

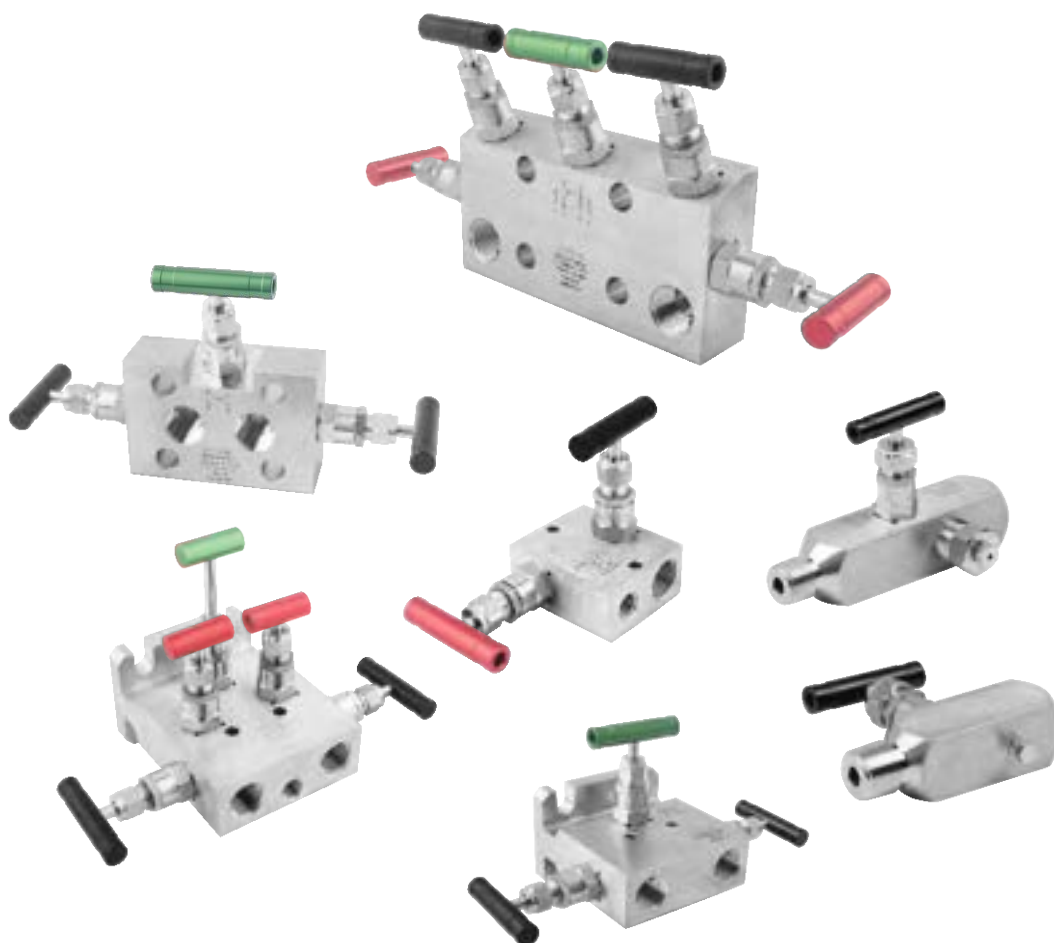
Gauge Valves and Instrumentation Manifolds

GV, GVH, GR Series

2D, 2R, 2DH, 2RH Series 2-valve Manifolds

3D, 3R, 3DH, 3RH Series 3-valve Manifolds

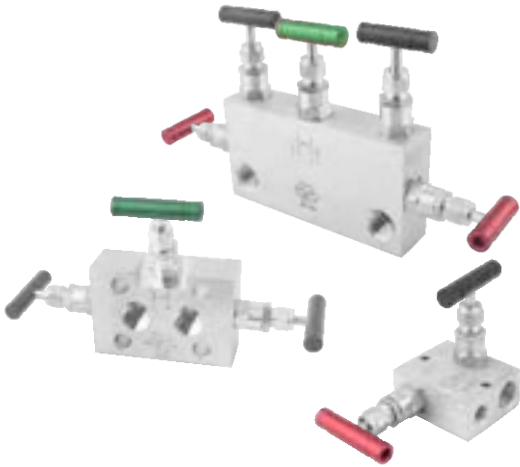
5D, 5R, 5DH, 5RH Series 5-valve Manifolds



Instrumentation Manifolds

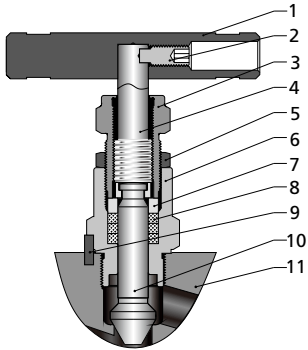
Features

- Working pressure:
2D, 2R, 3D, 3R, 5D, 5R series up to 6000 psig (414 bar)
2DH, 2RH, 3DH, 3RH, 5DH, 5RH series up to 10000 psig (690 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)
- Orifice: 0.157" (4.0 mm)
- Two-piece stem design: Upper stem threads cold rolled and lower stem hardened for high strength and smooth operation
- Upper stem thread lubricant isolated from system media
- Linear instead of rotary motion of the rising, non-rotating stem minimizes packing abrasion and reduces the friction between the seat and the tip
- Safety back seating seals in fully open position
- Steady and durable fastening of the handle by handle set screw
- Every manifold leak tested at factory at rated working pressure



Standard Materials of Construction

Item	Component	Valve Body Material	
		316 SS	Alloy C-276
		Material Grade/ASTM Specification	
1	Handle	Aluminum alloy	
2	Set Screw	Zinc-plated carbon steel	
3	Packing Bolt	304 SS/A479	
4	Upper Stem	316 SS/A479	
5	Lock Nut	Stainless steel	
6	Bonnet	316 SS/A479	Alloy C-276/B574
7	Gland	316 SS/A479	
8	Packing	PTFE or Graphite	
9	Lock Pin	Stainless steel	
10	Lower Stem	Hardened 316 SS/A479	Alloy C-276/B574
11	Body	316 SS/A479 316 SS/A182	Alloy C-276/B564
Lubricant		Molybdenum disulfide-based	

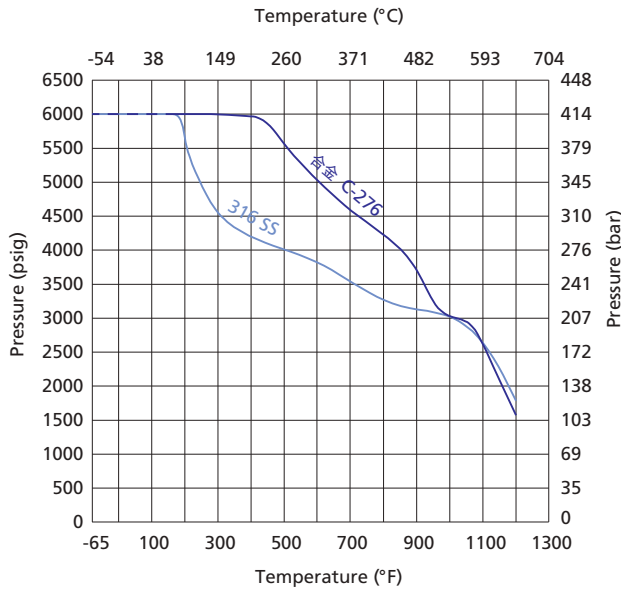


Handle colors indicate function:
BLACK=Isolate
RED=Vent
GREEN=Equalize

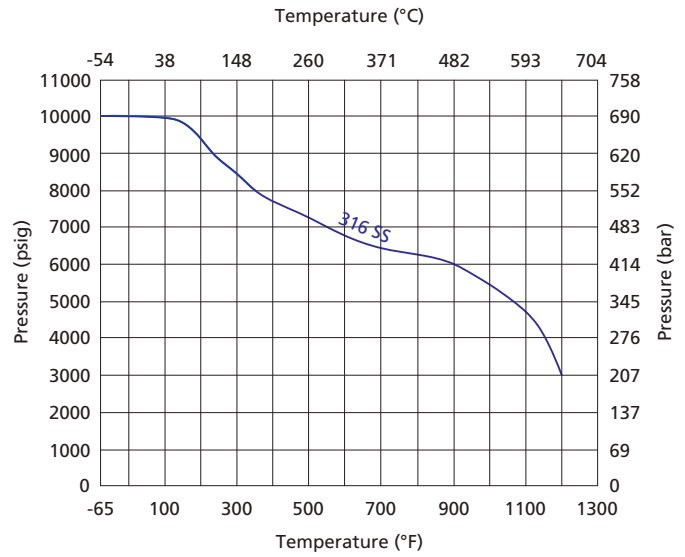
Note: Wetted components are listed in italics.

Pressure vs. Temperature

2D, 2R, 3D, 3R, 5D, 5R Series



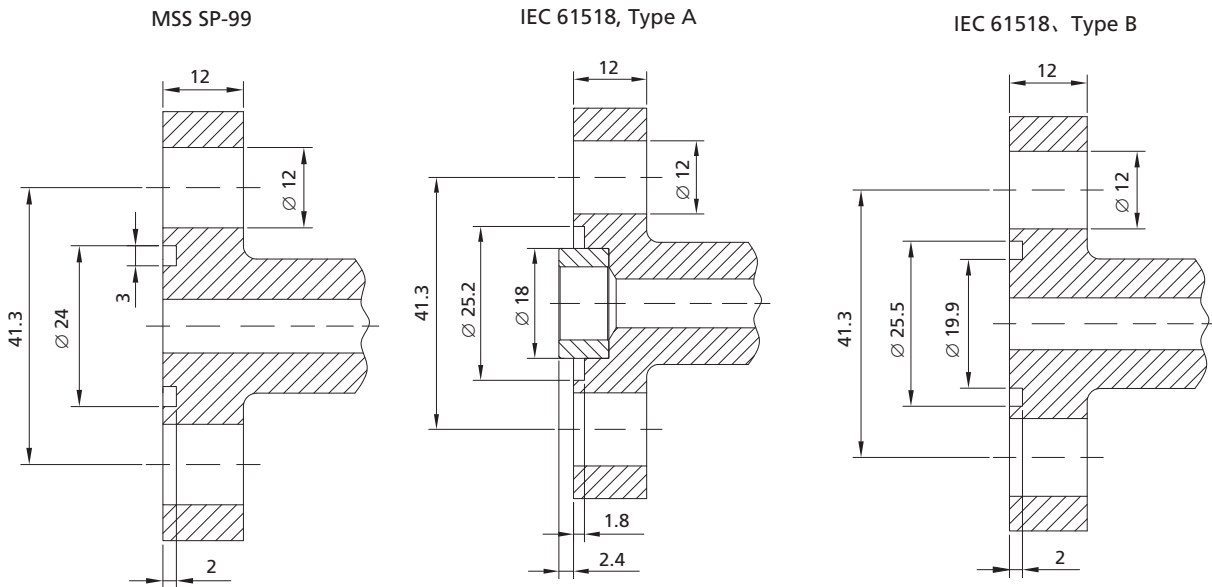
2DH, 2RH, 3DH, 3RH, 5DH, 5RH Series



1. Based on graphite packing.
2. Contact FITOK Group or our authorized distributors for curve graph of other materials.

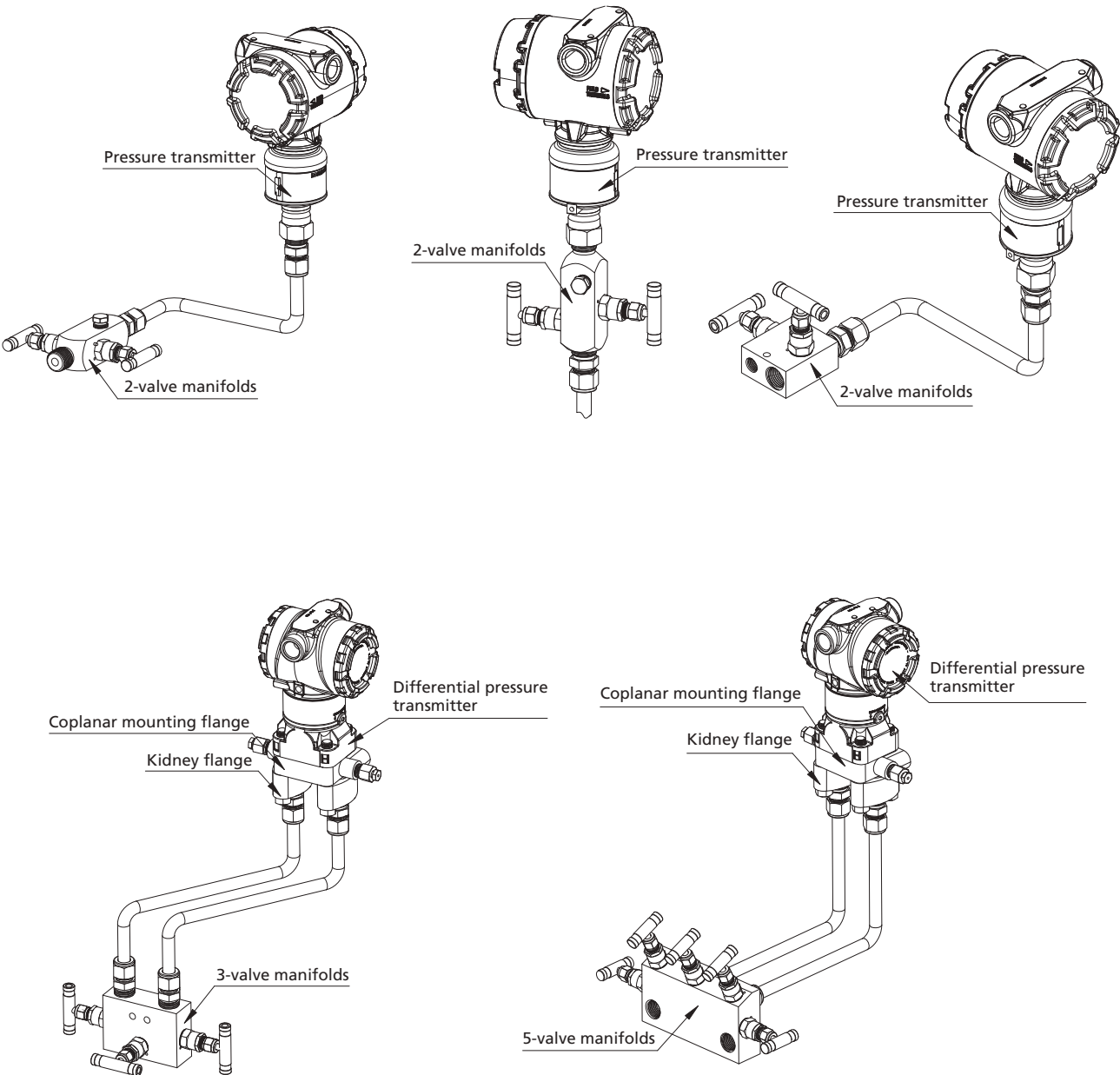
Design Standards

⊙ Flanges in compliance with MSS SP-99 or IEC 61518 are available. Dimensions are as follows.

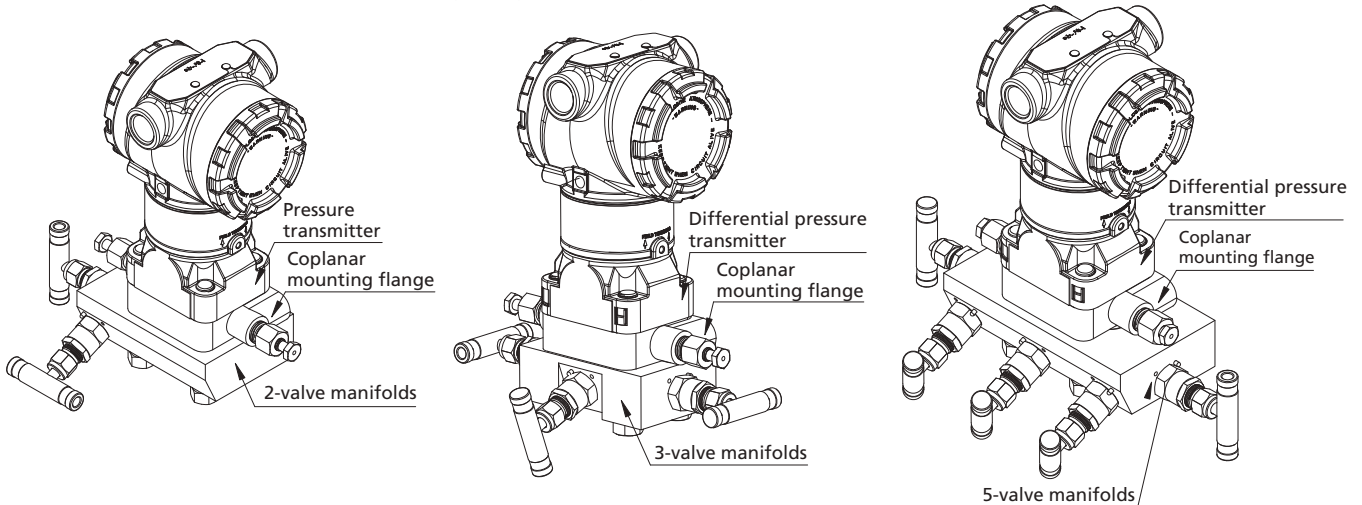


Manifolds Mounting Application

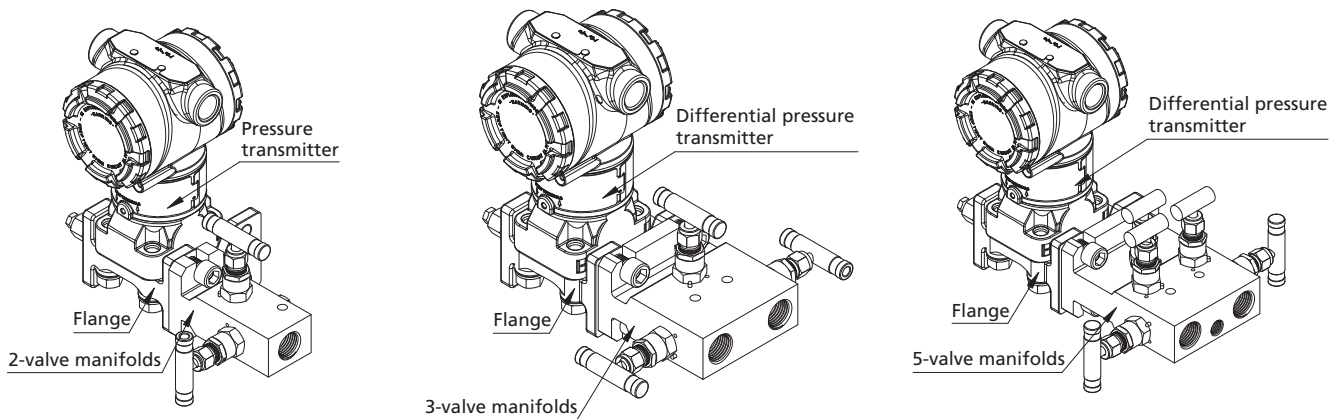
- Remote Mount Manifolds (with transmitter)
For 2R, 2RH, 3R, 3RH, 5R, 5RH series manifolds



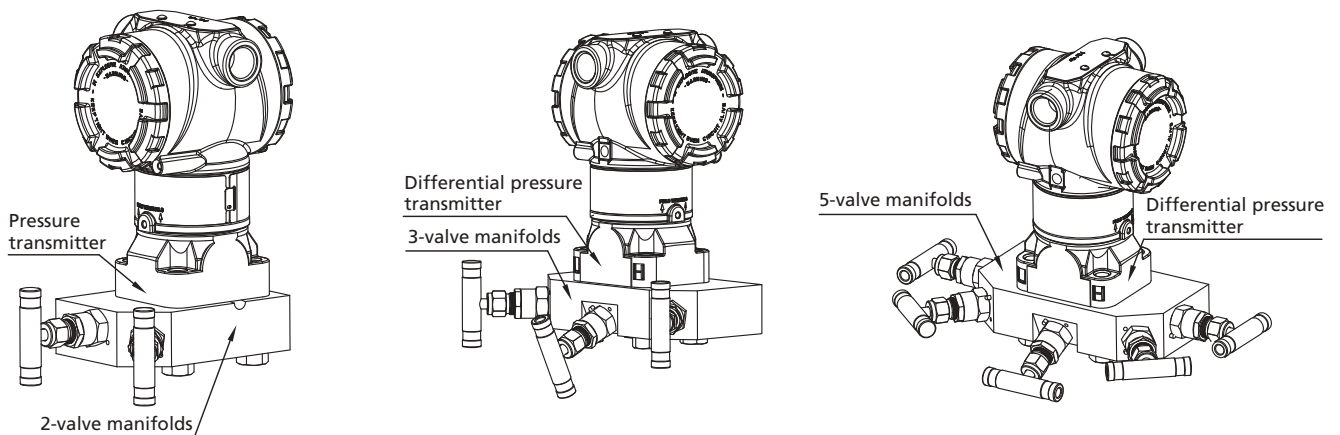
- Direct Mount Manifolds (transmitter with coplanar mounting flange)
For 2D, 2DH, 3D, 3DH, 5D, 5DH series layout type A and type L manifolds



- Direct Mount Manifolds (transmitter with traditional flange)
For 2D, 2DH, 3D, 3DH, 5D, 5DH series layout type V manifolds



- Direct Mount Manifolds (transmitter without flange)
For integrated mount 2D55-FNS8-C, 3D55-FNS8-C-T, 5D55-FNS8-C manifolds only

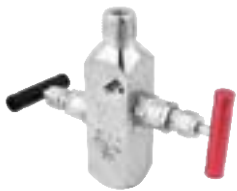


Types and Dimensions

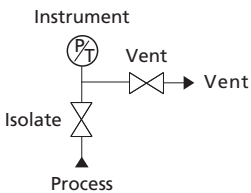
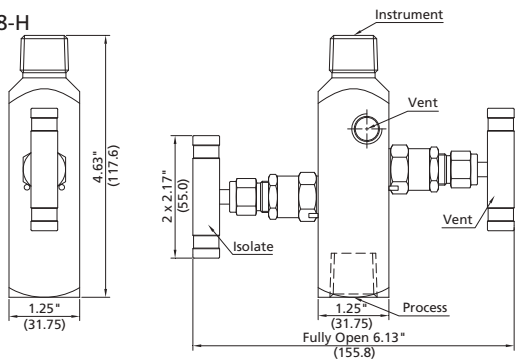
Remote Mount Manifolds

2-valve manifolds

Basic Ordering Number	Process	Instrument	Vent
2R□□-FNS8-NS8-H	1/2 Female NPT	1/2 Male NPT	1/4 Female NPT
2RH□□-FNS8-NS8-H			
2R□□-NS8-H	1/2 Male NPT		
2RH□□-NS8-H			
2R□□-NS8-H-P			1/4 Female NPT with plug



2R□□-FNS8-NS8-H

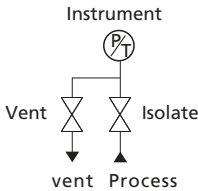
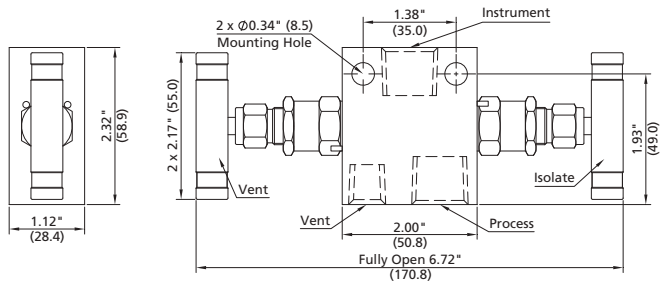


The dimensions shown are for 2R series manifolds. If you need the dimensions of 2RH series, please contact FITOK Group or our authorized distributors.

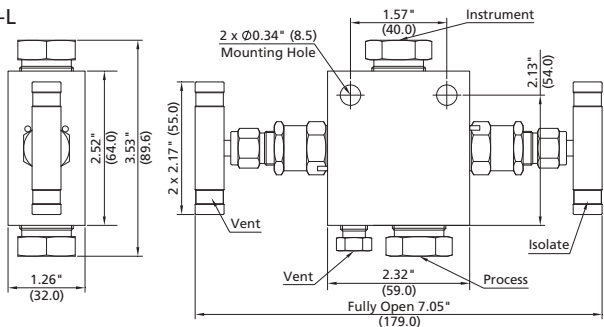
Basic Ordering Number	Process	Instrument	Vent
2R□□-FNS8-L	1/2 Female NPT	1/2 Female NPT	1/4 Female NPT
2R□□-FNS8-L-P			1/4 Female NPT with Plug
2R□□-NFL8-L	1/2" Female FITOK Tube Fitting	1/2" Female FITOK Tube Fitting	1/4" Female FITOK Tube Fitting



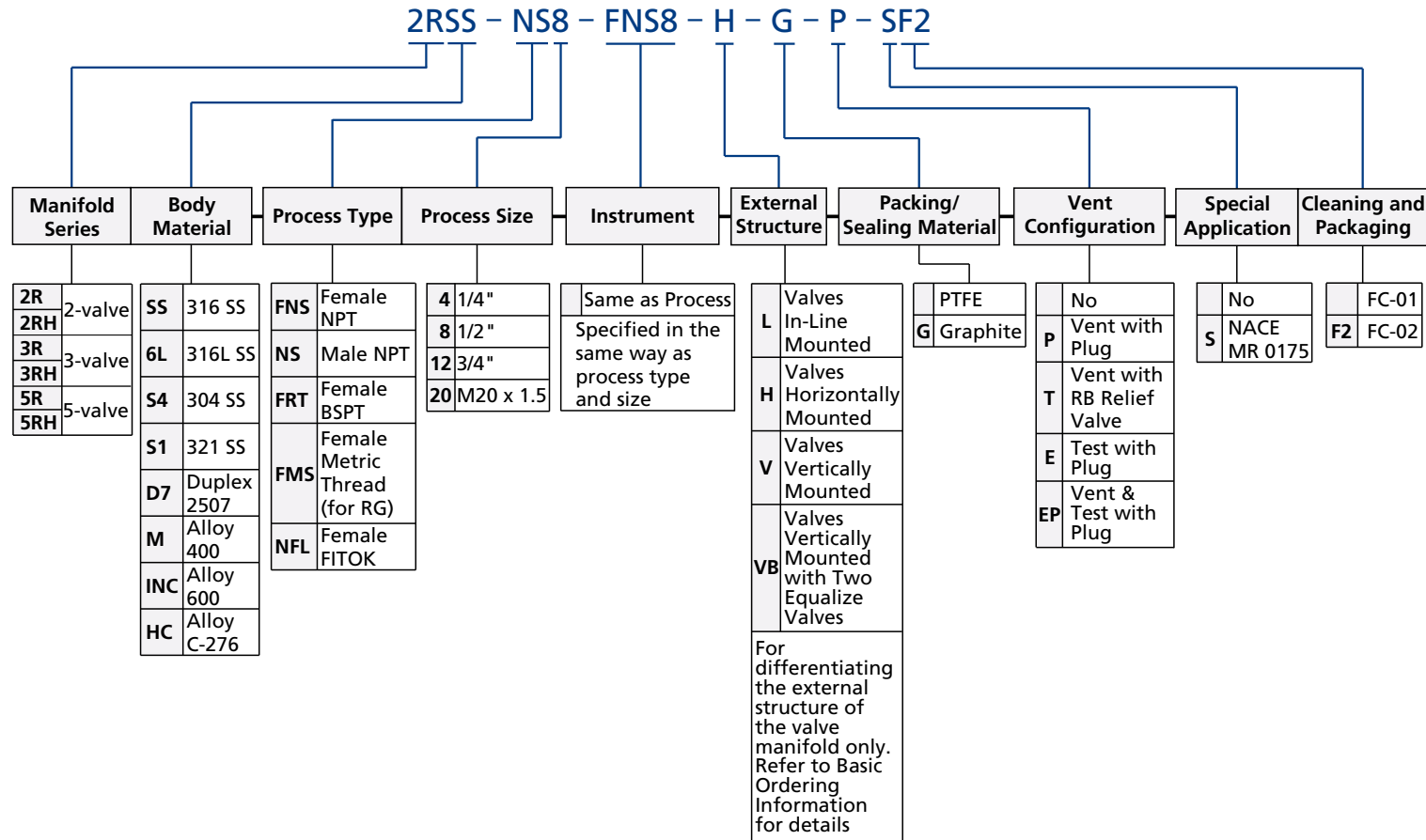
2R□□-FNS8-L



2R□□-NFL8-L



Ordering Number Description



Notes:

1. Cleaning and Packaging:

FC-01: Standard cleaning and packaging for general industrial procedures.

FC-02: Special cleaning and packaging for wetted system components to ensure compliance with product cleanliness requirement as stated in ASTM G93 Level C.

2. "Ordering Number Description" is a reference to understand the combination rules of FITOK product part number. Not all combinations are available, If you have any questions, please contact FITOK Group or our authorised distributors.

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FK-IC-GV-12-EN-250121