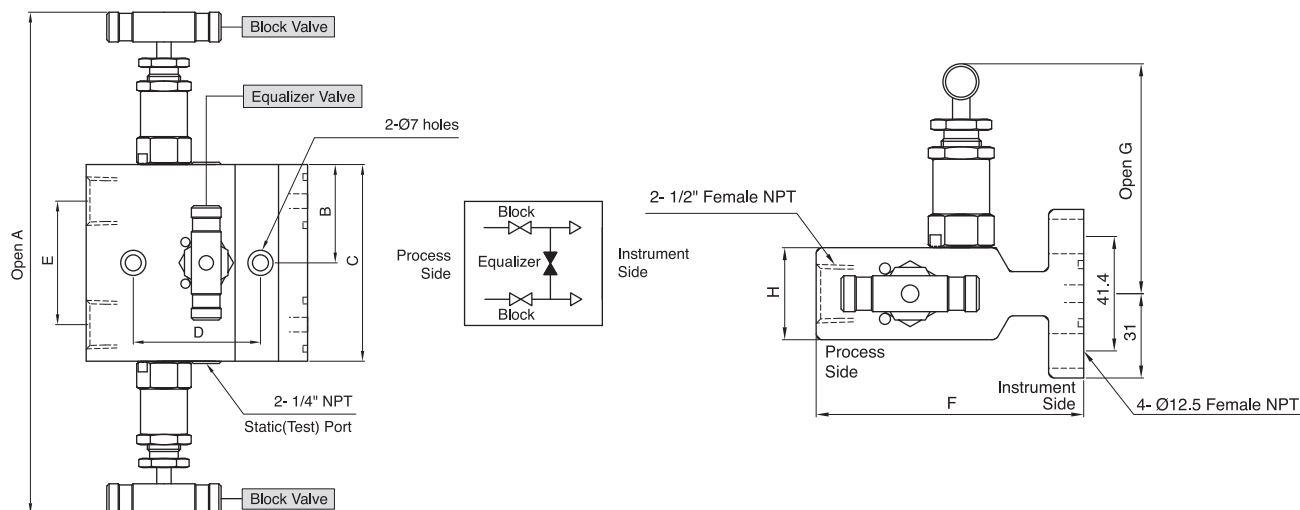
3-Valve Manifolds

Horizontal Style(Remote Mounting)



Part Number	End Connections		Weight Dimensions							
	Process	Instrument	A	B	C	D	E	F	G	H
SM3V-F8N	1/2" Female NPT		228.0	31.0	86.0	31.0	24.0	78.0	106.0	33.5

Horizontal Single Flange Style (Direct Mounting)

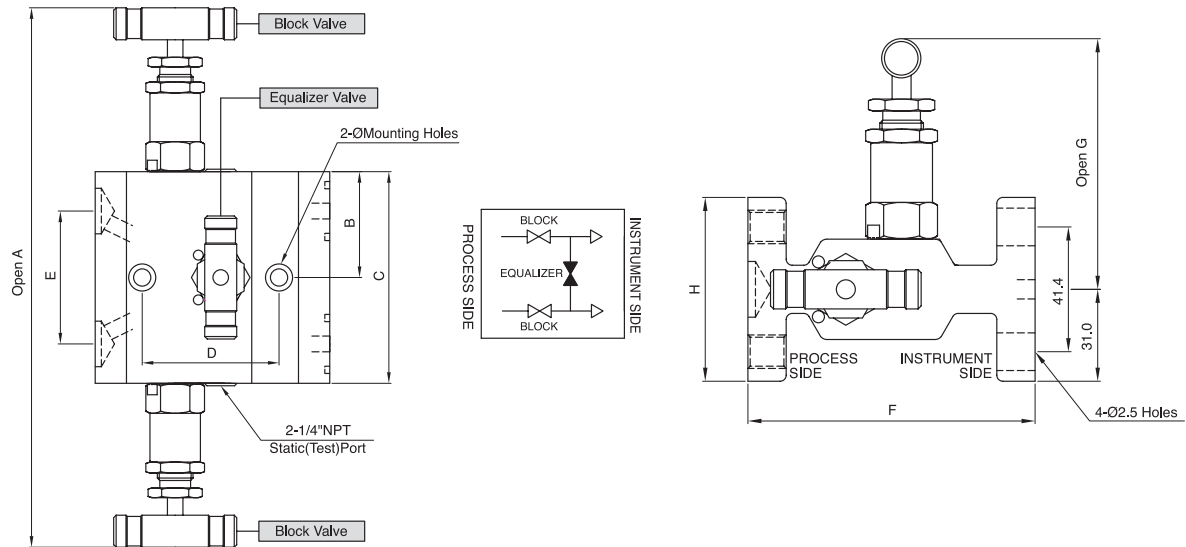


Part Number	End Connections		Weight Dimensions							
	Process	Instrument	A	B	C	D	E	F	G	H
SM3VF-F8N	1/2" Female NPT	Flange	228.0	43.0	86.0	55.6	54.0	97.0	87.7	31.8

- All dimensions in millimeters unless specified as "inch". Dimension are for reference only and are subject to change.
- To order a manifold with optional Grafoil packing, add-G to the manifold ordering number.

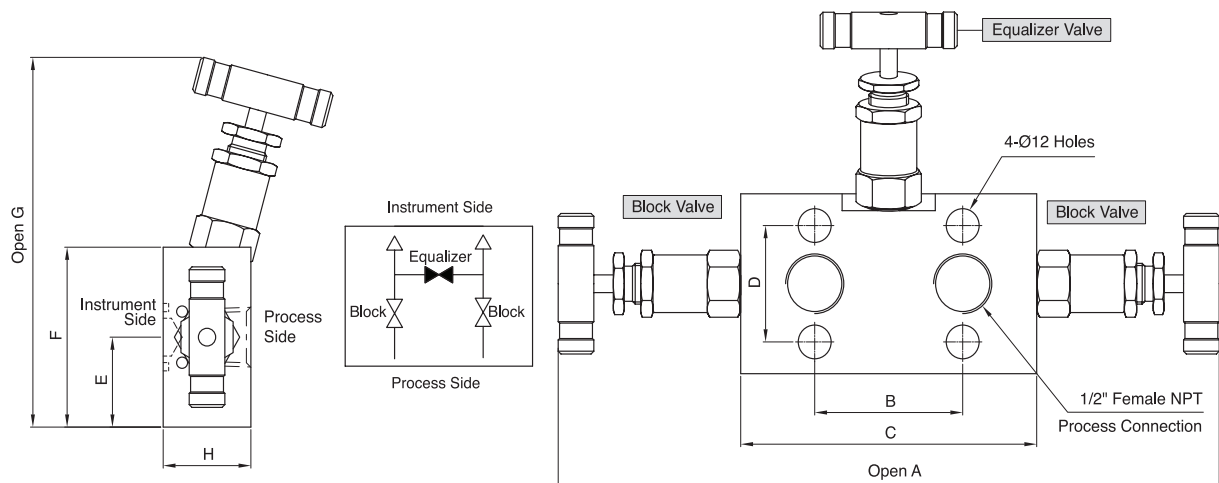
3-Valve Manifolds

Horizontal Dual Flange Style (Direct Mounting)



Part Number	End Connections		Weight Dimensions							
	Process	Instrument	A	B	C	D	E	F	G	H
SM3VDF	Flange	Flange	228.0	43.0	86.0	55.6	54.0	96.4	87.7	62.0

Vertical Style (Direct Mounting)

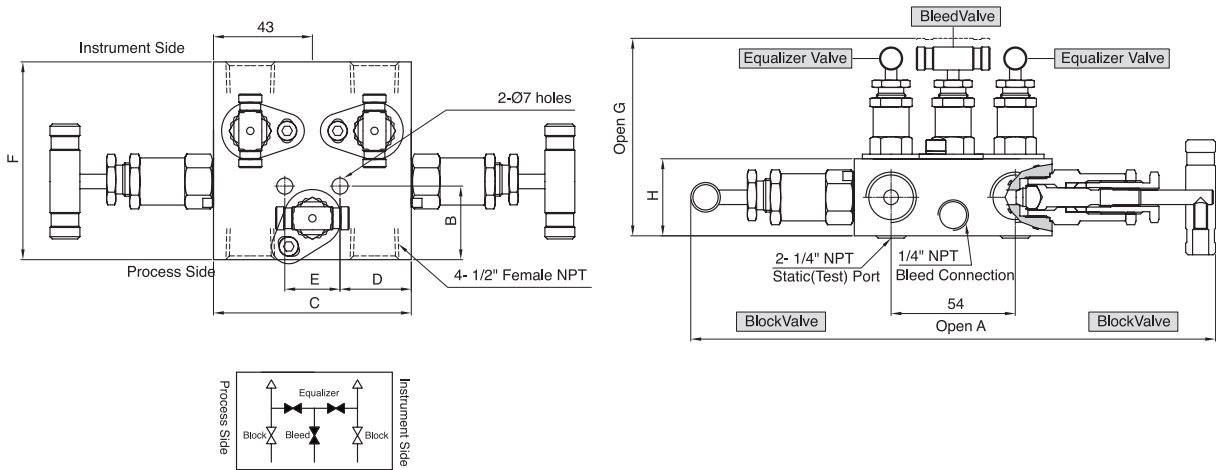


Part Number	End Connections		Weight Dimensions							
	Process	Instrument	A	B	C	D	E	F	G	H
SM3VD-F8N	1/2\" Female NPT	Flange	250.0	54.0	108.0	41.4	32.0	64.0	136.0	32.0

- All dimensions in millimeters unless specified as "inch". Dimension are for reference only and are subject to change.
- To order a manifold with optional Grafoil packing, add-G to the manifold ordering number.

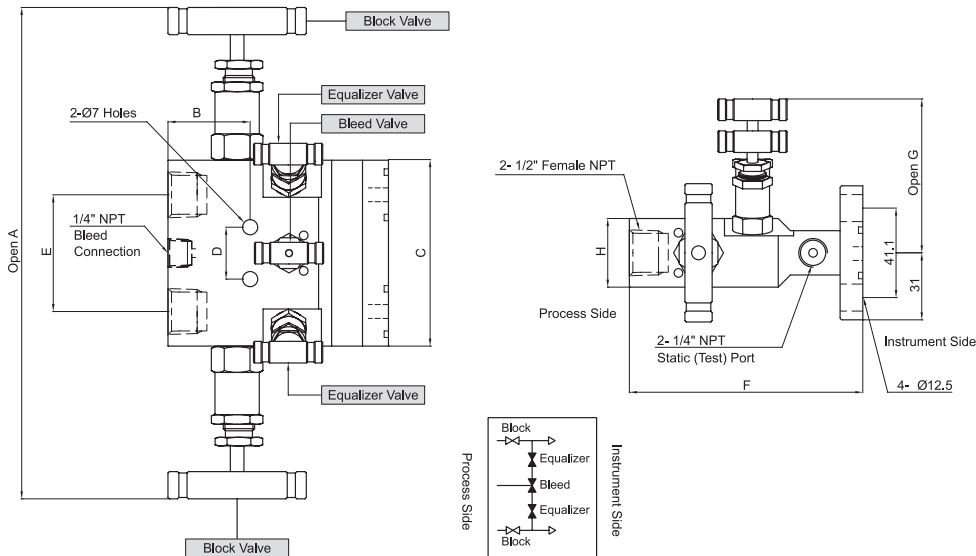
5-Valve Manifolds

Horizontal Style(Remote Mounting)



Part Number	End Connections			Weight Dimensions							
	Process	Instrument	Bleed	A	B	C	D	E	F	G	H
SM5V-F8N	1/2" Female NPT		1/4" Female NPT	228.0	32.0	86.0	31.0	24.0	86.0	85.9	33.5

Horizontal Single Flange Style (Direct Mounting)

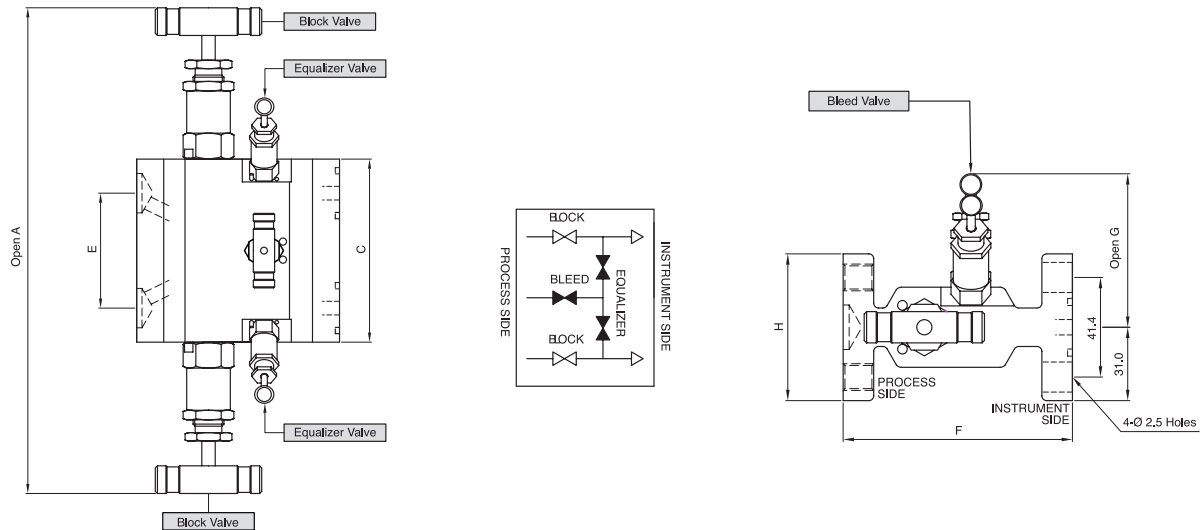


Part Number	End Connections			Weight Dimensions							
	Process	Instrument	Bleed	A	B	C	D	E	F	G	H
SM5VF-F8N	1/2" Female NPT	Flange	1/4" Female NPT	228.0	38.0	86.0	24.0	54.0	108.0	69.0	31.8

• All dimensions in millimeters unless specified as "inch". Dimension are for reference only and are subject to change.
 • To order a manifold with optional Grafoil packing, add-G to the manifold ordering number.

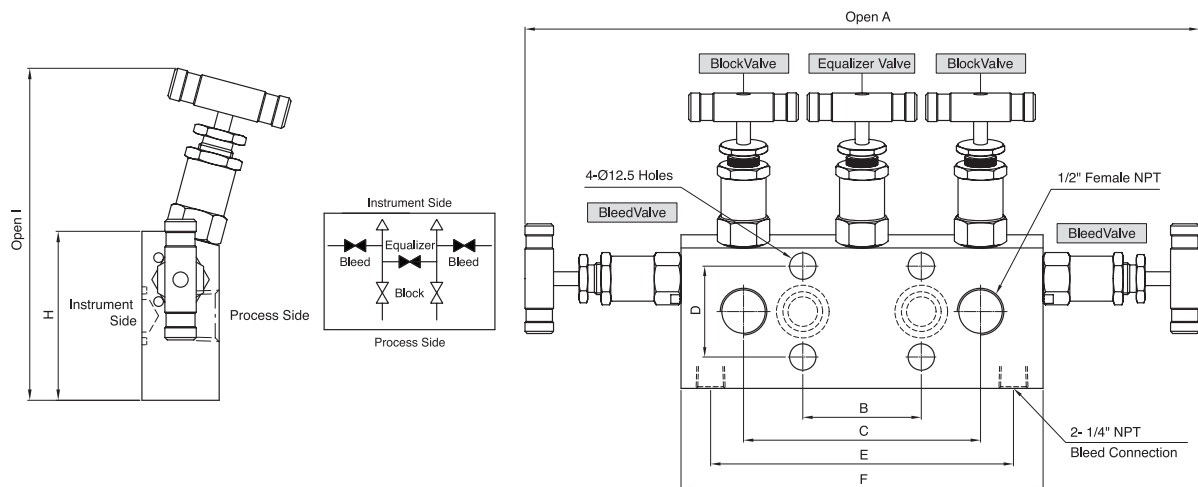
5-Valve Manifolds

Horizontal Dual Flange Style (Direct Mounting)



Part Number	End Connections			Weight Dimensions (mm)							
	Process	Instrument	Bleed	A	B	C	D	E	F	G	H
SM5VDF	Flange	Flange	1/4" Female NPT	228.0	32.0	86.0	24.0	54.0	96.4	69.0	61.0

Vertical Style (Direct Mounting)



Part Number	End Connections			Weight Dimensions (mm)								
	Process	Instrument	Bleed	A	B	C	D	E	F	G	H	I
SM5VD-F8N	1/2" Female NPT	Flange	1/4" Female NPT	312.0	54.0	102.0	41.4	138.0	158.0	148.0	76.2	32.0

- All dimensions in millimeters unless specified as "inch". Dimension are for reference only and are subject to change.
- To order a manifold with optional Grafoil packing, add-G to the manifold ordering number.

Manifolds Accessories

Flange Bolts & Seals

Flange Bolts

Flange Bolt	Part Number	Hex Size mm (in.)	Length mm (in.)	Threads	Bolt Material Designator
Standard Hex Head Bolt	SM-FB	15.87 (5/8)	25.0 (1.0)	7/16 - 20	Stainless Steel : -S Carbon Steel : -C
Long Stud with Hex Nut	SM-LFB		58.0 (2.28)		
Short Hex Head Bolt	SM-SFB		22.2 (0.875)		

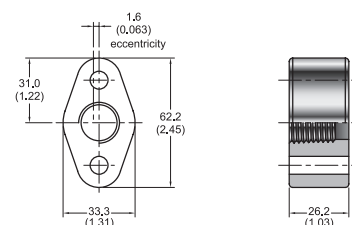
Flange Seals

Seal Material	Ordering No.	Temperature Rating
Viton	SM - FS - V	-20°F ~ 450°F (-28°C ~ 232°C)
PTFE	SM - FS	-65°F ~ 250°F (-53°C ~ 121°C)
Grafoil	SM - FS - GR	-65°F ~ 1000°F (-53°C ~ 537°C)



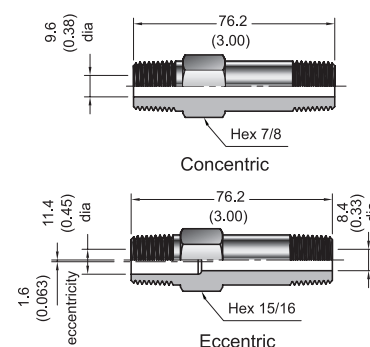
Concentric & Eccentric Oval Flange

- Eccentric Flanges and Pipe Nipple allow connections of flange - to - flange manifolds to process flange taps or process root valves.
- Standard connection is female NPT 1/2".
- Concentric & eccentric oval flange ordering number : Concentric oval flange female NPT 1/2" : SM - COF - F8N
Eccentric oval flange female NPT 1/2" : SM - EOF - F8N
- Dimensions, in millimeters (inches), are for reference only and are subject to change.



Concentric & Eccentric Pipe Nipple

Type	Part Number	Material	Pressure Rating @70°F (20°C) psig (bar)	Temperature Rating °F (°C)	Pressure Rating @Max. temperature
Concentric	SM - CPN - S	SS316 / A276	10000 (689)	-65 to 1200 (-53 to 648)	2850 psig @ 1200°F (196 bar @ 648°C)
	SM - CPN - C	Carbon Steel / A108	8000 (551)	-20 to 350 (-28 to 176)	6970 psig @ 350°F (480 bar @ 176°C)
Eccentric	SM - EPN - S	SS316 / A276	7500 (516)	-65 to 1200 (-53 to 648)	2140 psig @ 1200°F (147 bar @ 648°C)
	SM - EPN - C	Carbon Steel / A108	6000 (413)	-20 to 350 (-28 to 176)	5230 psig @ 350°F (360 bar @ 176°C)



* Dimensions, in millimeters (inches), are for reference only and are subject to change.

Calibration Fittings



Calibration fittings connect directly to the bleed port of differential pressure transmitter.

Material	Part Number	SUPERLOK O.D	Stright Male Thread
Stainless Steel / A276	SCAL4 - 1U	1/4"	1/4 - 28UNF
	SCAL4 - 2U		5/16 - 24UNF

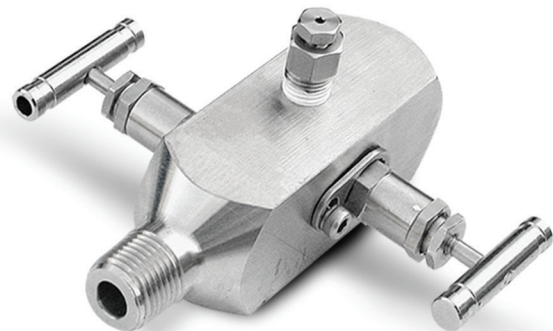
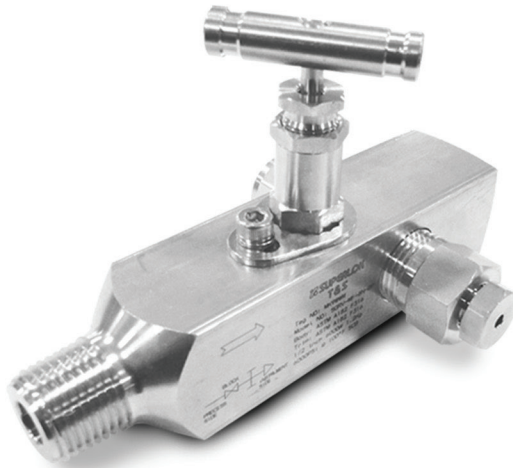
Vent plugs, Bleed & PurgeValves

- Bleed & Purge valves used to vent to atmosphere and to assist in calibration.
- Are offered in 1/4, 3/8, and 1/2 in. male NPT sizes.
- For more information, see the SUPERLOK BLEED & PURGE VALVE catalog. (BMT CBPV)
- Dimensions, in millimeters (inches), are for reference only and are subject to change.



Instrumentation Gauge Valves

SGBV / SGBV2 Series



Features

- Stainless Steel construction.
- 1/2 in. and 3/4 in, male to 1/2 in. female end connections.
- 1/2 in. female gauge ports standard.

Specifications

Maximum Working Pressure Rating	6000 psig (413 bar) @100°F(38°C)
Temperature Rating	-65 to 450°F (-54 to 232 °C) with PTFE packing
Body Material	316 Stainless Steel
Orifice	0.125" (3.2mm), 0.250" (6.4mm)

Testing

- Each Valve is tested with nitrogen at 1000psig(69bar) to maximum allowable leak rate of 0.1 SCCM.
- Hydrostatic shell test is performed at 1.5 times of the working pressure. (OPTION)

Ordering Information

Example : **SGBV - M 8N - F 8N - SS**

1
2
3
2
3
4

1. Valve Series

SGBV : Gauge
SGRV : Gauge Root Valve
SGBV2 : Gauge 2- Vale

2. End Connection Type

M : Male Pipe Thread
F : Female Pipe Thread

3. Port Size

Pipe Thread Designation

Size (inch)	1/2	3/4
Screwed NPT	8N	12N
Screwed BSPT	8R	12R

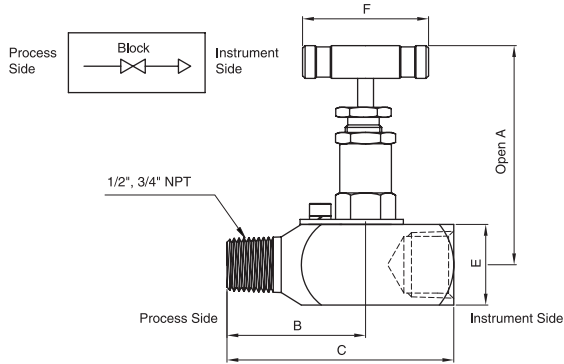
4. Body Material

SS : 316 Stainless Steel

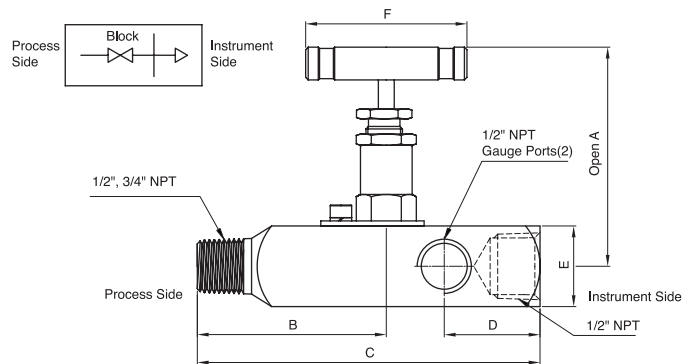
Gauge Valve

Gauge / Root Valve

SGBV(Gauge Valve)



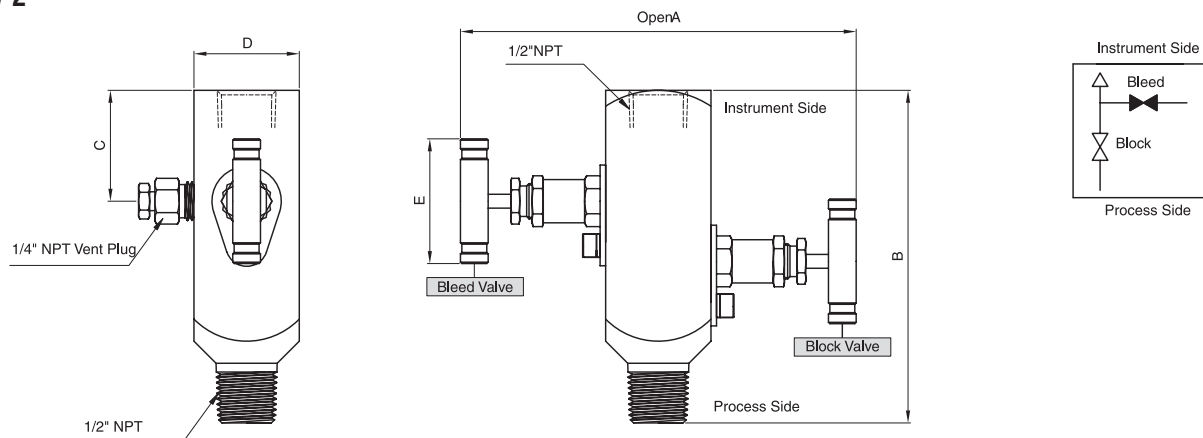
SGRV(Gauge Root Valve)



Part Number	End Connections		Dimensions (mm)					
	Process	Instrument	A	B	C	D	E	F
SGBV-M8N-F8N	1/2" Male NPT	1/2" Female NPT	68.4	54.0	90.0	-	32.0	45.0
SGBV-M12N-F8N	3/4" Male NPT	1/2" Female NPT						
SGRV-M8N-F8N	1/2" Male NPT	1/2" Female NPT	68.4	75.0	136.0	38.1	32.0	45.0
SGRV-M12N-F8N	3/4" Male NPT	1/2" Female NPT						

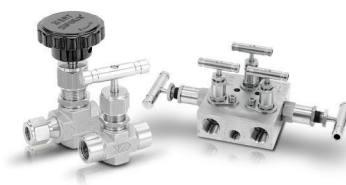
Gauge 2-Valve

SGBV 2



Part Number	End Connections		Dimensions (mm)				
	Process	Instrument	A	B	C	D	E
SGBV2-M8N-F8N	1/2" Male NPT	1/2" Female NPT	142	120	40	38	45

- All dimensions in millimeters unless specified as "inch". Dimension are for reference only and are subject to change.
- To order a manifold with optional Grafoil packing, add-G to the manifold ordering number.



Needle Valve Series