



Manifold Valve



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13  SS-JFG5A1-LW8-R



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14  SS-JFG5C3-LW8-D



14  SS-JFG5C3-SK8-D



15  SS-JFG5C4-LW8-R



15  SS-JFG5C4-SK8-R



15  SS-JFG5T1-LW8-D



15  SS-JFG5T1-
SK12mm-D



15  SS-JFG5G-FG-D



XYF ----JFGseries Instrument Manifolds

Product Features:

XYF-JFG series instrument manifolds are used for static & hydraulic pressure based on the transmitters for pressure, differential pressure, flow rate, liquid level and etc at home and abroad. 3-valve & 5-valve manifolds are designed for differential pressure. There are many kinds of structure types and end connections for model selection. All the instrument manifolds have been widely used in engineer projects of oil refining, chemical industry, electrics, coal-to-hydroxide, metallurgy, nuclear power and so on.

Valve Features:

Controlled by a group of needle valves made of stainless steel. The function of each valve (pressure-shutting off, pressure drainage or pressure balancing) is determined by its definite position on the manifolds. All these functions are undertaken by two kinds of needle valves: needle valves with big bonnet are used for the manifolds with nominal diameter of 0.156in(4.0mm), and needle valves with small bonnet are used for the manifolds with nominal diameter of 0.125in (3.2mm).





Structure Feature of Manifold:

- Series valve manifolds are designed as 2-valve manifolds for static pressure and liquid level. 3-valve & 5-valve are designed for differential pressure.
- Series valve manifolds are designed to be of horizontal type. The tube fittings of 1/2in & $\Phi 12\text{mm}$ are used for manifolds connection by 1/2 in female and flange (MSS SP-99).

The flange selected should meet the requirements in MSS SP-99.

The flange sealing and bolts should be supplied at the same time

- ☐ Stainless steel pins are supplied accordingly between the bonnet and the valve sealing to prevent the bonnet dropping from the body.
- ☐ Sealing gasket is not necessary since the body and the bonnet are sealed by metal to metal sealing.
- ☐ One-piece designing can increase the strength.
- ☐ The size of the center hole 2-1/8" in (54mm) is convenient for the instrument calibrating with flange connection.
- ☐ Female tube fittings and NPT thread fittings are used for long-distance installation.



XYF ----JFGseries Instrument Manifolds

Technical Data:

- ◎ Operating pressure of stainless steel manifolds would be 6000psi (413bar).
- ◎ Operating temperature of standard PTFE would be -54~232°C (-65~450 °F)
- ◎ Operating temperature of standard graphite would be -54~649 °C (-65~1200 °F)
- ◎ Operating temperature of standard graphite would be -28~232 °C (-20~450 °F)
- ◎ Inner nominal diameter of the valve would be 0.125in (3.2mm), 0.156in (4.0mm).

◎ Pressure Class

Material F (°C) Temperature	316SS Operating pressure psi (bar)	Material ° F (°C) Temperature	316SS Operating pressure psi (bar)
-65 (-53) -100 (37)	6000 (413)	750 (398)	3520 (242)
200 (93)	5160 (355)	800 (426)	3460 (238)
250 (121)	4910 (338)	850 (454)	3380 (232)
300 (148)	4660 (321)	900 (482)	3280 (225)
350 (176)	4470 (307)	950 (510)	3220 (221)
400 (204)	4280 (294)	1000 (537)	3030 (208)
450 (232)	4130 (284)	1050 (565)	3000 (206)
500 (260)	3980 (274)	1100 (593)	2685 (148)
500 (260)	3870 (266)	1150 (621)	2285 (157)
600 (315)	3760 (259)	1200 (648)	1715 (118)
650 (343)	3700 (254)	—	—
700 (371)	3600 (248)	—	—



Order information for Manifolds

1

2

3

4

5

6

7

1=material	
S	carbon steel
SS	316 stainless steel
SS1	321 stainless steel
SS2	304 stainless steel
HC	C-276 alloy
M	400/R-405 alloy
INC	600 alloy
Ti	Titanium alloy

2 Manifolds series	
JFG	manifolds series

3 manifolds code	
2	2-valve manifold
3	3-valve manifold
5	5-valve manifold

4 manifolds type	
A	horizontal
B	Right angle
C	Straight line
T	T-type
G	I-shaped
F	Flange type

Model: SS-JFG3A-SK8-D	
SS	316 SS
JFG	Manifold series
3	3-valve manifold
A	horizontal
SK	double ferrule
8	1/2 Tube fitting size
D	coplanar flange

5=process interface	
SK	ferrule
LW	thread
GH	butt welding
FG	flange

6 size	
4	1/4in
6	3/8in
8	1/2in
6mm	6mm
8mm	8mm
10mm	10mm
12mm	12mm

7 instrument connection	
D	coplanar flanges
R	long-distance installation

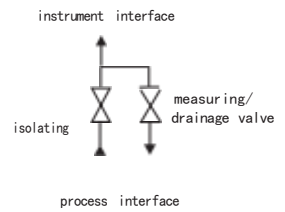
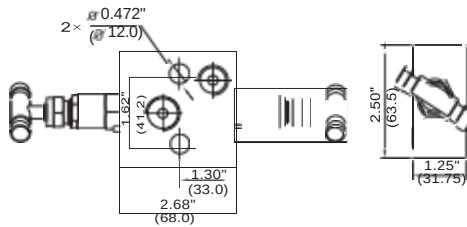
Model: MSS-JFG3T-LW8-D	
M	Alloy 400/R-405
JFG	Manifold series
3	3-valve manifold
LW	thread
8	1/2 in
D	coplanar flange



XYF ----JFGseries Instrument Manifolds

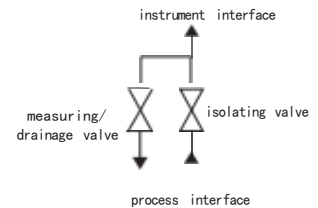
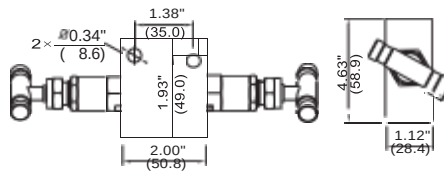
2 valve manifolds

Order information	inlet/process interface	outlet/instrument	measuring port/drainage port
SS-JFG2A-LW8-D	1/2"NPT	coplanar flange	1/4"NP female

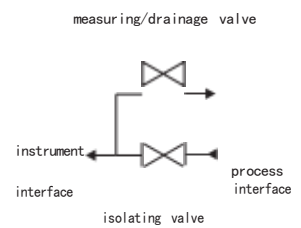
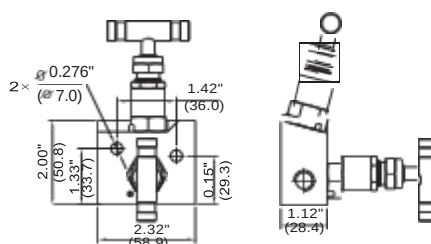


One PTFE sealing ring and two 7/16" UNF bolts with high strength are supplied accordingly.

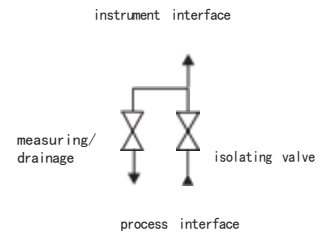
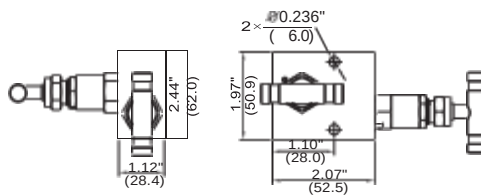
Order information	inlet/process interface	outlet/instrument	measuring port/drainage port
SS-JFG2A-LW8-R	1/2"NPT female	1/2"NPT female	1/4"NPT female



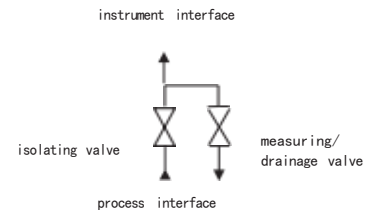
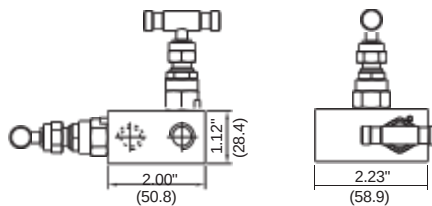
Order information	inlet/process interface	outlet/instrument	measuring port/drainage port
SS-JFG2B1-LW4-R	1/4"NPT female	1/4"NPT female	1/4"NPT female



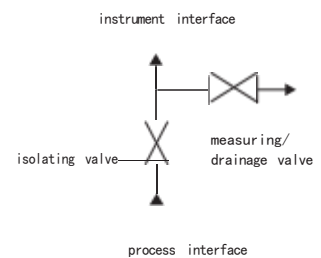
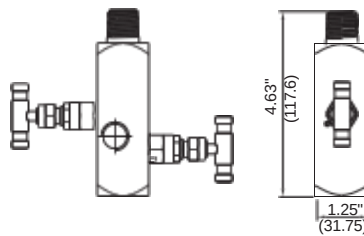
Order information	inlet/process interface	outlet/instrument	measuring port/drainage port
SS-JFG2B2-LW8-R	1/2"NPT female	1/2"NPT female	1/4"NPT female



Order information	inlet/process interface	outlet/instrument	measuring port/drainage port
SS-JFG2B3-LW4-R	1/4"NPT female	1/4"NPT female	1/4"NPT female



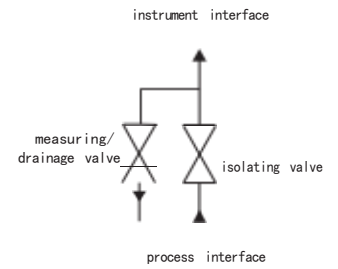
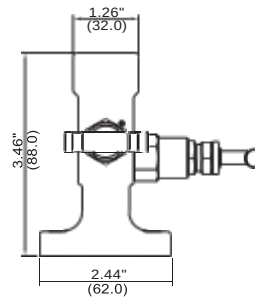
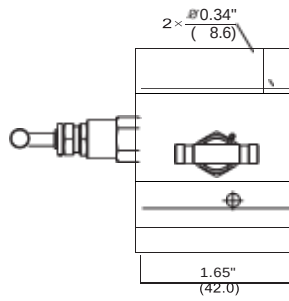
Order information	inlet/process interface	outlet/instrument	measuring port/drainage port
SS-JFG2B4-LW8-R	1/2"NPT Male	1/2"NPT Female	1/4"NPT female



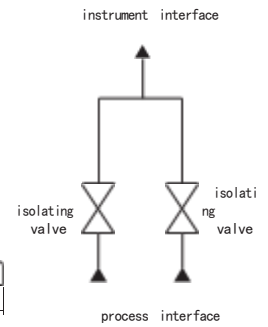
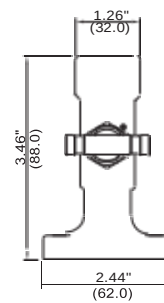
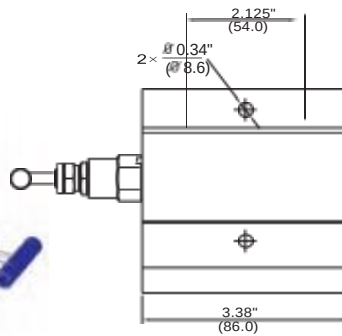


XYF ----JFGseries Instrument Manifolds

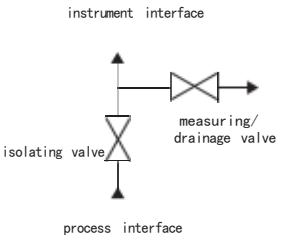
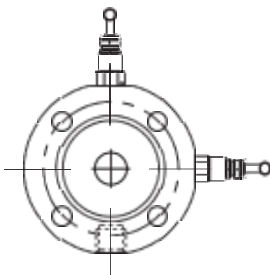
Order information	inlet/process interface	outlet/instrument	measuring port/drainage port
SS-JFG2T1-LW8-D	1/2"NPT female	coplanar flange	1/4"NPT female



Order information	inlet/process interface	outlet/instrument	measuring port/drainage port
SS-JFG2T2-LW8-D	1/2"NPT female	coplanar flange	1/4"NPT female

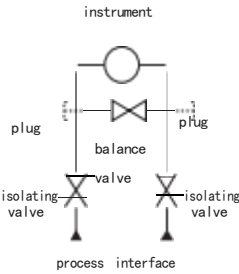
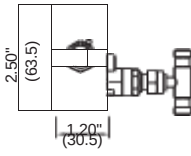
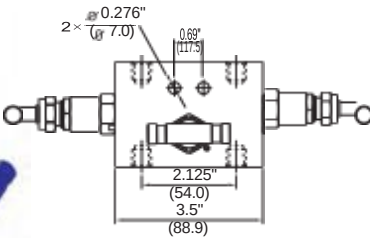


Order information	inlet/process interface	outlet/instrument	measuring port/drainage port
SS-JFG2F-LW4-D	1/4"NPT female	standard flange	1/4"NPT female
SS-JFG2F-LW6-D	3/8"NPT female	standard flange	3/8"NPT female
SS-JFG2F-LW8-D	1/2"NPT female	standard flange	1/2"NPT female
SS-JFG2F-LW12-D	3/4"NPT female	standard flange	3/4"NPT female
SS-JFG2F-LW16-D	1"NPT female	standard flange	1"NPT female
SS-JFG2F-LW24-D	1 1/2"NPT female	standard flange	1 1/2"NPT female



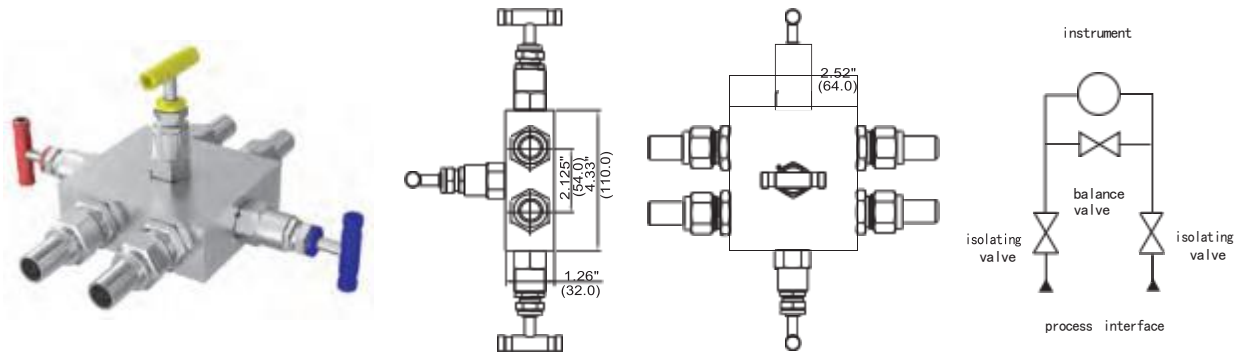
3 valve manifolds

Order information	inlet/process interface	outlet/instrument	measuring port/drainage port
SS-JFG3A1-LW8-R	1/2"NPT female	1/2"NPT female	selection
SS-JFG3A2-SK8-R	1/2"XYG-NPT	1/2"XYG-NPT	selection

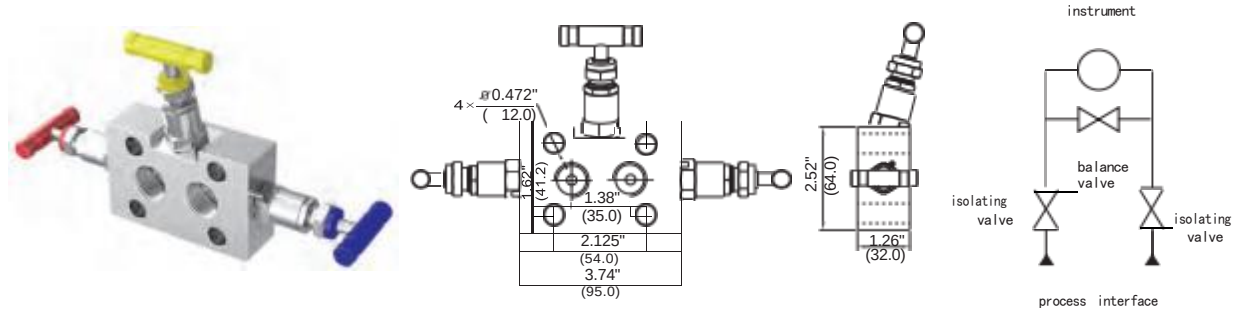


XYF ----JFGseries Instrument Manifolds

Order information	inlet/process interface	outlet/instrument	measuring port/drainage port
SS-JFG3A3-LW8-R	1/2"XYG-NPT	1/2"XYG-NPT	selection
SS-JFG3A4-GH12mm-R	Φ 12mmXYG-GH	Φ 12mmXYG-GH	selection

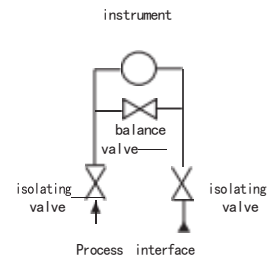
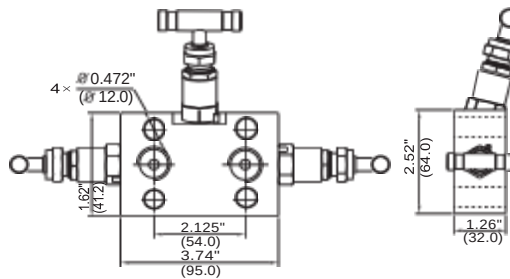


Order information	inlet/process interface	outlet/instrument
SS-JFG3B1-LW8-D	1/2"NPT female	coplanar flange
SS-JFG3B2-SK6-D	3/8"XYG-NPT	coplanar flange



Two PTFE sealing ring and four 7/16" UNF bolts with high strength are supplied accordingly.

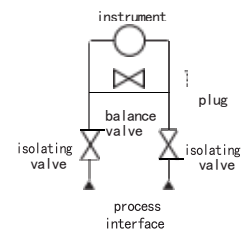
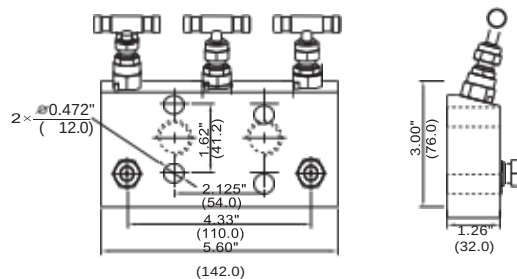
Order information	inlet/process interface	outlet/instrument
SS-JFG3B3-LW8-D	1/2"NPT female	coplanar flange
SS-JFG3B4-SK6-D	3/8"XYG-NPT	coplanar flange



3-valve manifold on special outlet position.

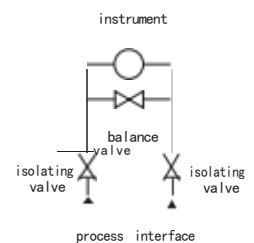
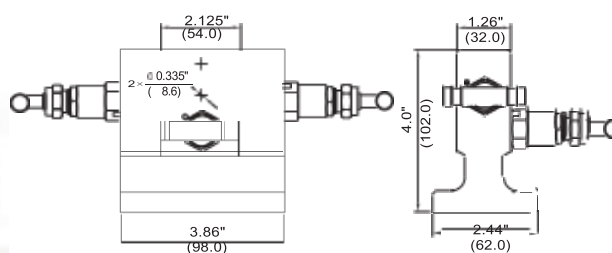
4 bolts of 7/16"UNF with high strength would be supplied accordingly. There is no PTFE sealing ring supplied.

Order information	inlet/process interface	outlet/instrument	measuring port/drainage port
SS-JFG3C1-LW8-D	1/2"NPT female	coplanar flange	selection
SS-JFG3C2-SK8-D	1/2"XYG-NPT	coplanar flange	selection



Two PTFE sealing ring and four 7/16" UNF bolts with high strength are supplied accordingly.

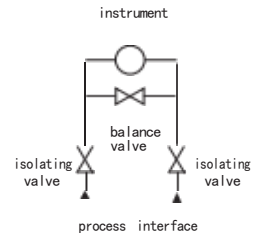
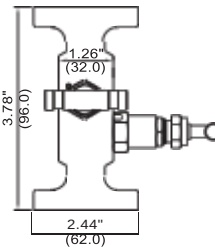
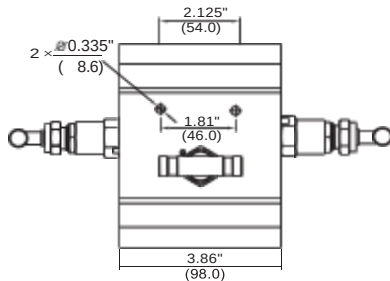
Order information	inlet/process interface	outlet/instrument	measuring port/drainage port
SS-JFG3T-LW8-D	1/2"NPT female	coplanar flange	1/4"NPT female





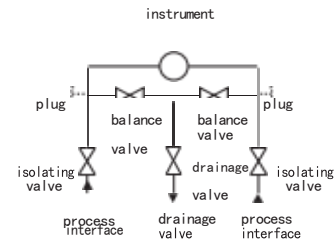
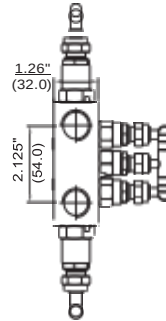
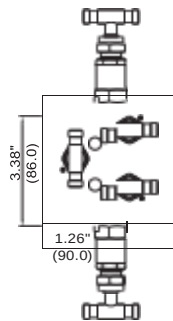
XYF ----JFGseries Instrument Manifolds

Order information	inlet/process interface	outlet/instrument	measuring port/drainage port
SS-JFG3G-FG-D	coplanar flange	coplanar flange	1/4"NPT female

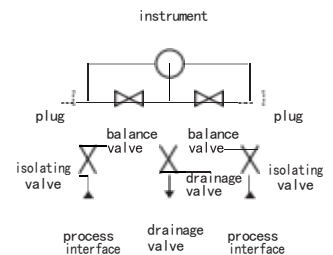
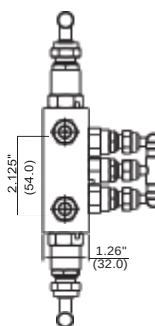
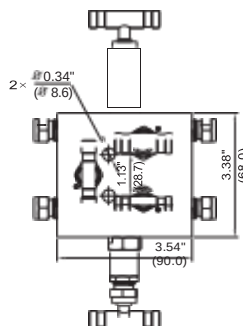


5 valve manifolds

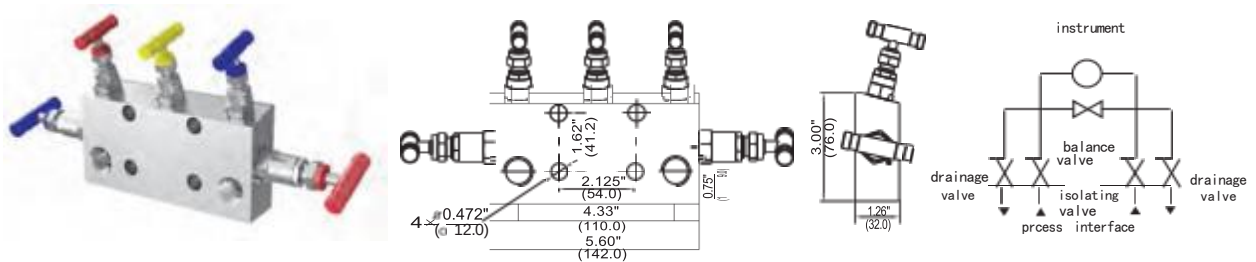
Order information	inlet/process interface	outlet/instrument	measuring port/drainage port
SS-JFG5A1-LW8-R	1/2"NPT female	1/2"NPT female	1/4"NPT female



Order information	inlet/process interface	outlet/instrument	measuring port/drainage port
SS-JFG5A2-SK8-R	1/2"XYG-NPT	1/2"XYG-NPT	1/4"NPT female

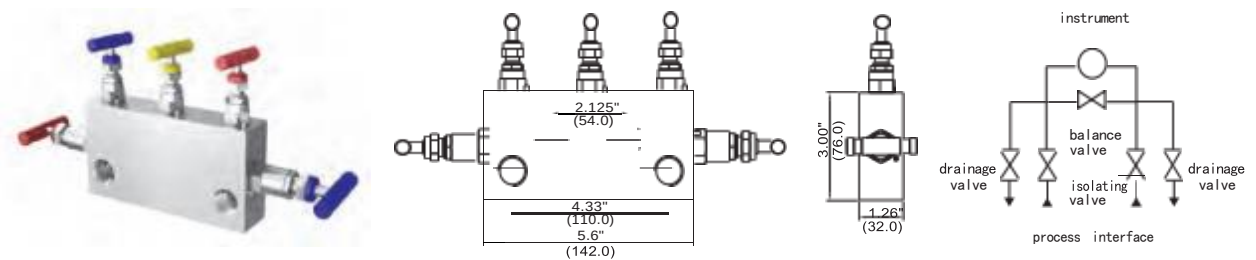


Order information	inlet/process interface	outlet/instrument	measuring port/drainage port
SS-JFG5C1-LW8-D	1/2NPT female	coplanar flange	1/4"NPT female
SS-JFG5C1-SK8-D	1/2"XYG-NPT	coplanar flange	1/4"NPT female

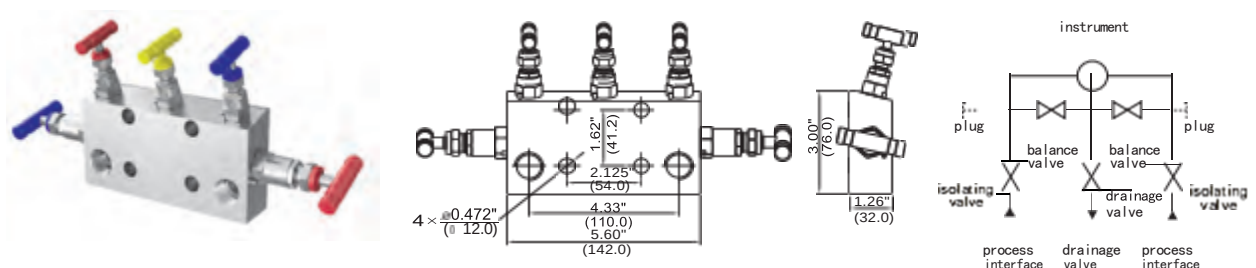


Two PTFE sealing ring and four 7/16" UNF bolts with high strength are supplied accordingly.

Order information	inlet/process interface	outlet/instrument	measuring port/drainage port
SS-JFG5C2-LW8-R	1/2NPT female	1/2NPT female	1/4"NPT female
SS-JFG5C2-SK8-R	1/2"XYG-NPT	1/2NPT female	1/4"NPT female



Order information	inlet/process interface	outlet/instrument	measuring port/drainage port	measuring port/drainage port
SS-JFG5C3-LW8-D	1/2NPT female	coplanar flange	1/4"NPT female	selection
SS-JFG5C3-SK8-D	1/2"XYG-NPT	coplanar flange	1/4"NPT female	selection

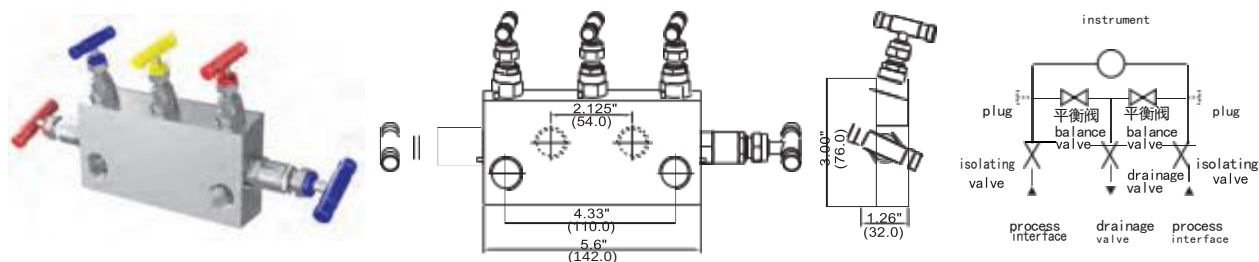


Two PTFE sealing ring and four 7/16" UNF bolts with high strength are supplied accordingly.

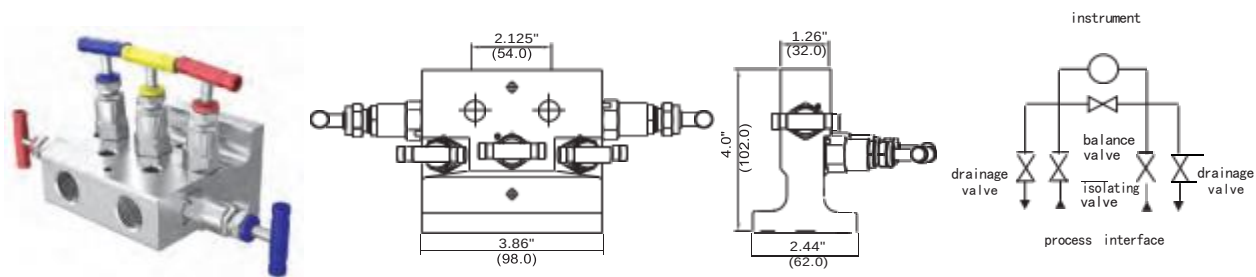


XYF ----JFGseries Instrument Manifolds

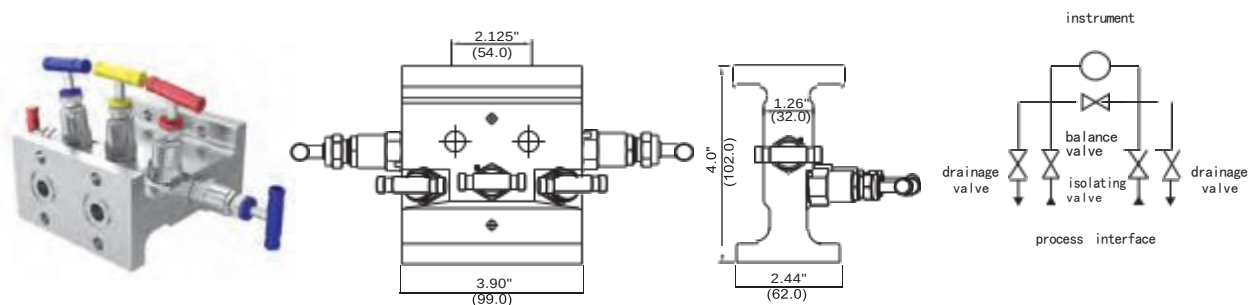
Order information	inlet/process interface	outlet/instrument	measuring port/drainage port	measuring port/drainage port
SS-JFG5C4-LW8-R	1/2NPT female	1/2NPT female	1/4"NPT female	1/4"NPT female
SS-JFG5C4-SK8-R	1/2"XYG-NPT	1/2NPT female	1/4"NPT female	1/4"NPT female



Order information	inlet/process interface	outlet/instrument	measuring port/drainage port
SS-JFG5T1-LW8-D	1/2NPT female	coplanar flange	selection
SS-JFG5T1-SK12mm-D	Φ 12mm	Φ 12mm	selection



Order information	inlet/process interface	outlet/instrument	measuring port/drainage port
SS-JFG5G-FG-D	1/2NPT female	1/2NPT female	selection



Yolanda

N P T - L O K



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What's app: 0086 13218868008

Main Product: Instrument tube fittings, Instrument valves, Instrument accessory