

Product Division Catalog



INSTRUMENTATION

Valves manifolds

- Elect r omechan ical
- Fil t r at ion
- Fluid & gas handl ing
- Pneumat ics
- Process con t r ol
- aer ospace



Our purpose

DECON Technologies aims to develop strong and long term partnership with clients and vendors by ensuring the highest standard of quality in manufacturing, Engineering and others services.

We endeavour to develop the most efficient producer for our manufacturing processes in order to keep cost low and quality high.



Our Commitment

❖ YOUR TRUSTED SOURCING PARTNER

Support our customers with technology driven, cost-effective, quality compliment, manufacturing solution on time.

DECON Technologies is a trusted manufacturing and engineering services provider with a hard earned reputation for quality services and complete customer satisfaction, strategically located in Central Gujarat, India.

DECON Technologies provide advance functionality, purpose build for your industry. DECON Technologies has proven expertise in supporting efforts to delivered profitable growth in an industries that requires ever increasing level of technical specialization with support from a complex web of supply-chain partner, based on the latest advance from both there consumer and enterprise world.



What We Do...

❖ Manufacturing

- ✓ Investment casting, Sand casting, Pressure die casting, Centrifugal casting (Carbon steel, low Alloy steel, Stainless Steel, Duplex Stainless Steel, Nickel & Cobalt based Alloy, Aluminium Alloy)
- ✓ Forging Components (Non alloy Steel, Alloy Steel, Stainless Steel, High Chrome Steel)
- ✓ High Precision Machined Components.
- ✓ Fabrication Parts
- ✓ Special Plate Components.
- ✓ Rubber & Moulded parts.



❖ Engineering

- ✓ Product development
- ✓ Process Improvement
- ✓ Sub Assembly

❖ Global Sourcing

- ✓ Supply Chain
- ✓ Engineering & Marketing

DECON Technologies is a ISO 9001 2015 certified Global Sourcing Partners located at Vadodara, Gujarat in association with world class Investment and Sand casting Foundry.

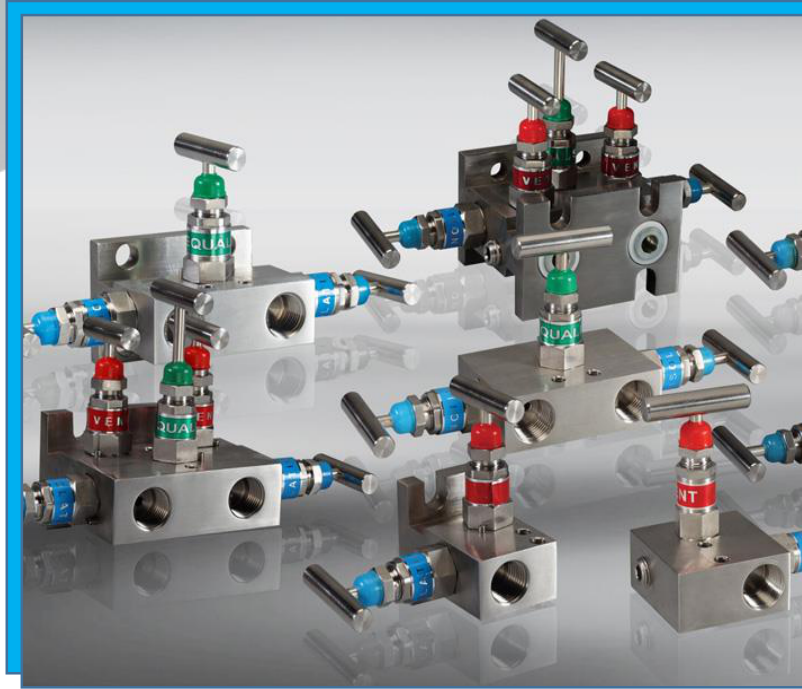
We have two state of the art in house manufacturing facility utilizing precision machinery and equipment for production and inspection.

We supply Variety of high precision critical components for various sector like Oil & Gas, Power, Chemical & Process Industry which are custom-made to exact specification and expectations of our Customers.

• manifolds

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➤ 2/3/5 VALVE MANIFOLD 05



• fittings

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◀ TUBE FITTINGS..... 00
◀ PIPE FITTINGS..... 00

• valves

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➤ NEEDLE VALVE..... 00



• Industrial need

We're guided by a relentless drive to help our customers become more productive and achieve higher levels of profitability by engineering the best systems for their requirements. It means looking at customer applications from many angles to find new ways to create value. Whatever the motion and control technology need.

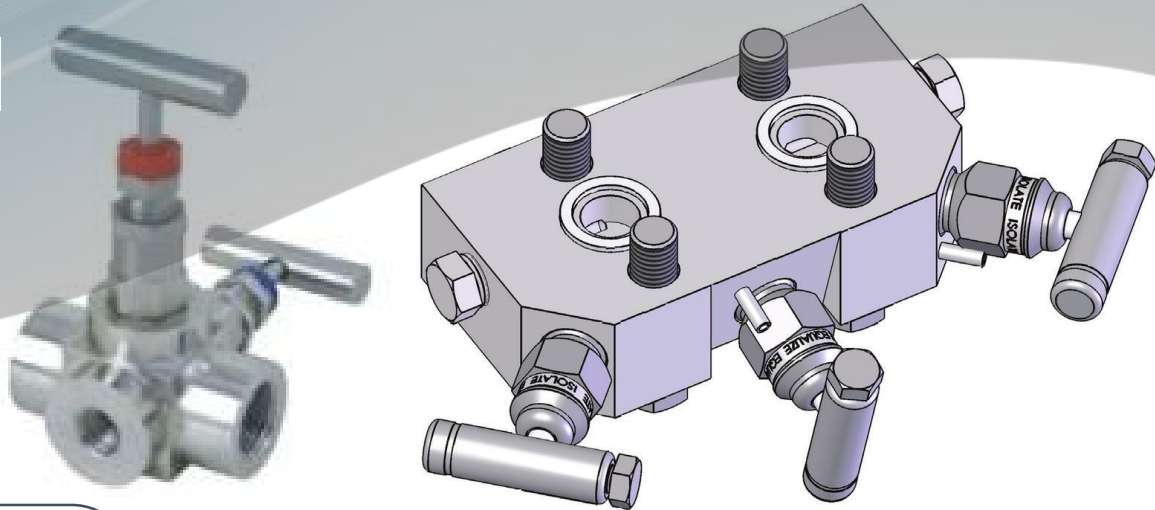
INDUSTRIES

WE SERVE

- Electromechanical
- Filtration
- Fluid & gas handling
- Pneumatics
- Process control
- Aerospace



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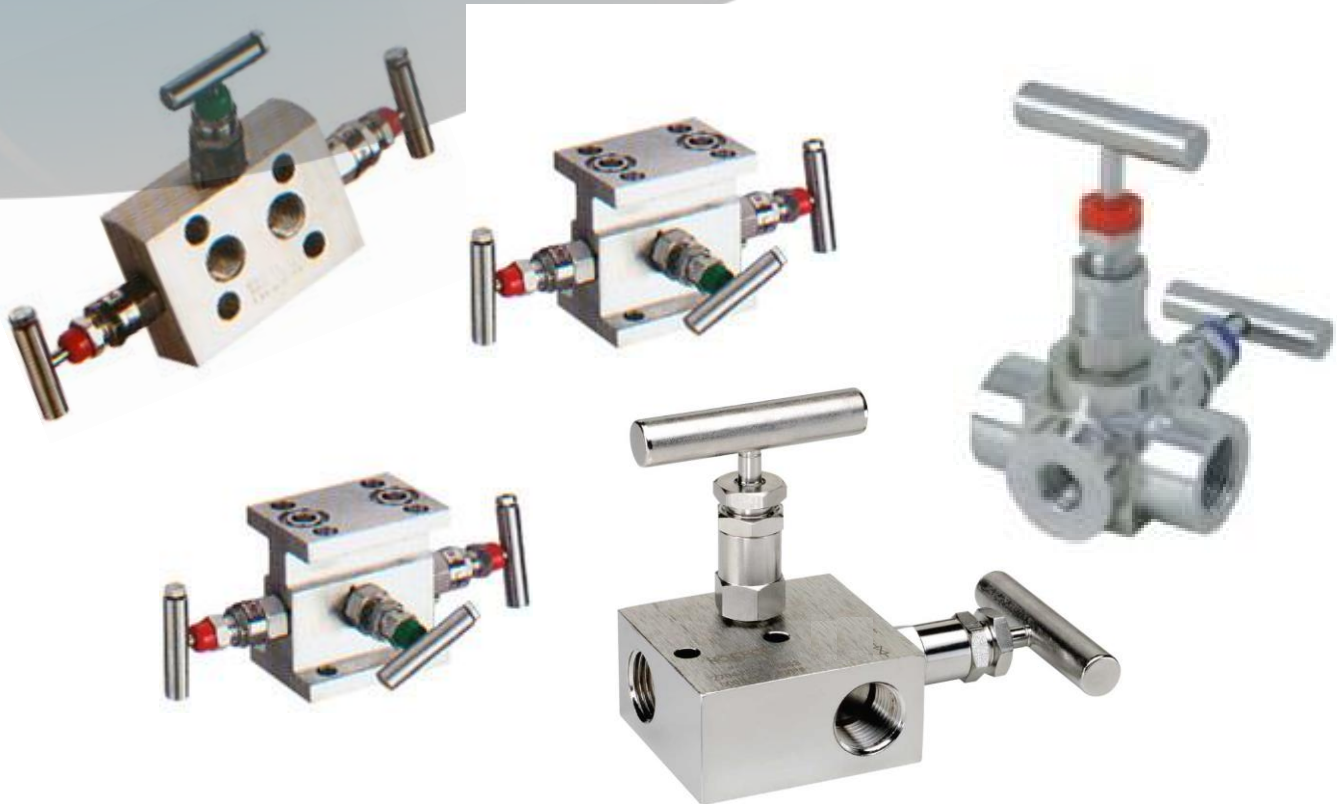


- **Three Valve Manifold**
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- **Five Valve Manifold**
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Overview



- ❖ Factory assembled, leak-tested, and calibrated.
- ❖ Full breadth offering including integral, in-line, and conventional styles.
- ❖ Integral design enables flangeless connection to instrument reducing weight, space, and leak points.
- ❖ Block-and-bleed, two-, three-, and five-valve configurations
- ❖ Compact, lightweight design
- ❖ Easy in-process calibration
- ❖ Direct-mount capability

Two valve manifold

1. Block and Bleed valve - Male / Female

• Description:

Design for use with Gauges switches of pressure transmitter. These gauge valves incorporates two valve with single outlet that combines isolation, calibration and venting.

• Test Pressure: @25° C room temp.

Hydrostatic : Body - 6000 psi

Seat - 6000 psi

Pneumatic : Seat - 85 psi

✓ Standard stem packing is PTFE for temperature service up to 260° C.

✓ Use graphite for temperature up to 540° C.

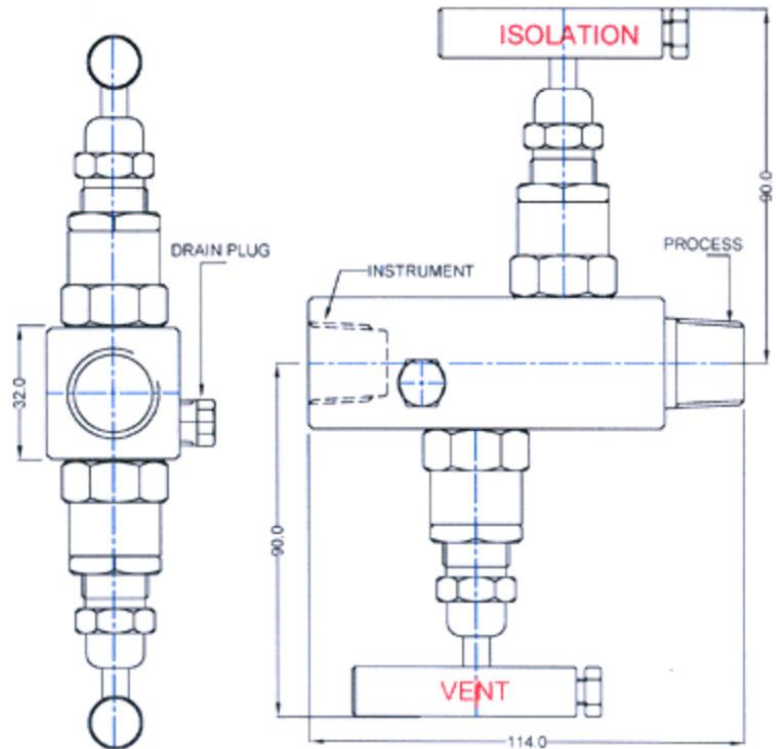
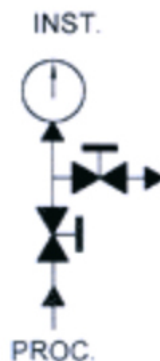
• Connection: ❖ Flow Schematic:

❖ 1/2" NPT M Process

X

❖ 1/2" NPT F

Instrument



➤ All dimensions are in mm

➤ Dimensions are for reference only, subject to change.

Two valve manifold

2. Block and Bleed valve – Female / Female

- **Description:**

Two valve manifold is designed with single block with female screwed inlet and outlet port combining isolation valve and vent/calibration valve generally used on static pressure transmitter, switches and gauges.

- **Test Pressure:** @25° C room temp.

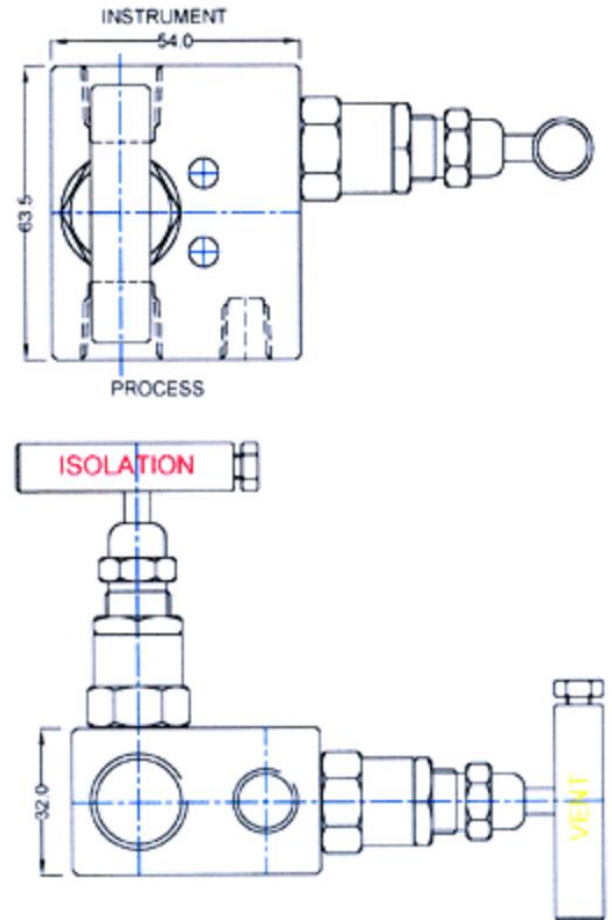
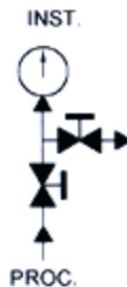
Hydrostatic : Body - 6000 psi

Seat - 6000 psi

Pneumatic : Seat - 85 psi

- ✓ Standard stem packing is PTFE for temperature service up to 260° C.
- ✓ Use graphite for temperature up to 540° C.

❖ Flow Schematic:



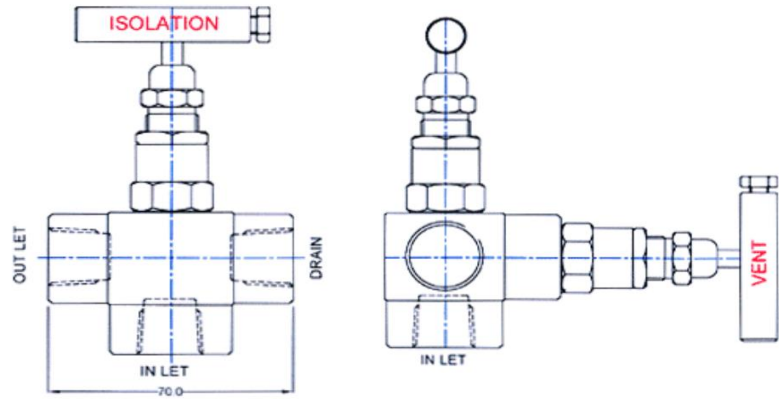
- All dimensions are in mm
- Dimensions are for reference only, subject to change.

Two valve manifold

3. Angle type Valve

- Description:**

Design for use with switches and pressure transmitter these gauges valve incorporated two valve with single outlet that combines isolation, calibration and venting.



- Test Pressure:** @25° C room temp.

Hydrostatic : Body - 6000 psi

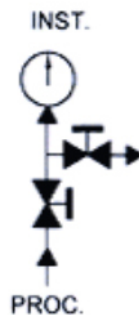
Seat - 6000 psi

Pneumatic : Seat - 85 psi

- ✓ Standard stem packing is PTFE for temperature service up to 260° C.
- ✓ Use graphite for temperature up to 540° C.



❖ **Flow Schematic:**



- All dimensions are in mm
- Dimensions are for reference only, subject to change.

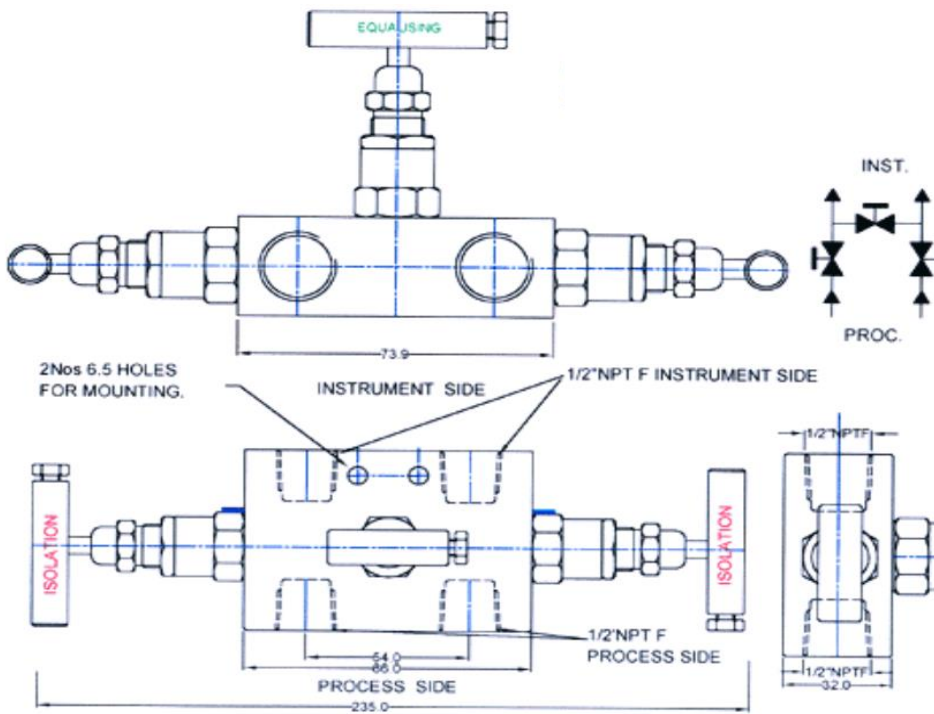
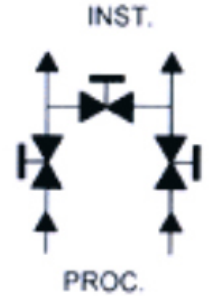
three valve manifold

1.3 valve manifold Pipe to Pipe

- **Description:**

Three valve manifold is designed for separately mounted type.

- **Flow Schematic:**



10	LOCK PIN	3	SS
9	WASHER	3	SS316
8	HANDLE	3	SS
7	GLAND PACKING	6	PTFE
6	NEEDLE	3	SS316
5	SPINDLE	3	SS316
4	LOCK NUT	3	SS316
3	GLAND RETAINER	3	SS316
2	BONNET	3	SS316
1	BODY	1	A182 F316
NO	DESCRIPTION	QTY	MATL:



- **Connection:**

- 1/2" NPT M Process X
- 1/2" NPT F Instrument
- Central distance 54 mm.



- All dimensions are in mm
- Dimensions are for reference only, subject to change.

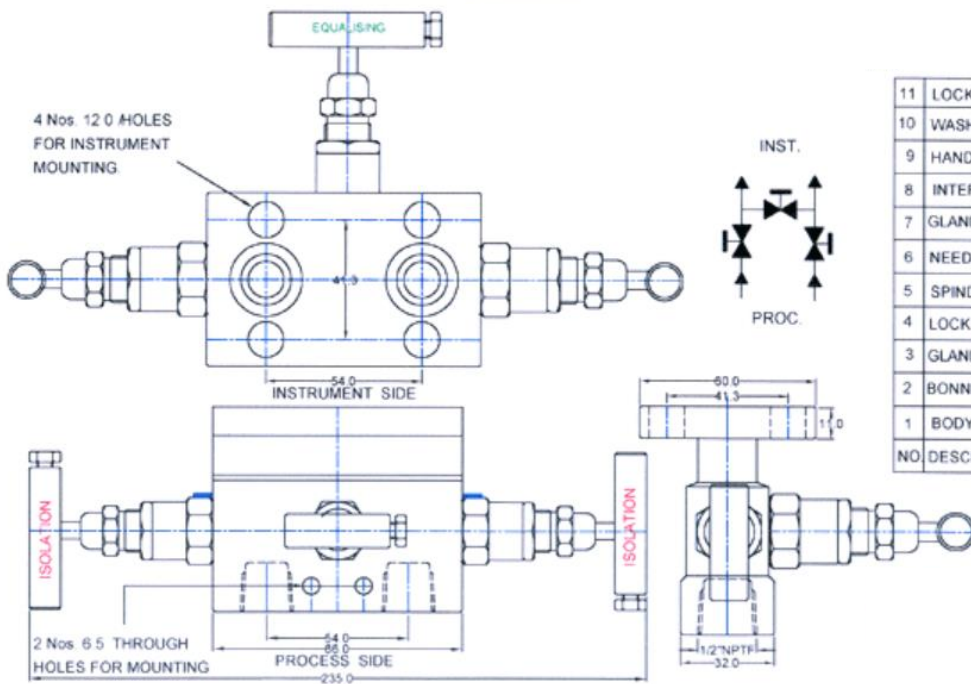
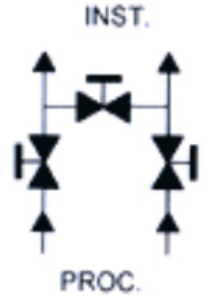
Three valve manifold

2.3 valve manifold Integral type T

- Description:**

Three valve manifold is designed for direct mounting on to DP transmitter

- Flow Schematic:**



11	LOCK PIN	3	SS
10	WASHER	3	SS316
9	HANDLE	3	SS
8	INTERFACE SEAL	2	PTFE
7	GLAND PACKING	6	PTFE
6	NEEDLE	3	SS316
5	SPINDLE	3	SS316
4	LOCK NUT	3	SS316
3	GLAND RETAINER	3	SS316
2	BONNET	3	SS316
1	BODY	1	A182 F316
NO	DESCRIPTION	QTY	MATL.

- Connection:**

- ❖ Process side 1/2" NPT F
- ❖ Instrument side direct mounting to DP transmitter
- ❖ Central distance 54 mm. with 4 nos. mounting bolt
And 2 nos. interface seal ring.



- All dimensions are in mm
- Dimensions are for reference only, subject to change.

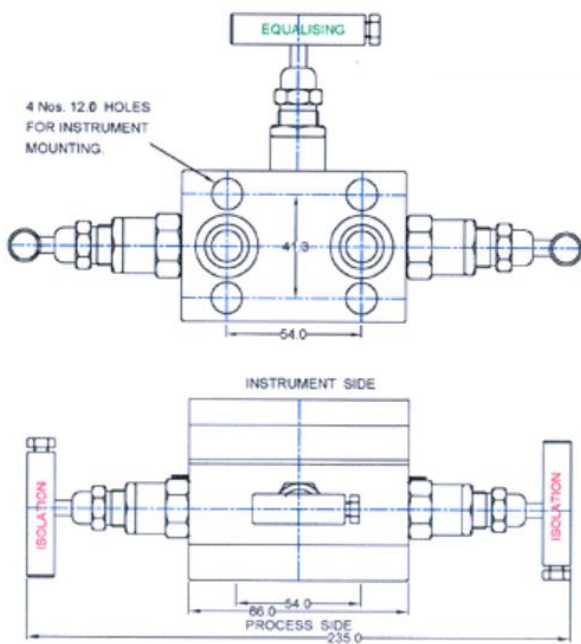
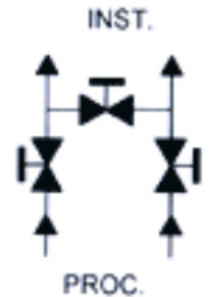
Three valve manifold

3. 3 valve manifold Flange to Flange type H

Description:

Three valve manifold is designed for direct mounting on to DP transmitter flange to flange.

Flow Schematic:



11	LOCK PIN	3	SS
10	WASHER	3	SS316
9	HANDLE	3	SS
8	INTERFACE SEAL	2	PTFE
7	GLAND PACKING	6	PTFE
6	NEEDLE	3	SS316
5	SPINDLE	3	SS316
4	LOCK NUT	3	SS316
3	GLAND RETAINER	3	SS316
2	BONNET	3	SS316
1	BODY	1	A182 F316
NO.	DESCRIPTION	QTY	MATL.

Connection:

- ❖ Process side flange
 - ❖ Instrument side direct mounting to DP transmitter
 - ❖ Central distance 54 mm. with 4 nos. mounting bolt
- And 2 nos. interface seal ring.



- All dimensions are in mm
- Dimensions are for reference only, subject to change.

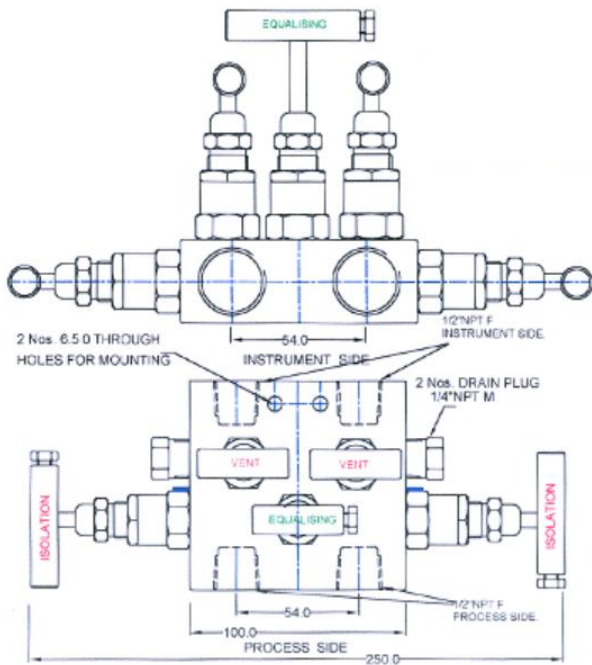
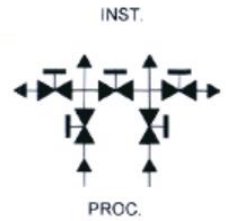
five valve manifold

1.5 valve manifold Pipe to Pipe

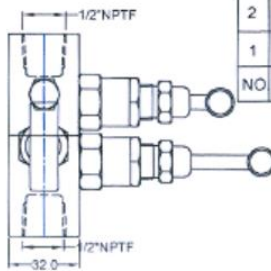
Description:

Five valve manifold is designed for pipe to pipe.

Flow Schematic:



12	DRAIN PLUG	2	SS316
11	LOCK PIN	5	SS
10	WASHER	5	SS316
9	HANDLE	5	SS
7	GLAND PACKING	10	PTFE
6	NEEDLE	5	SS316
5	SPINDLE	5	SS316
4	LOCK NUT	5	SS316
3	GLAND RETAINER	5	SS316
2	BONNET	5	SS316
1	BODY	1	A182 F316
NO	DESCRIPTION	QTY	MATL.



Connection:

- ❖ Process side 1/2" NPT F
- ❖ Instrument side 1/2" NPT F
- ❖ Central distance 54 mm.



- All dimensions are in mm
- Dimensions are for reference only, subject to change.

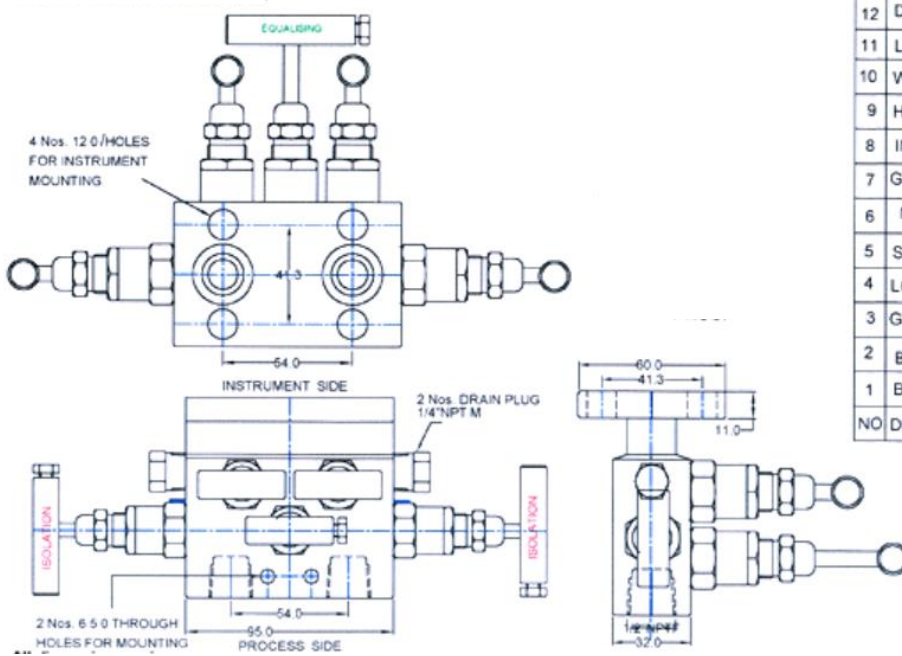
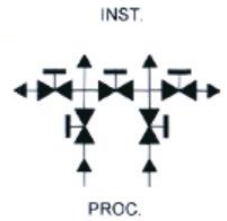
five valve manifold

2.5 valve manifold Integral type T

Description:

Five valve manifold is designed for direct mounting on to DP transmitter.

Flow Schematic:



12	DRAIN PLUG	2	SS316
11	LOCK PIN	5	SS
10	WASHER	5	SS316
9	HANDLE	5	SS
8	INTERFACE SEAL	2	PTFE
7	GLAND PACKING	10	PTFE
6	NEEDLE	5	SS316
5	SPINDLE	5	SS316
4	LOCK NUT	5	SS316
3	GLAND RETAINER	5	SS316
2	BONNET	5	SS316
1	BODY	1	A182 F316
NO	DESCRIPTION	QTY	MATL.

Connection:

- ❖ Process side 1/2" NPT F
- ❖ Instrument side direct mounting to DP transmitter.
- ❖ Central distance 54 mm. with 4 nos. mounting bolts and 2 nos. interface seal ring.




- All dimensions are in mm
- Dimensions are for reference only, subject to change.



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