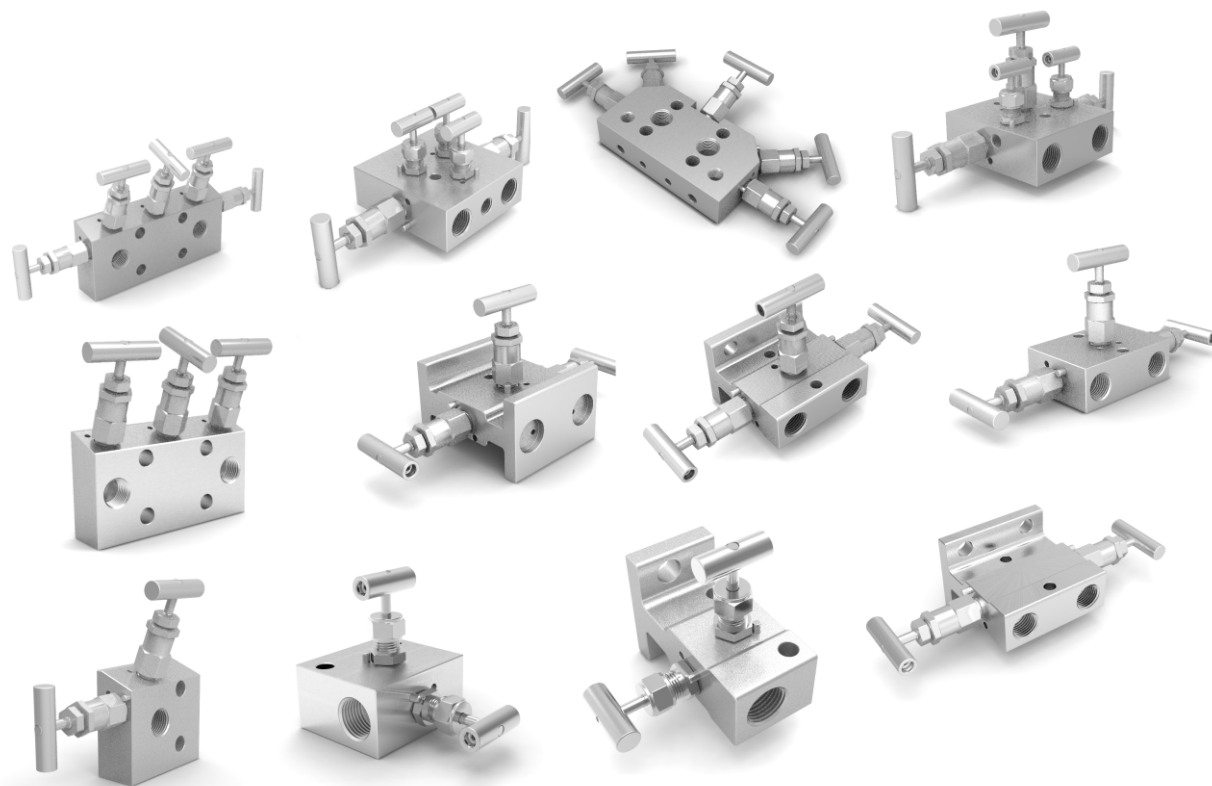
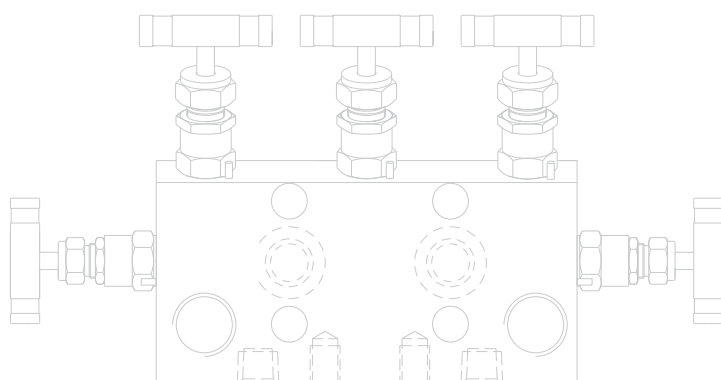
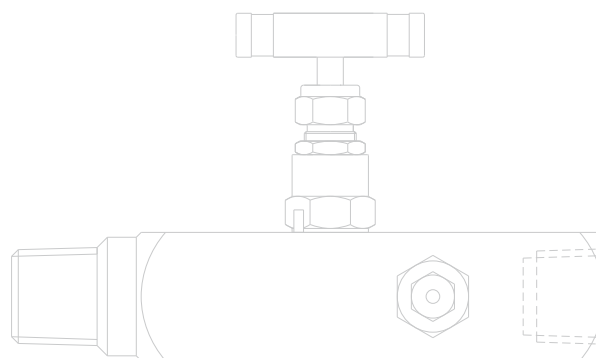


Gauge Valves and Instrument Manifolds



Climate Control
Electromechanical
Filtration
Fluid & Gas Handling
Hydraulics
Process Control
Sealing & Shielding



VFK
Advanced Fluid Control

CONTENTS

Gauge Valves and Instrument Manifolds

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Gauge Valves

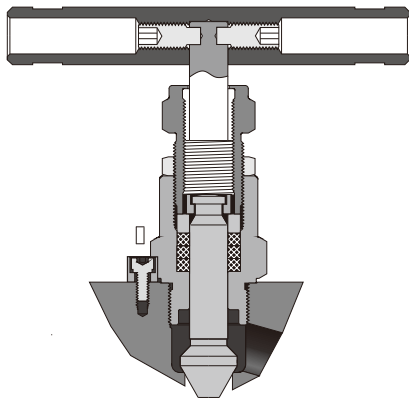
71 Series



Features

- Maximum working pressures:
 - Stainless steel: up to 6000 psig (414 bar)
 - Alloy 400: up to 5000 psig (345 bar)
- Working temperature:
 - PTFE packing: -65°F to 450°F (-54°C to 232°C)
 - Graphite packing: -65°F to 1200°F (-54°C to 649°C)
- Non-rotating lower stem, ball tip and plug tip designs
- Variety of materials for packing
- Safety back seating seals in fully open position
- Rolled spindle operating threads
- Lubricant for stem thread isolated from the media
- Externally adjustable gland
- Bonnet locking pin fitted as standard
- Low torque operating T bar handle
- Steady and durable fastening of the handle by double lock-pins
- Suitable for sour gas service; materials are selected in accordance with NACE MR0175/ISO 15156.
- Every valve is 100% factory tested with nitrogen.

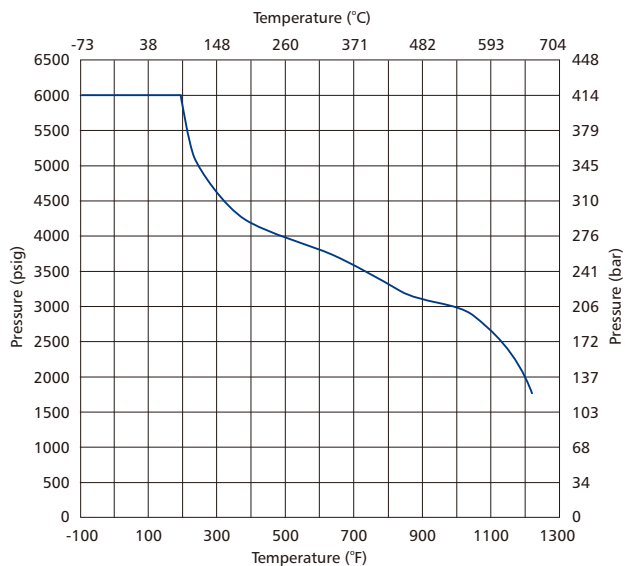
Standard Materials of Construction



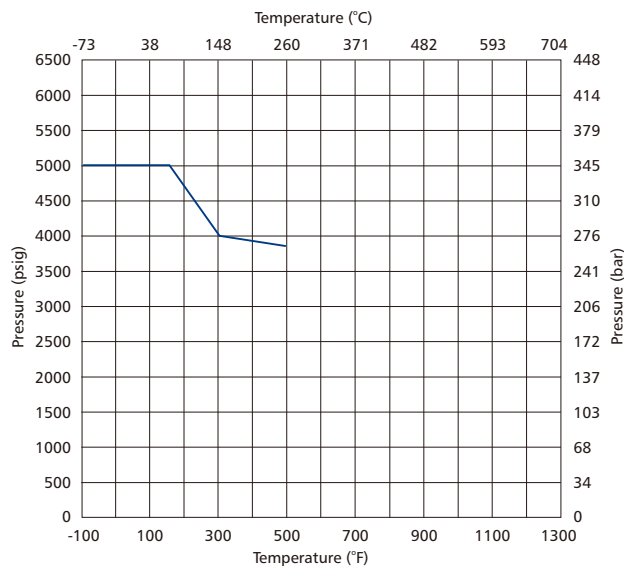
Item	Part	Valve Body Material		
		316 SS	Alloy 400	NACE MR0175
1	Handle	Anodized aluminum		
2	Set Screw	Nickel cadmium-plated steel		
3	Packing Bolt	321 SS/A276		
4	Upper Stem	316 SS/A276		
5	Lock Nut	316 SS/B783		
6	Bonnet	316 SS/A479	Alloy R-405/B164	Annealed 316 SS/A479
7	Gland	316 SS/A276		
8	Packing	PTFE or graphite		
9	Lock Pin	304 SS/A276		
10	Lower Stem	Chrome-plated 316 SS/A276	Alloy R-405/B164	Alloy R-405/B164
11	Body	316 SS/A479 316 SS/A182	Alloy 400/B164, B127,B564	Annealed 316 SS/A479
	Lubricant	Molybdenum disulfide-based		

Pressure vs. Temperature

Graphite packing with 316 SS Valve Body



Graphite packing with Alloy 400 Valve Body



Types and Dimensions

Standard Type

Basic Ordering Number	Inlet/Process	Outlet/Instrument	Test/Vent/Plug	Flow Diagram
□□71 -N8FN8	1/2 Male NPT	1/2 Female NPT	1/2 Female NPT	
□□71 -N12FN12	3/4 Male NPT	3/4 Female NPT	1/2 Female NPT	

Lagging Extension Body Type

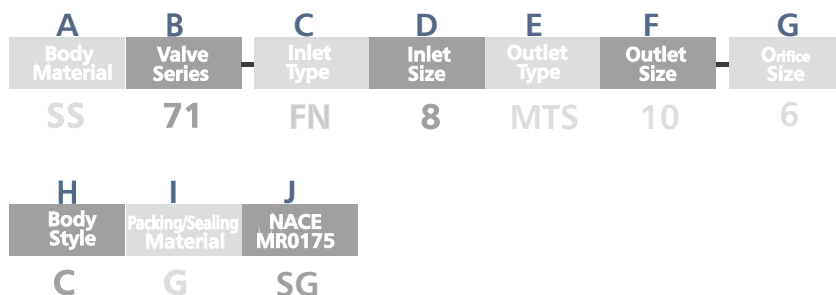
Basic Ordering Number	Inlet/Process	Outlet/Instrument	Test/Vent/Plug	Flow Diagram
□□71L -N8FN8	1/2 Male NPT	1/2 Female NPT	1/2 Female NPT	

Lagging extension body is inserted through pipe for insulation.

Miniature Type

Basic Ordering Number	Inlet/Process	Outlet/Instrument	Flow Diagram
□□71C -N8FN8	1/2 Male NPT	1/2 Female NPT	

71 Series Gauge Valves How to Order



A	Body Material
SS:	316 SS
6L:	316L SS
S4:	304 SS
4L:	304L SS
S1:	321 SS
91:	F91
92:	F92
D5:	Duplex 2205
D7:	Duplex 2507
TI:	Titanium
A20:	Alloy 20
M:	Alloy 400
INC:	Alloy 600
HC:	Alloy C-276

CE	Inlet/Outlet Type
FN	Female NPT
N	Male NPT
FR	Female BSPT
RT	Male BSPT
FM	Female ISO (for MRP)
MS	Male ISO (for MRG)
FP	Female BSPP (for RP)
BP	Male BSPP (for RG)
FX	Fractional Tube Fitting
MX	Metric Tube Fitting

DF	Inlet/Outlet Size
2	1/8"
4	1/4"
6	3/8" or 6 mm
8	1/2" or 8 mm
10	10 mm
12	3/4" or 12 mm
14	14 mm or M14 x 1.5
16	1" or 16 mm
18	18 mm
20	1 1/4" or 20 mm or M20 x 1.5
22	22 mm or M22 x 1.5
24	M24 x 1.5

H	Body Style
Standard Type Body	
C	Miniature Pattern
E	Extended Type

I	Packing/Sealing Material
Standard chevron PTFE	
P	PEEK
G	Graphite

J	NACE MR0175
Standard with no NACE applicable	
SG	With NACE MR0175

B	Valve Series
71:	71 Series Gauge Valves

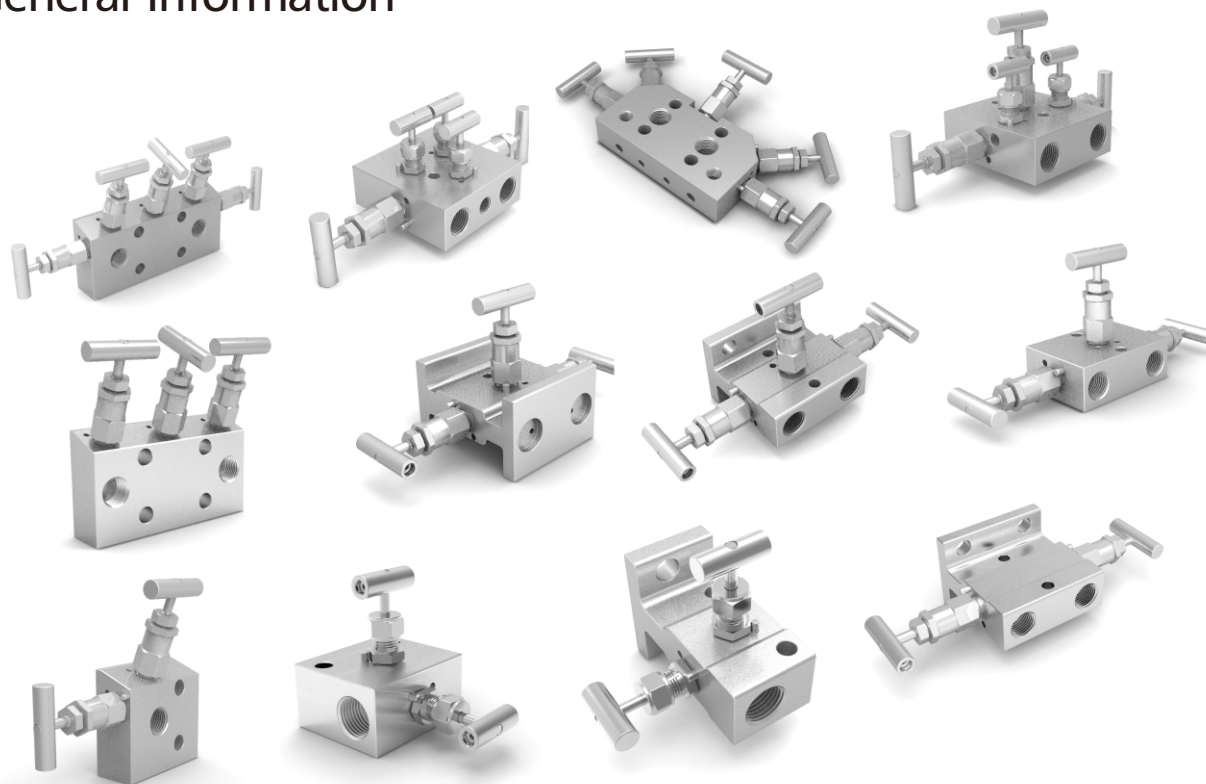
G	Tip Material
Standard Same as Body	
W	Stellite
D5	Duplex 2205
TI	Titanium Gr.4
A20	Alloy 20
INC	Alloy 600
HC	Alloy C-276

Remark:

- Standard thread pitch for metric threads are as follows:
M10 and below: 1 mm
M12 to M24: 1.5 mm
M27 and above: 2 mm
Standard thread pitch should be ignored in the ordering number, others should be specified.

Instrument Manifolds

General Information

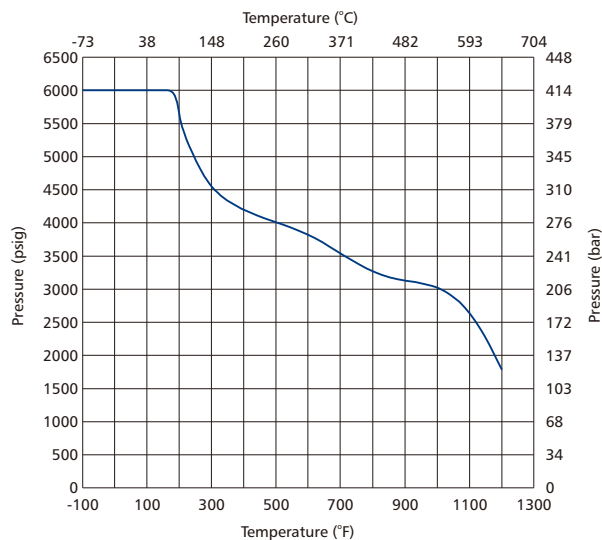


Features

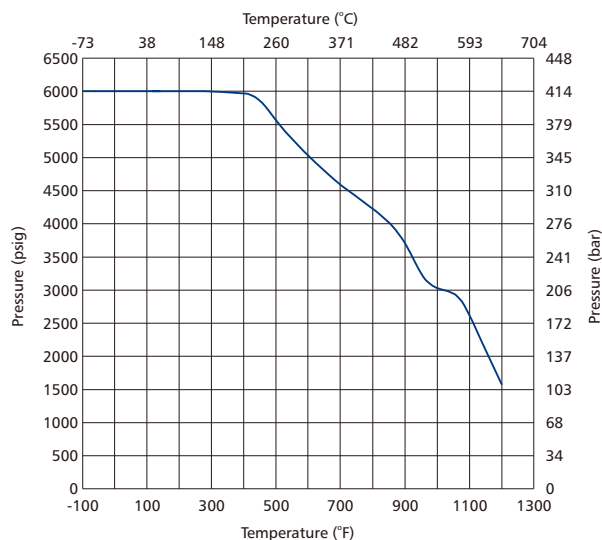
- Maximum working pressures:
 - Stainless steel: up to 6000 psig (414 bar)
 - Alloy C-276: up to 6000 psig (414 bar)
 - Alloy 400: up to 5000 psig (345 bar)
- Working temperatures:
 - PTFE packing: -65°F to 450°F (-54°C to 232°C)
 - Graphite packing: -65°F to 1200°F (-54°C to 649°C)
 - Orifice: 0.157 in. (4.0 mm), CV: 0.35
- Two-stem design: thread hardened upper stem and smooth surface hardened lower stem
 - Upper stem thread lubricant isolated from system media
- Linearly instead of helical movement of the nonrotating lower stem, avoiding galling damage to the seat and tip, as well as reducing the total friction area between the packing and the lower stem
 - Safety back seating seals in fully open position
- Steady and durable fastening of the handle by double lock-pins
-
- Suitable for sour gas service; materials are selected in accordance with NACE MR0175/ISO 15156.
- Every valve is 100% factory tested with nitrogen.

Pressure vs. Temperature

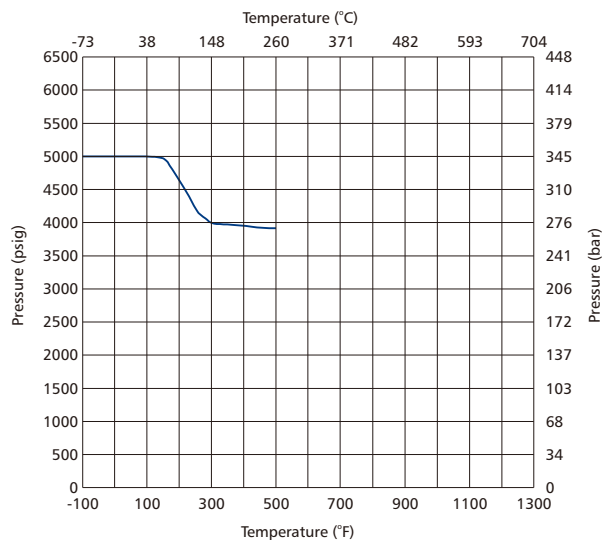
Graphite packing with 316 SS Valve Body



Graphite packing with Alloy C-276 Valve Body

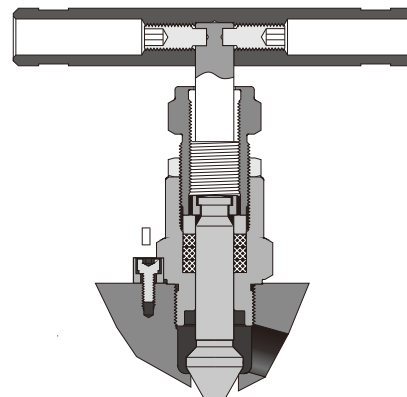


Graphite packing with Alloy 400 Valve Body



Standard Materials of Construction

Item	Part	Valve Body Material		
		316 SS	Alloy 400	Alloy C-276
1	Handle	Stainless Steel		
2	Set Screw	Nickel cadmium-plated steel		
3	Packing Bolt	321 SS/A276		
4	Upper Stem	316 SS/A276		
5	Lock Nut	316 SS/B783		
6	Bonnet	316 SS/A479	Alloy R-405/B164	Alloy C-276/B574
7	Gland	316 SS/A276		
8	Packing	PTFE or PEEK or graphite		
9	Lock Pin	304 SS/A276		
10	Lower Stem	Chrome-plated 316 SS/A276	Alloy R-405/B164	Alloy C-276/B574
11	Body	316 SS/A479 316 SS/A182	Alloy 400/B164, B127,B564	Alloy C-276/B564
Lubricant		Molybdenum disulfide-based		



Process interface valves for sour gas service are available. Materials are selected in accordance with NACE MR0175/ISO 15150. Contact the authorized representative or VFK if any request.

Instrument Manifolds

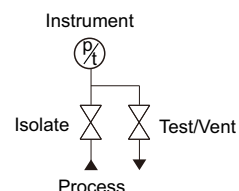
- Instrument manifold are manufactured in accordance with ANSI B31.1 and B31.3, specifications meet MSS-SP-105. Flange design meets the requirements of MSS SP-99.
- 2-valve manifold are used with pressure gauges or pressure transmitters.
- 3-valve and 5-valve manifold are used with differential pressure transmitters.

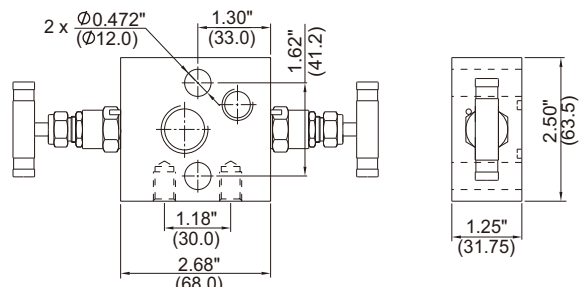
2-valve Manifolds

Consist of one block valve and one bleed valve

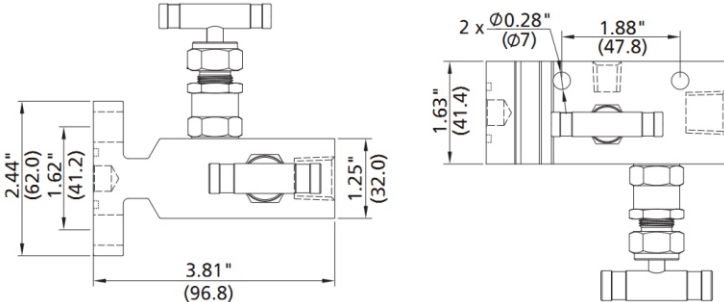
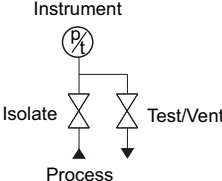
Basic Ordering Number	Inlet/Process	Outlet/Instrument	Test/Vent	Flow Diagram
<input type="checkbox"/> 72D-FN8-A <input type="checkbox"/> 72D-FN8-AG	1/2 Female NPT	Flanged	1/4 Female NPT	

Every manifold is supplied with one PTFE sealing ring for manifold-to-instrument and four 7/16" UNF x 1.75" high tensile bolts.

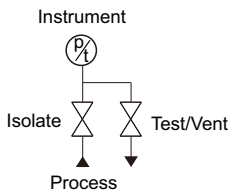
Basic Ordering Number	Inlet/Process	Outlet/Instrument	Test/Vent	Flow Diagram
<input type="checkbox"/> <input type="checkbox"/> 72D-FN8-L	1/2 Female NPT	Flange	1/4 Female NPT	
<input type="checkbox"/> <input type="checkbox"/> 72D-FN8-LG				

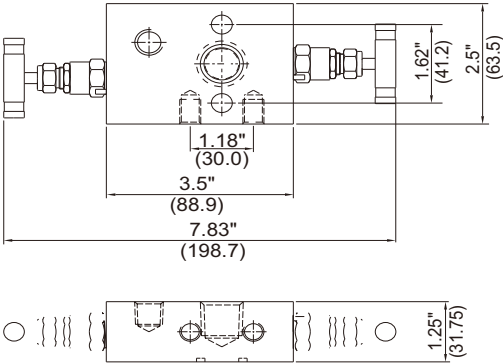


Every manifold is supplied with one PTFE sealing ring for manifold-to-instrument and two 7/16" UNF x 1.75" high tensile bolts.

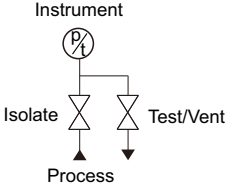
Basic Ordering Number	Inlet/Process	Outlet/Instrument	Test/Vent	Flow Diagram
<div><div>□ □ 72D-FN8-T</div><div>□ □ 72D-FN8-TG</div></div>	1/2 Female NPT	Flange	1/4 Female NPT	
<div><div></div><div></div></div>				

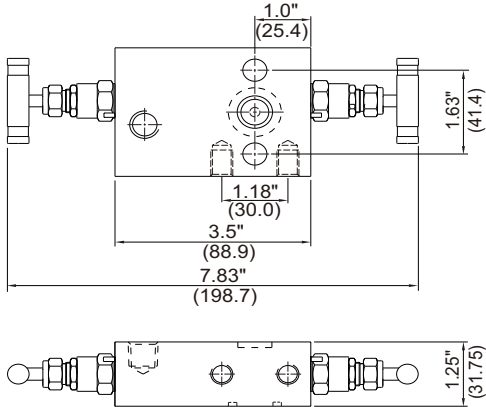
Every manifold is supplied with one PTFE sealing ring for manifold-to-instrument and two 7/16" UNF x 24 mm high tensile bolts.

Basic Ordering Number	Inlet/Process	Outlet/Instrument	Test/Vent	Flow Diagram
<input type="checkbox"/> <input type="checkbox"/> 72D-FN8-H	1/2 Female NPT	Flange	1/4 Female NPT	
<input type="checkbox"/> <input type="checkbox"/> 72D-FN8-HG				

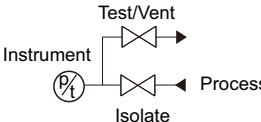
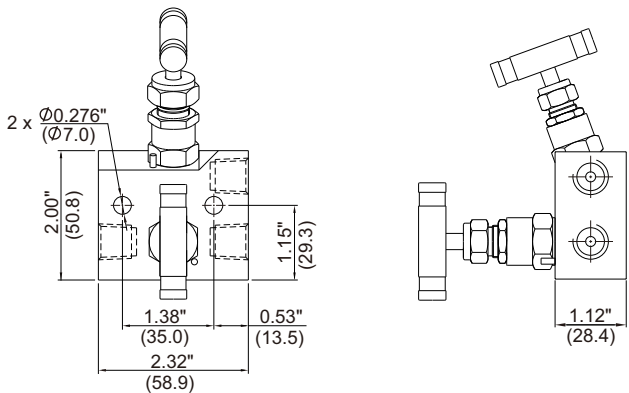


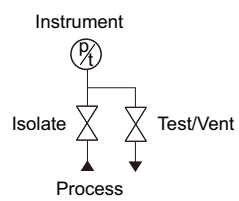
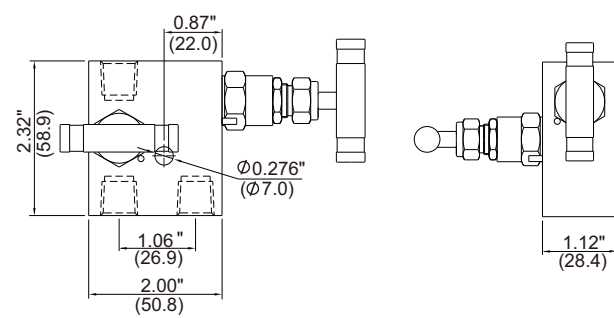
Every manifold is supplied with one PTFE sealing ring for manifold-to-instrument and two 7/16" UNF x 1.75" high tensile bolts.

Basic Ordering Number	Inlet/Process	Outlet/Instrument	Test/Vent	Flow Diagram
<input type="checkbox"/> <input type="checkbox"/> 72D-F-H	Flange	Flange	1/4 Female NPT	
<input type="checkbox"/> <input type="checkbox"/> 72D-F-HG				

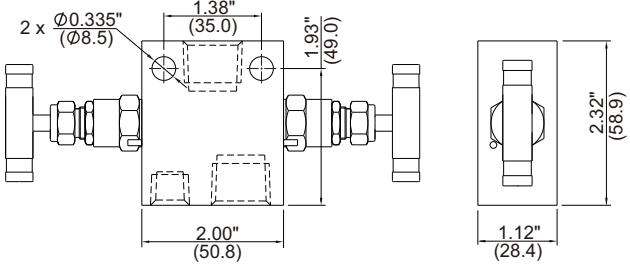
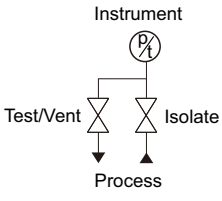


Every manifold is supplied with one PTFE sealing ring for manifold-to-instrument and two 7/16" UNF x 1.75" high tensile bolts.

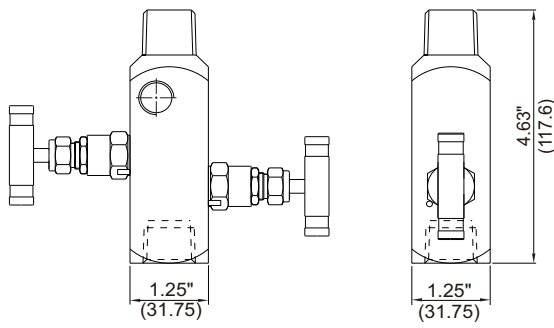
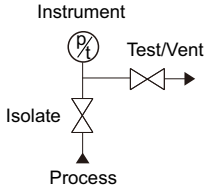
Basic Ordering Number	Inlet/Process	Outlet/Instrument	Test/Vent	Flow Diagram
<input type="checkbox"/> <input type="checkbox"/> 72R-FN4-A	1/4 Female NPT	1/4 Female NPT	1/4 Female NPT	
<input type="checkbox"/> <input type="checkbox"/> 72R-FN4-AG				
				

Basic Ordering Number	Inlet/Process	Outlet/Instrument	Test/Vent	Flow Diagram
<div><input type="checkbox"/> 72R-FN4-C</div> <div><input type="checkbox"/> 72R-FN4-CG</div>	1/4 Female NPT	1/4 Female NPT	1/4 Female NPT	
				

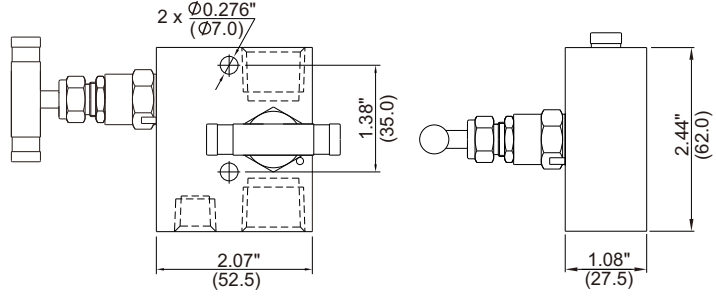
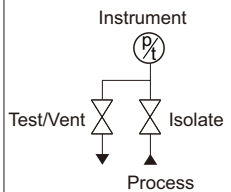
Basic Ordering Number	Inlet/Process	Outlet/Instrument	Test/Vent	Flow Diagram
□□72R-FN8-L	1/2 Female NPT	1/2 Female NPT	1/4 Female NPT	
□□72R-FN8-LG				

Basic Ordering Number	Inlet/Process	Outlet/Instrument	Test/Vent	Flow Diagram
□□72R-FN8N8-H	1/2 Female NPT	1/2 Male NPT	1/4 Female NPT	
□□72R-FN8N8-HG				
□□72R-N8-H	1/2 Male NPT	1/2 Male NPT	1/4 Female NPT	
□□72R-N8-HG				

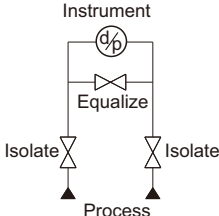



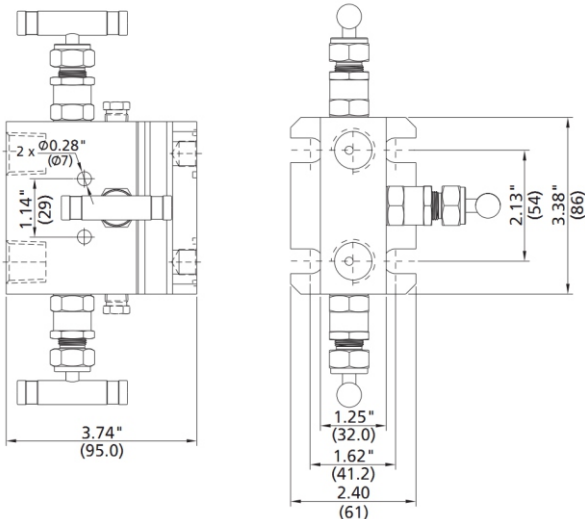
Basic Ordering Number	Inlet/Process	Outlet/Instrument	Test/Vent	Flow Diagram
□□72R-FN8-V	1/2 Female NPT	1/2 Female NPT	1/4 Female NPT	
□□72R-FN8-VG				

3-valve Manifolds

Consist of two block valves and one equalizer valve

Basic Ordering Number	Inlet/Process	Outlet/Instrument	Flow Diagram
<input type="checkbox"/> <input type="checkbox"/> 73D-FN8-T	1/2 Female NPT	Flange	
<input type="checkbox"/> <input type="checkbox"/> 73D-FN8-TG			
<input type="checkbox"/> <input type="checkbox"/> 73D-FX8-T	1/2" VFK	Flange	
<input type="checkbox"/> <input type="checkbox"/> 73D-FX8-TG			



Technical drawing of the 3-valve manifold showing front and side views with dimensions.

Front View Dimensions:

- Overall width: 3.74" (95.0)
- Top flange diameter: 2 x $\varnothing 0.28"$ ($\varnothing 7$)
- Top flange thickness: 1.14" (29)

Side View Dimensions:

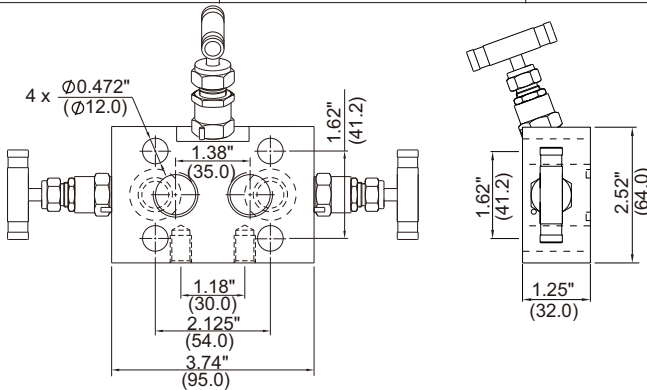
- Overall height: 3.38" (86)
- Top flange thickness: 2.13" (54)
- Bottom flange thickness: 1.25" (32.0)
- Bottom flange thickness: 1.62" (41.2)
- Bottom flange thickness: 2.40" (61)

Every manifold is supplied with two PTFE sealing rings manifold-to-instrument and four 7/16" UNF x 24 mm high tensile bolts.

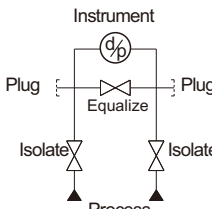
Basic Ordering Number	Inlet/Process	Outlet/Instrument	Flow Diagram	
<div><div><div></div><div></div></div><div>73D-F-I</div></div>	Flange	Flange	<pre>graph TD Instrument((Instrument d/p)) --- Equalize[Equalize] Equalize --- Isolate1[Isolate] Equalize --- Isolate2[Isolate] Isolate1 --- Process((Process)) Isolate2 --- Process</pre>	
<div><div><div></div><div></div></div><div>73D-F-IG</div></div>				

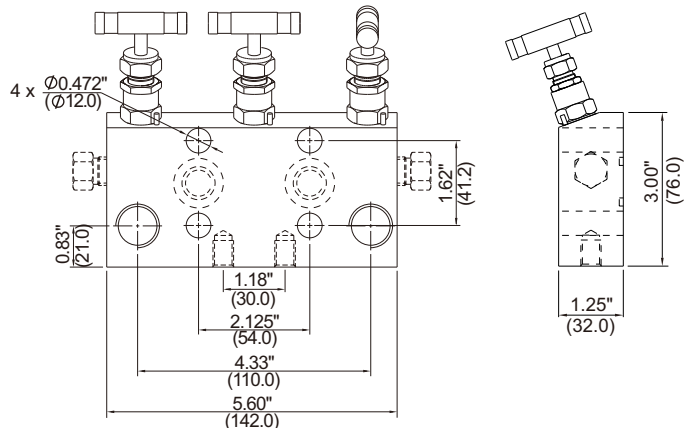
Every manifold is supplied with two PTFE sealing rings for manifold-to-instrument and eight 7/16" UNF x 24 mm high tensile bolts.

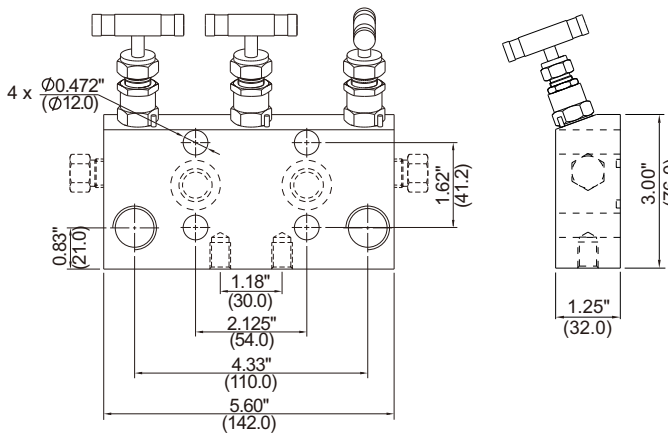
Basic Ordering Number	Inlet/Process	Outlet/Instrument	Flow Diagram
<input type="checkbox"/> <input type="checkbox"/> 73D-FN8-A	1/2 Female NPT	Flange	<pre>graph TD Instrument((Instrument)) --- Equalize[Equalize] Equalize --- Isolate1[Isolate] Isolate1 --- Process((Process)) Instrument --- Isolate2[Isolate] Isolate2 --- Process</pre>
<input type="checkbox"/> <input type="checkbox"/> 73D-FN8-AG			
<input type="checkbox"/> <input type="checkbox"/> 73D-FX8-A	1/2" VFK	Flange	
<input type="checkbox"/> <input type="checkbox"/> 73D-FX8-AG			



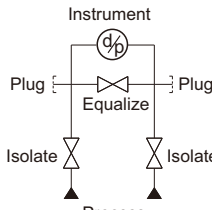
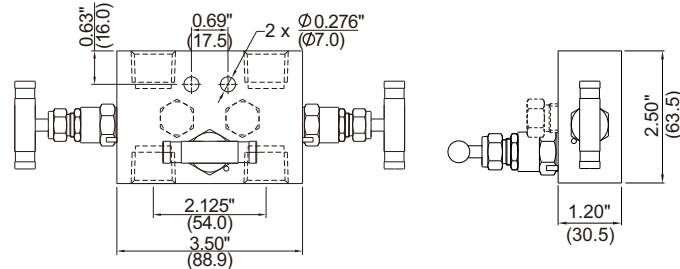
Every manifold is supplied with two PTFE sealing rings manifold-to-instrument and four 7/16" UNF x 1.75" high tensile bolts.

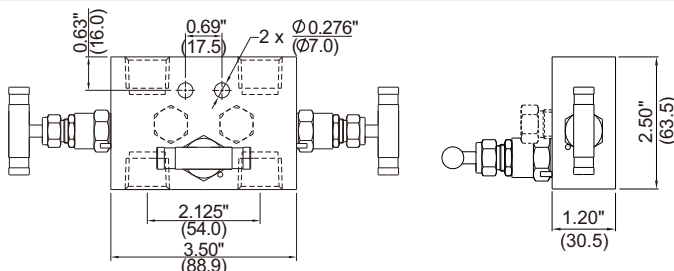
Basic Ordering Number	Inlet/Process	Outlet/Instrument	Test/Vent	Flow Diagram
□□73D-FN8-L	1/2 Female NPT	Flange	Optional	
□□73D-FN8-LG				
□□73D-FX8-L	1/2" VFK	Flange	Optional	
□□73D-FX8-LG				





Every manifold is supplied with two PTFE sealing rings for manifold-to-instrument and four 7/16" UNF x 1.75" high tensile bolts.

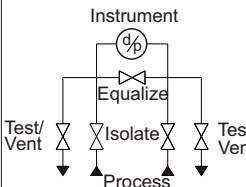
Basic Ordering Number	Inlet/Process	Outlet/Instrument	Test/Vent	Flow Diagram
<input type="checkbox"/> <input type="checkbox"/> 73R-FN8-V	1/2 Female NPT	1/2 Female NPT	Optional	
<input type="checkbox"/> <input type="checkbox"/> 73R-FN8-VG				
<input type="checkbox"/> <input type="checkbox"/> 73R-FX8-V	1/2" VFK	1/2" VFK	Optional	
<input type="checkbox"/> <input type="checkbox"/> 73R-FX8-VG				
				

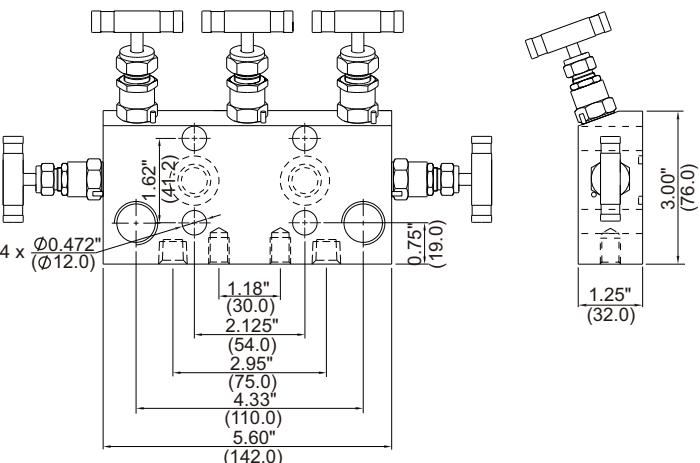


5-valve Manifolds

Double-bleed Function of 5-valve Manifold

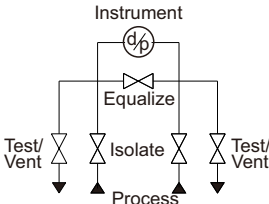
Consist of two block valves, two bleed valves, and one equalizer valve

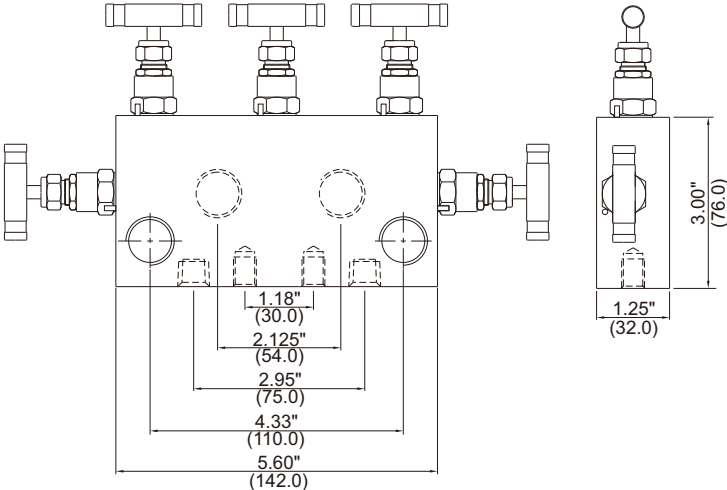
Basic Ordering Number	Inlet/Process	Outlet/Instrument	Test/Vent	Flow Diagram
<input type="checkbox"/> <input type="checkbox"/> 75D-FN8-A	1/2 Female NPT	Flange	1/4 Female NPT	
<input type="checkbox"/> <input type="checkbox"/> 75D-FN8-AG				
<input type="checkbox"/> <input type="checkbox"/> 75D-FX8-A	1/2" VFK	Flange	1/4 Female NPT	
<input type="checkbox"/> <input type="checkbox"/> 75D-FX8-AG				



Technical drawing of the 5-valve manifold. The front view shows a rectangular block with four ports on the left and one on the right. Dimensions include: 4 x Ø0.472" (Ø12.0) for the left ports, 1.62" (41.2) for the top port spacing, 1.18" (30.0) for the bottom port spacing, 2.125" (54.0) for the bottom port width, 2.95" (75.0) for the bottom port height, 4.33" (110.0) for the bottom port depth, 5.60" (142.0) for the total width, and 0.75" (19.0) for the right port offset. The side view shows a vertical port with a 1.25" (32.0) diameter and a 3.00" (76.0) height.

Every manifold is supplied with two PTFE sealing rings for manifold-to-instrument and four 7/16" UNF x 1.75" high tensile bolts.

Basic Ordering Number	Inlet/Process	Outlet/Instrument	Test/Vent	Flow Diagram
<input type="checkbox"/> 75R-FN8-L	1/2 Female NPT	1/2 Female NPT	1/4 Female NPT	
<input type="checkbox"/> 75R-FN8-LG				
<input type="checkbox"/> 75R-FX8FN8-L	1/2" VFK	1/2 Female NPT	1/4 Female NPT	
<input type="checkbox"/> 75R-FX8FN8-LG				



Basic Ordering Number	Inlet/Process	Outlet/Instrument	Test/Vent	Flow Diagram
□□75D-FN8-T	1/2 Female NPT	Flange	1/4 Female NPT	
□□75D-FN8-TG				

Every manifold is supplied with two PTFE sealing rings for manifold-to-instrument and four 7/16" UNF x 24 mm high tensile bolts.

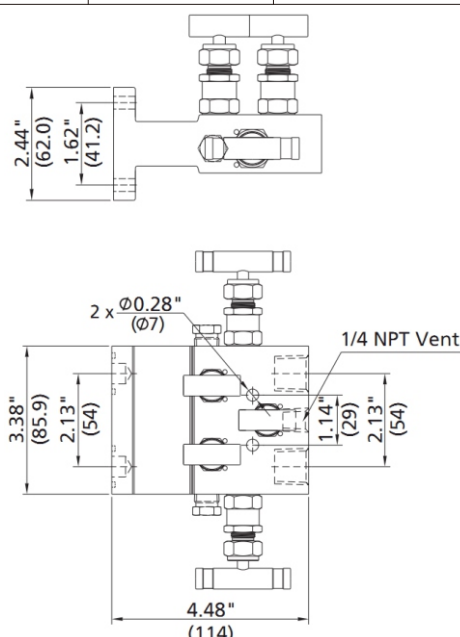
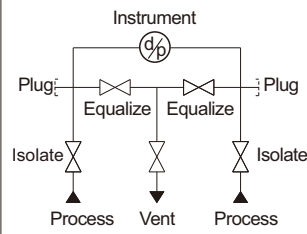
5-valve Custody Transfer/Fiscal Metering Manifold

Consist of two block valves, one bleed valve, and two equalizer valves

Basic Ordering Number	Inlet/Process	Outlet/Instrument	Vent	Test	Flow Diagram
□□75D-FN8-B	1/2 Female NPT	Flanged	1/4 Female NPT	Optional	
□□75D-FN8-BG					
□□75D-FX8-B	1/2" VFK	Flanged	1/4 Female NPT	Optional	
□□75D-FX8-BG					

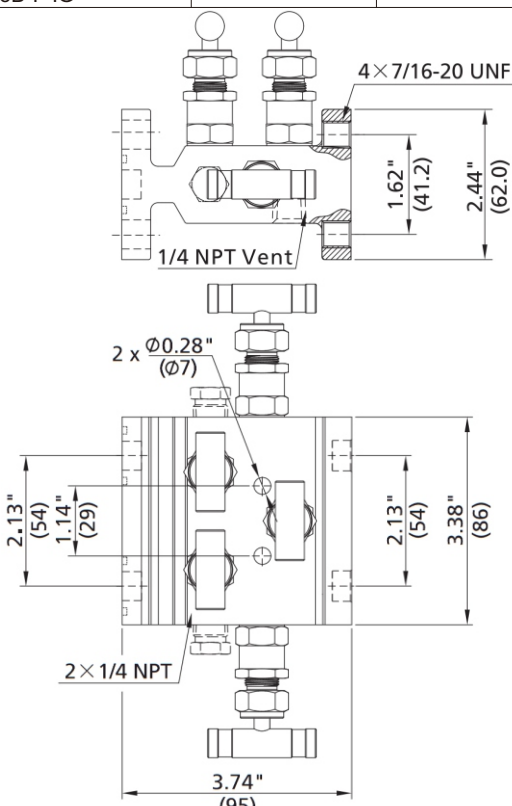
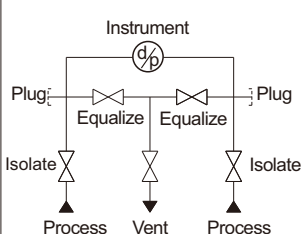
Every manifold is supplied with two PTFE sealing rings for manifold-to-instrument and four 7/16" UNF x 1.75" high tensile bolts.

Basic Ordering Number	Inlet/Process	Outlet/Instrument	Test/Vent	Flow Diagram
□□75D-FN8-TB	1/2 Female NPT	Flange	1/4 Female NPT	
□□75D-FN8-TBG				

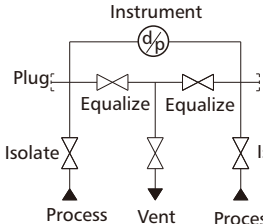



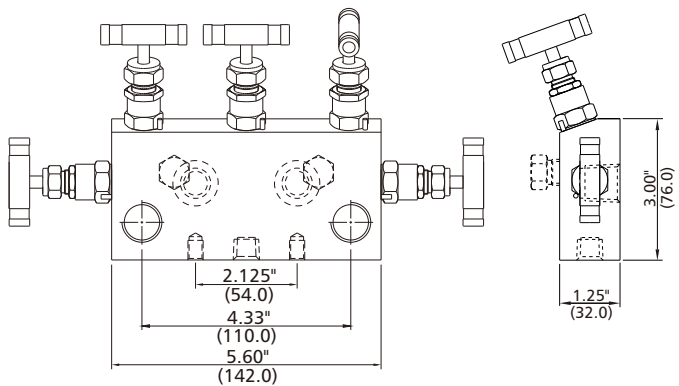
Every manifold is supplied with two PTFE sealing rings for manifold-to-instrument and four 7/16" UNF x 24 mm high tensile bolts.

Basic Ordering Number	Inlet/Process	Outlet/Instrument	Test/Vent	Flow Diagram
□□75D-F-I	Flange	Flange	1/4 Female NPT	
□□75D-F-IG				

Every manifold is supplied with two PTFE sealing rings for manifold-to-instrument and four 7/16" UNF x 24 mm high tensile bolts.

Basic Ordering Number	Inlet/Process	Outlet/Instrument	Vent	Test	Flow Diagram
<input type="checkbox"/> <input type="checkbox"/> 75R -FN8-B	1/2 Female NPT	1/2 Female NPT	1/4 Female NPT	Optional	
<input type="checkbox"/> <input type="checkbox"/> 75R -FN8-BG					
<input type="checkbox"/> <input type="checkbox"/> 75R -FX8FN8-B	1/2" VFK	1/2 Female NPT	1/4 Female NPT	Optional	
<input type="checkbox"/> <input type="checkbox"/> 75R -FX8FN8-BG					



C-Integral Manifolds

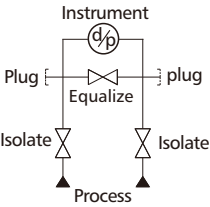
This section is presently characterized by manifold designed specifically for Rosemount® coplanar™ pressure transmitters including the model 3051C, model 3051P, model 2024 and the model 3095.

Each of the following manifold contains four 7/16" UNF x 1.75" high tensile bolts.

2-valve Manifolds

Basic Ordering Number	Inlet/Process	Outlet/Instrument	Test/Vent	Flow Diagram
□□72D -FN8-C	1/2 Female NPT	Flanged	1/4 Female NPT	
□□72D -FN8-CG				

3-valve Manifolds

Basic Ordering Number	Inlet/Process	Outlet/Instrument	Test/Vent	Flow Diagram
□□73D -FN8-C	1/2 Female NPT	Flange	Optional	
□□73D -FN8-CG				
□□73D -FX8-C	1/2" VFK	Flange	Optional	
□□73D -FX8-CG				

Technical drawing of the 3-valve manifold showing top and side views with dimensions in inches and millimeters.

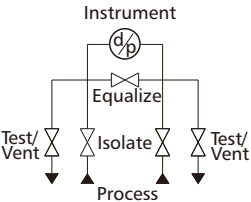
Top View Dimensions:

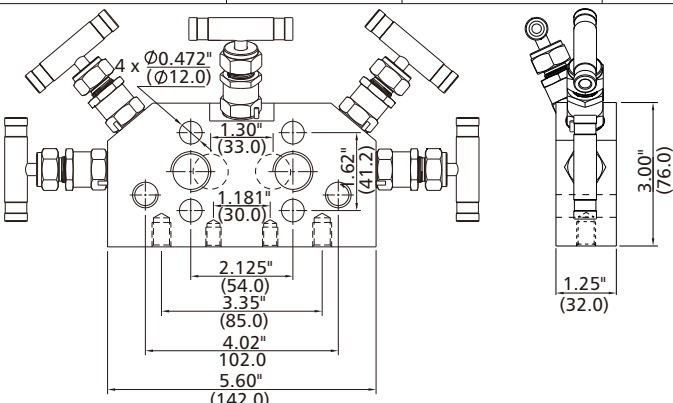
- Central Port Diameter: 1.30" (33.0)
- Port-to-Port Distance: 1.181" (30.0)
- Overall Width: 5.60" (142.0)
- Port Diameter: 0.472" (Ø12.0)
- Port-to-Port Distance (Inner): 2.125" (54.0)
- Port-to-Port Distance (Outer): 3.35" (85.0)

Side View Dimensions:

- Overall Height: 3.00" (76.0)
- Base Diameter: 1.25" (32.0)

5-valve Manifolds

Basic Ordering Number	Inlet/Process	Outlet/Instrument	Test/Vent	Flow Diagram
□□75D -FN8-C	1/2 Female NPT	Flange	1/4 Female NPT	
□□75D -FN8-CG			1/4 Female NPT	
□□75D -FX8-C	1/2" VFK	Flange	1/4 Female NPT	
□□75D -FX8-CG			1/4 Female NPT	



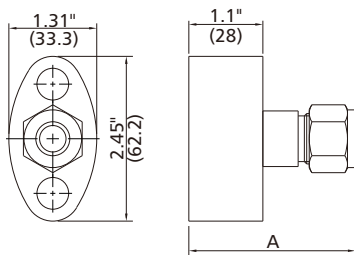
Accessories

Kidney Flange and Eccentric Flange

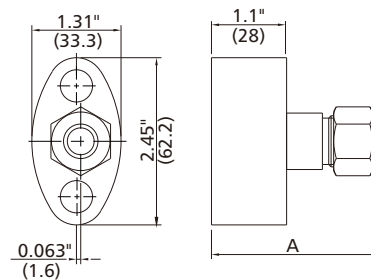
Features

- Working temperature :
PTFE: -65°F to 450°F (-54°C to 232°C)
Graphite: -65°F to 1000°F (-54°C to 538°C)
- Integral forged body
- Standard material: A182 F316

Kidney Flange



Eccentric Flange



The process connection type of transmitter can be transformed to other connection types.

Ordering Information

Basic Ordering Number	Connection Type and Size	Dimension in. (mm)
		A
SSKF-FN4	1/4 Female NPT	1.1 (28)
SSKF-FN8	1/2 Female NPT	1.1 (28)
SSKF-FX8	1/2" VFK	2.48 (63)
SSKF-PB8	1/2 PB	2.1 (53.3)

A kidney flange set contains a PTFE flange seal ring and two 7/16 - 20 UNF high tensile bolts.

The Selection of Flange Seal Materials

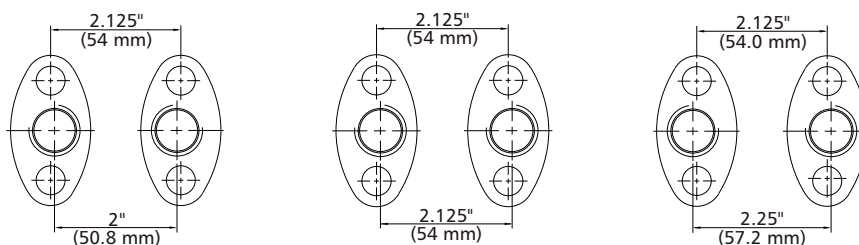
The standard flange seal material is PTFE, graphite is an option, to order graphite flange seal material, add -G as a suffix.

Ordering Information

Basic Ordering Number	Connection Type and Size	Dimension in. (mm)
		A
SSEF-FN4	1/4 Female NPT	1.1 (28)
SSEF-FN8	1/2 Female NPT	1.1 (28)
SSEF-FX8	1/2" VFK	2.48 (63)
SSEF-PB8	1/2 PB	2.1 (53.3)

1. Eccentric flange needs to be ordered in whole set.
2. A whole eccentric flange set contains two eccentric flanges, two PTFE flange seal rings and four 7/16 - 20 UNF high tensile bolts.

Various Combinations of Eccentric Flange Set



Combinations of eccentric flange set can give different center line distances of 2.0" (50.8 mm) , 2.125" (54 mm) and 2.25" (57 mm).

Instrument Manifolds How to Order

A	B	C	D	E	F	G
Body Material	Valve Series	Inlet Type	Inlet Size	Outlet Type	Outlet Size	Test Ports /Plugs
SS	75	FN	8	MTS	10	6

H	I	J
Body Style	Packing/Sealing Material	NACE MR0175
C	G	SG

A	Body Material
SS:	316 SS
6L:	316L SS
S4:	304 SS
4L:	304L SS
S1:	321 SS
91:	F91
92:	F92
D5:	Duplex 2205
D7:	Duplex 2507
TI:	Titanium
A20:	Alloy 20
M:	Alloy 400
INC:	Alloy 600
HC:	Alloy C-276

CE	Inlet/Outlet Type
FN	Female NPT
N	Male NPT
FR	Female BSPT
RT	Male BSPT
FM	Female ISO (for MRP)
MS	Male ISO (for MRG)
FP	Female BSPP (for RP)
BP	Male BSPP (for RG)
FX	Fractional Tube Fitting
MX	Metric Tube Fitting
F	Flange

DF	Inlet/Outlet Size
2	1/8"
4	1/4"
6	3/8" or 6 mm
8	1/2" or 8 mm
10	10 mm
12	3/4" or 12 mm
14	14 mm or M14 x 1.5
16	1" or 16 mm
18	18 mm
20	1 1/4" or 20 mm or M20 x 1.5
22	22 mm or M22 x 1.5
24	M24 x 1.5

H	Body Style
A	Angle Pattern
B	Double-equalize Function
C	Compact Pattern
L	Valves In-Line Mounted
H	Valves Horizontally Mounted
V	Valves Vertically Mounted
T	Valves Body "T" Style Mounted
I	Valves Body "H" Style Mounted

B	Valve Series
72D:	2-Valves Direct Mount
72R:	2-Valves Remote Mount
73D:	3-Valves Direct Mount
73R:	3-Valves Remote Mount
75D:	5-Valves Direct Mount
75R:	5-Valves Remote Mount

G	Test Ports/Plugs
Standard with no Test Ports and Plugs	
T	1/4 Female NPT with Relief Valve
P	1/4 Female NPT with Plug

I	Packing/Sealing Material
Standard chevron PTFE	
P	PEEK
G	Graphite

J	NACE MR0175
Standard with no NACE applicable	
SG	With NACE MR0175

The auxiliary installation for manifolds and transmitters of different brands

Model of FEDEX Manifolds Model of Transmitters	73(5)DXX-XX-X	73(5)RXX-FXXX-X	72DXX-XXX-X	72RXX-FXXX-X
Rosemount Transmitters				
3051 CD X X 2 (3, 4, 5, 7, 8) X X X X	A4			
3051 CD X X 0 X X X X H2 (H3, H4, H7, HJ)	A1			
3051 CD X X 0 X X X X HK	A2			
3051 CD X X 0 X X X X HL	A3			
3051 CD X X 0 X X X X DF	A5	A		
3051 CG (CA) X X 2 (3, 4, 5, 7, 8) X X X X			A4	
3051 CG (CA) X X 0 X X X X H2 (H3, H4, H7, HJ)			A1	
3051 CG (CA) X X 0 X X X X HK			A2	
3051 CG (CA) X X 0 X X X X HL			A3	
3051 CG (CA) X X 0 X X X X DF			A5	A
1151 D (H) P 3 (4, 5) X XX XX	A1			
1151 A (G) P 3 (4, 5) X XX XX			A1	
1151 D (H) P X X XX XX DF	A5	A		
EJA Transmitters				
EJA1X0A-XXX0 (5) X-XXXX	A1			
EJA1X0A-XXX1 (2, 3, 4) X-XXXX	A5	A		
EJA3 (4, 5) X0A-XXX0 (5)X-XXXX			A1	
EJA3 (4, 5) X0A-XXX1 (2,3,4)X-XXXX			A5	A
Honeywell Transmitters				
STDXXX-XXA-XXX	A1			
STDXXX-XXH-XXX	A5	A	A5	
STXXX-XXG-XXX			A1	A
STGXXX-XXA-XXX				
SMXXXX-XXA-XXX	A1			
SMXXXX-XXH-XXX	A5	A		
SIEMENS Transmitters				
7MF433X-XXX0 (4) X-XXXX			A2	A
7MF433X-XXX2 (6) X-XXXX			A1	A
7MF44 (5) 3X-XXX0 (4) X-XXXX	A2			
7MF44 (5) 3X-XXX2 (3, 6, 7) X-XXXX	A1			
7MF44 (5) 3X-XXX1 (5) X-XXXX	A3			

A: Connecting with fittings

A1: Connecting with flange and sealing rings, using 7/16 - 20 UNF x 1.75" bolts

A2: Connecting with flange and sealing rings, using M10 x 40 mm bolts

A3: Connecting with flange and sealing rings, using M12 x 40 mm bolts

A4: Connecting with flange and sealing rings, using 7/16 - 20 UNF x 3" bolts

A5: Remove the kidney flanges and then connect with flange and sealing rings



VFK

VFK FLUID CONTROL CO.,LTD

Add: No.18 Danyan Road, Fenghuang Industrial Park, Danyang, Jiangsu, P.R.China

Tel: 0086-511-86197685

Fax: 0086-511-86535052

[Http://www.vfkgroup.com](http://www.vfkgroup.com)