BAXCELL

ISO 9001:2008
JAS-ANZ
Reg No.:RQ91/5211

Valve Manifolds










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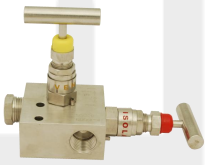

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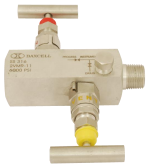

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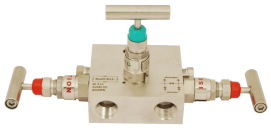

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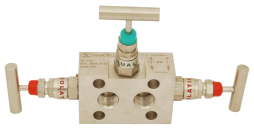

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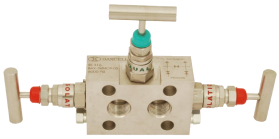

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Note: For models not appearing above in 2/3/5 Valve, please mail us for required Model & Design.

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Are designed for use in a wide variety of applications including Oil and Gas, Refineries, Chemical processing, Power and Utilities. The product line consists of Instrumentation valves such as Double block & bleed valves, 2-3-5 Valve Manifolds, Needle Valves, Gauge Valves, Globe Valves & Ball Valves. Baxcell valve products are the most technically advanced instrument valves available and are designed in accordance with ASME VIII and ANSI B16.34 standards. BAXCELL valve products are recognized by our end–users for their high quality, innovative and cost saving designs. The companies QA/QC systems are fully equipped with all testing arrangements. BAXCELL valve products have been subjected to extensive testing by major oil and gas companies with very satisfactory results. At BAXCELL, we have a policy of continual design and product development and reserve the right to make changes without prior notice.

BAXCELL 2, 3 & 5 WAY VALVE MANIFOLDS

BAXCELL range of Instrumentation Valve Manifolds cover 2, 3 & 5 Valve Manifolds

BAXCELL manifolds have excellent flow regulation and leak tightness. The operation is smooth, easy, low-torque & long life. Internal surfaces & threads are 100% free from burrs & other foreign particles .Many of the options available with needle valves are available in manifold form. Complete Bonnet assembly will be similar to needle valves. Manifold valves have stainless steel color coded identity tags affixed to the individual head units, Red for Isolate, Green for Equalize and Yellow for Vent. Manifolds have plugs as standard on gauge valves only, for all others this is optional. End connections are ½" NPT(F) & pressure rating is 6000 PSI as standard.
All direct mount manifolds are supplied with Teflon gaskets and SS 304 bolts. Grafoil gaskets/other optional and special material bolts are available as optional.
All valves can be made available to conform to NACE MR-01-75 (latest revision) for sour service. Multiple mounting hole options are available on request. Universal mounting bracket fits most manifolds, plus other options are available.

BAXCELL 2 Valve Manifolds
The basic valve consists of two valves in a integral unit for isolation and Drain/calibration of pressure gauges, pressure switches, pressure transmitters, differential pressure transmitters etc.

BAXCELL 3 Valve Manifolds
Designed for use in conjunction with differential pressure transmitters. The basic three Valve manifold consists of two process isolation valves and one equalizing valve in a single compact unit.

BAXCELL 5 Valve Manifolds
Designed to allow access to all valves in a single compact body with optimum ease of operation. The basic 5 valve manifold consists of two pressure isolation valves, two integral drain/vent valves for purging and one equalizing valve.

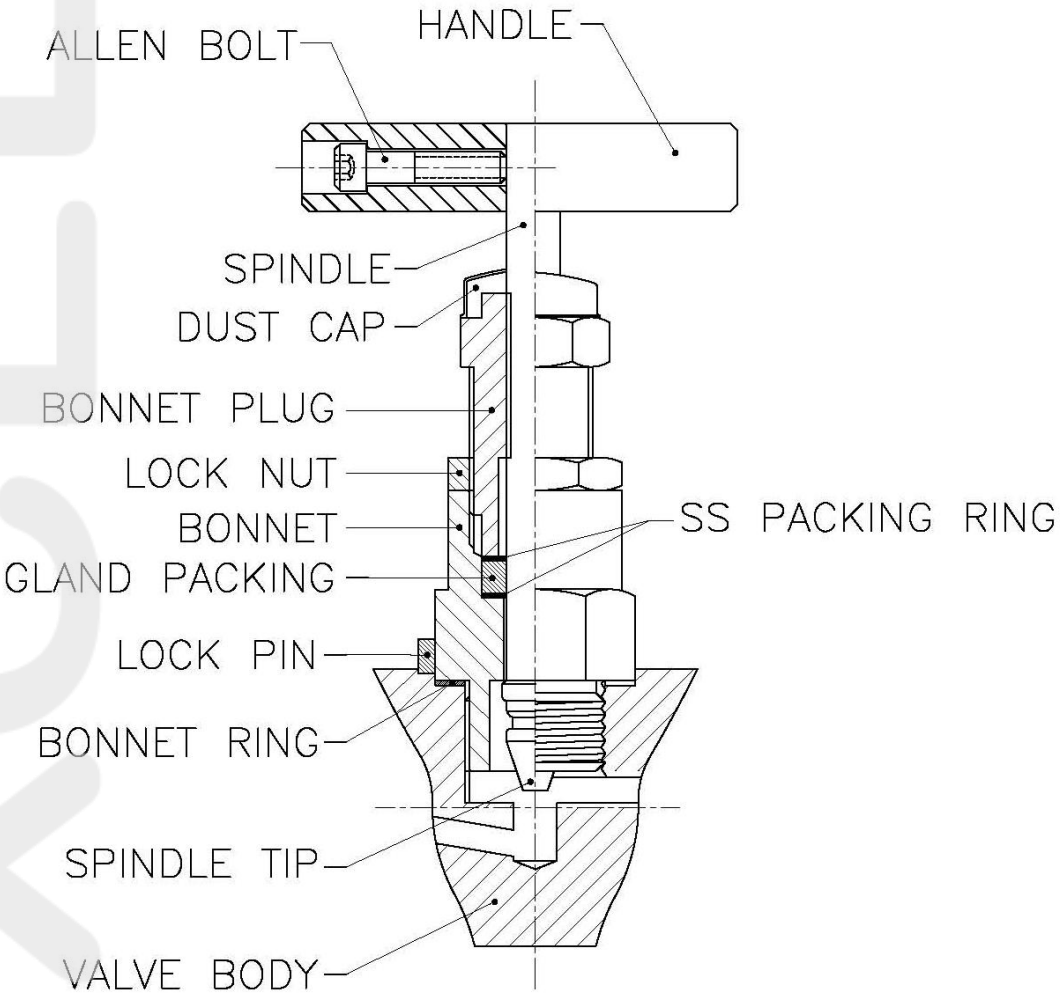
Key Features:

- Blowout Proof stem that provides a secondary stem seal in the full open position.
- Rolled Spindle operating threads for greater strength & low torque operation.
- Stem Packing below the threads prevent thread galling and contamination/solation from the process.
- Self centering crimped Needle/Ball Tip for bubble tight sealing.
- Adjustable gland with easy access & Gland lock nut for vibration protection.
- Standard construction for maximum pressure rating with replaceable bonnet sealing washer arrangement.
- Annealed washer for complete positive sealing.
- Bonnet lock pin to prevent accident loosening.
- Color coded dust caps to prevent spindle thread from contamination & providing functional identification.
- T-Bar operating handle for low torque function.
- Electro Polish finish on SS Valves. Electroless Nickel plated finish on CS valves

Standard Technical Specification:

Design	Suitable for mounting on Rosemount, Yokogawa, Honeywell, ABB & other reputed Transmitters.
Spindle Tip	Non Rotating Tip: Case Harden “Vee” Type & Ball Type(Tungsten Carbide).
	Rotating Tip: “Vee” Type
Seat	Metal to Metal, Stellited, Teflon.
Packing & “O” Rings	Standard – PTFE. Optional GRAPHOL, PEEK, CET etc.
Patterns	“R” Type, “T” Type, “H” Type in standard & Co-Planar design.
Pressure Rating	6000 Psi.
End Connections	NPT/Flanged/BSPT as standard. Butt Weld, Socket Weld, Compression Fittings as per your requirements.
Handle & Bolts	SS 304
M.O.C	Body-ASTM A182 F 316(L), 304(L) etc. All other spares in ASTM A 479/A276 Gr. 316/316(L).
	For severe service : Monel, Hastelloy C. etc.
	Products can be supplied to conform to NACE MR 0175.
Temperature	PTFE : Max. up to 250 Deg. C
	GRAPHITE : Max. up to 648 Deg. C
Orifice Dia.	4.8 mm as standard. Others as per request.
Lubricant/Sealant	Anti-Seize-NEVER-SEEZ. Thread Sealant-LOCTITE 542.
Testing	Stadard: Hydro Test, Pneumatic Test, Nitrogent Test. Other tests such as Helium etc. upon request.

Bonnet Assembly :



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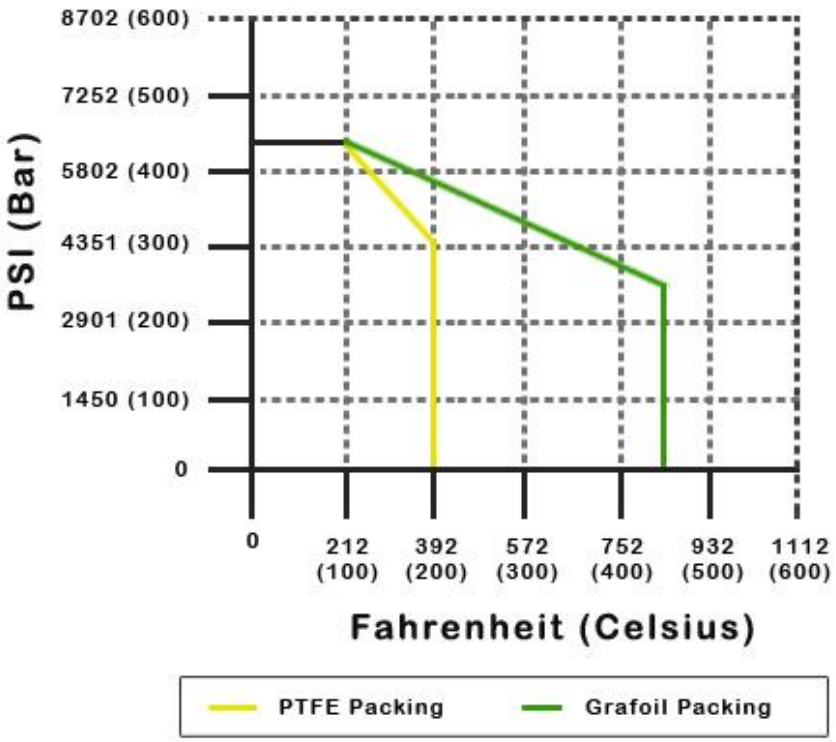
Material :

BAX-LOK Manifolds are available in SS 316 Stainless Steel, Brass, Steel, Monel, Hastelloy C, Incoloy 825, Inconnel 600 & Titanium. Manifold spares are machined from cold finished bar stock and manifold bodies are machined from close grain forgings. The raw materials used fully conform the chemical requirements of one or more of the specification listed below.

Material	Bar	Forging
Stainless steel	BS 970 316-S 31 DIN 4401 ASME SA 479/276-316	BS 970 316-S 31 DIN 4401 ASME SA 182-316
Brass	B S 2874 C Z 121 ASTM B16 ALLOY 360 IS 319 Grade-I & II	BS 2872 C Z 122 ASTM B124 ALLOY 377 IS 6192
Steel	ASTM A 108	ASTM A 576
MONEL	BS 3076 NA 13 ASTM B 164	BS 3076 NA 13 ASTM B 164
Hastelloy C276	ASTM B 575	ASTM B 574
Incoloy 825	BS 3076 NA16 ASTM B 425	BS 3076 NA16 ASTM B 425
Inconnel 600	ASTM B 166	ASTM B 564

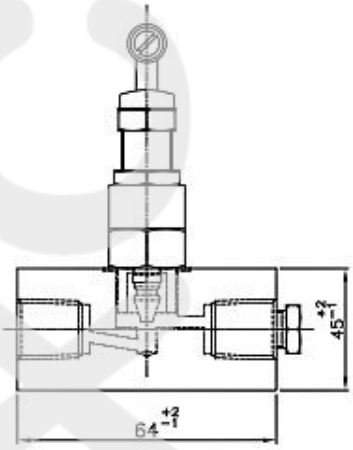
Pressure vs. Temperature Curves

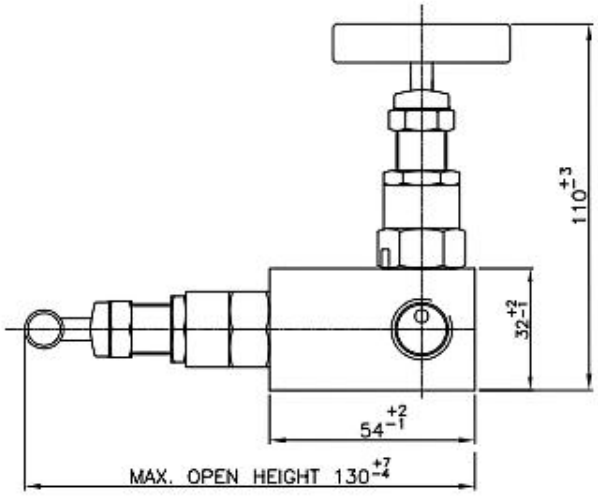


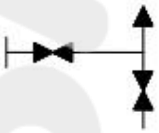
PTFE PACKING	Maximum pressure 6000 psi (413 bar) at 212° F (100° C) Maximum pressure 4000 psi (275 bar) at 392° F (200° C)
GRAFOIL® PACKIN	Maximum pressure 6000 psi (413 bar) at 212° F (100° C) Maximum pressure 3300 psi (230 bar) at 842° F (450° C)

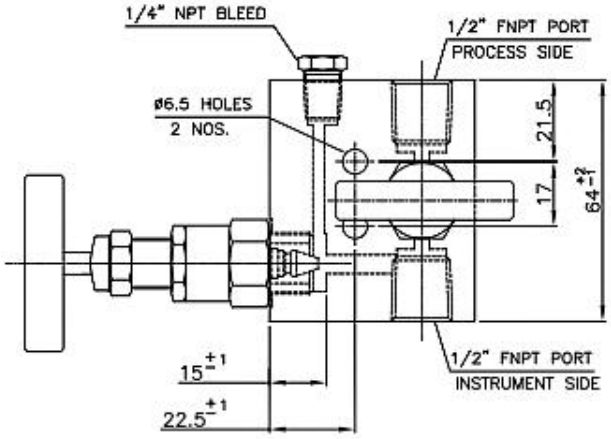
2VMR-01

Pipe to Pipe









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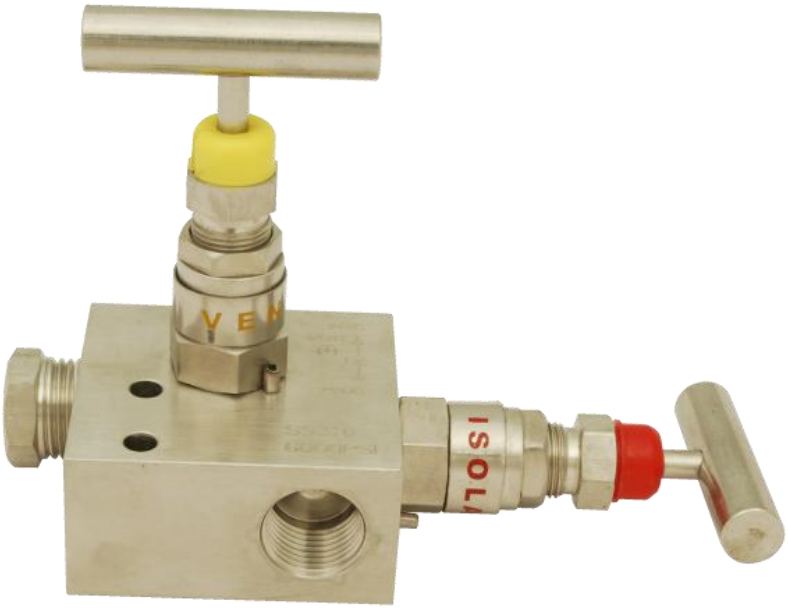
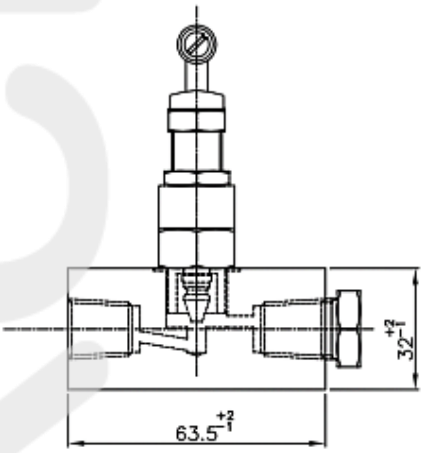
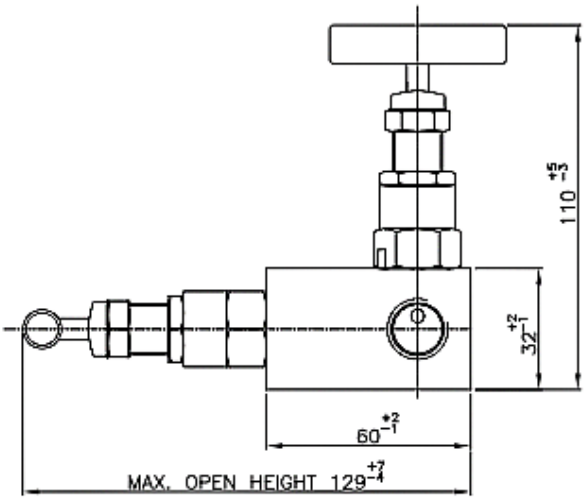
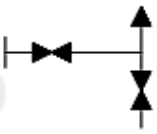
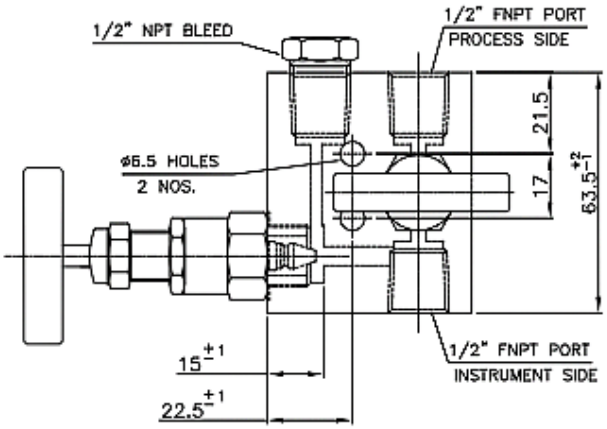
Pipe to Pipe











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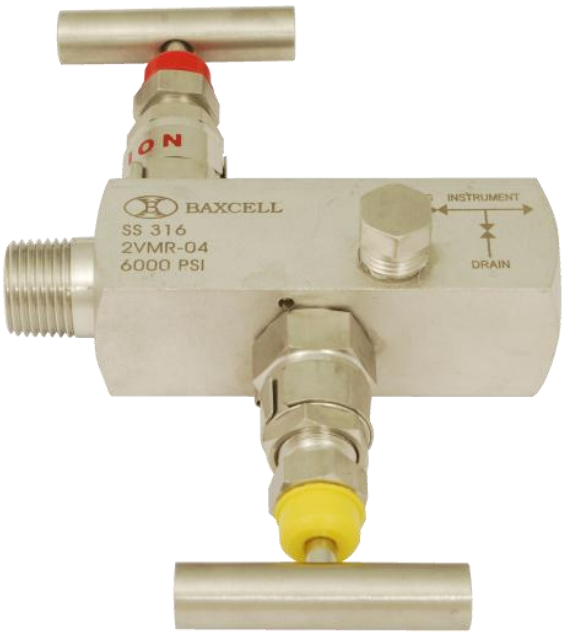
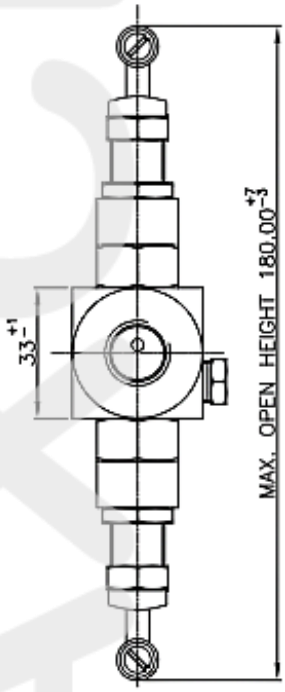
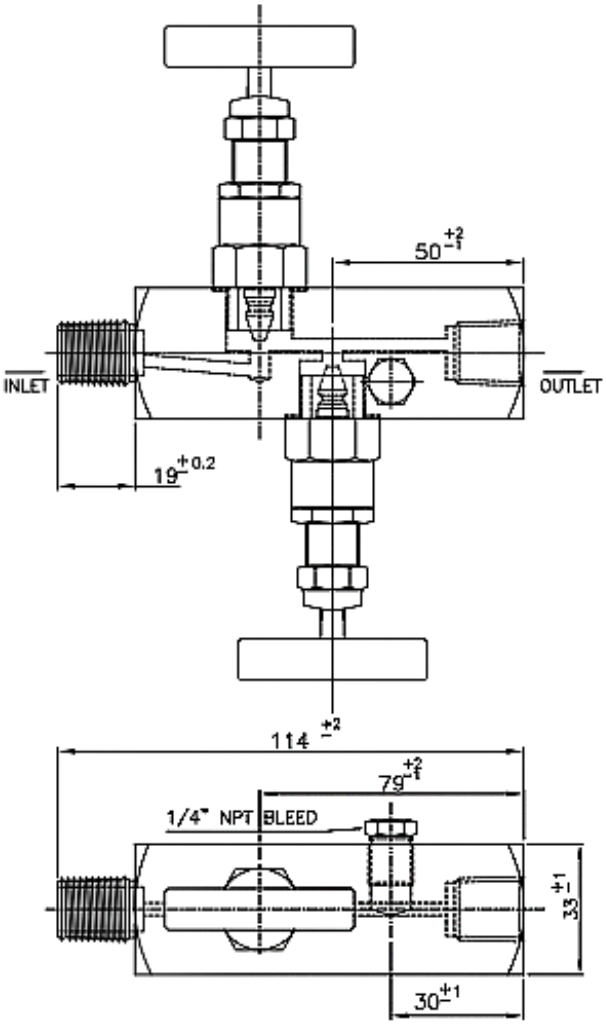
2VMR-04

Pipe to Pipe







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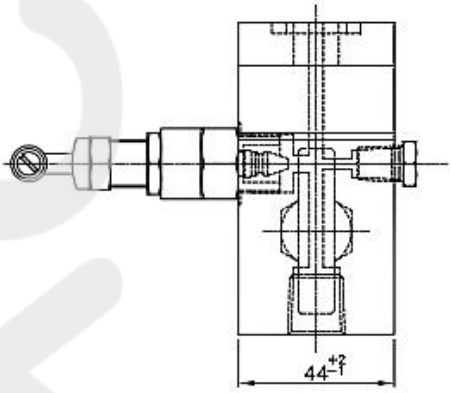
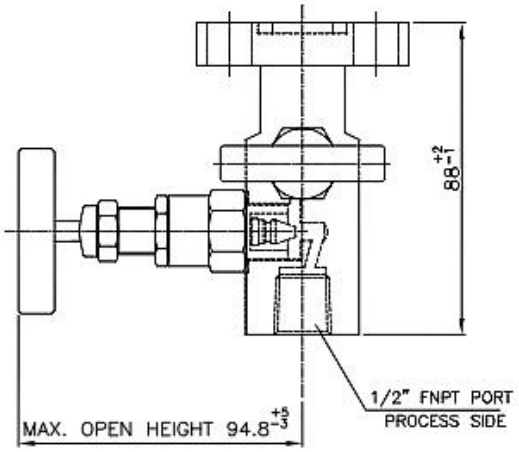
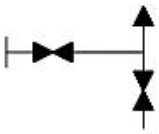
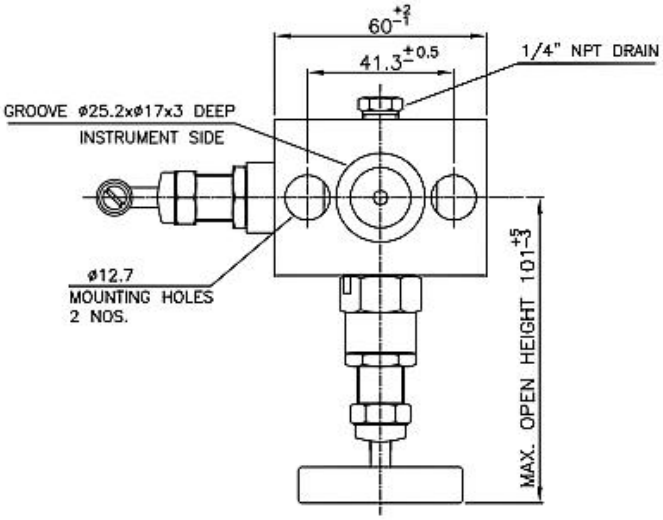
2VMT-05

Pipe to Flange









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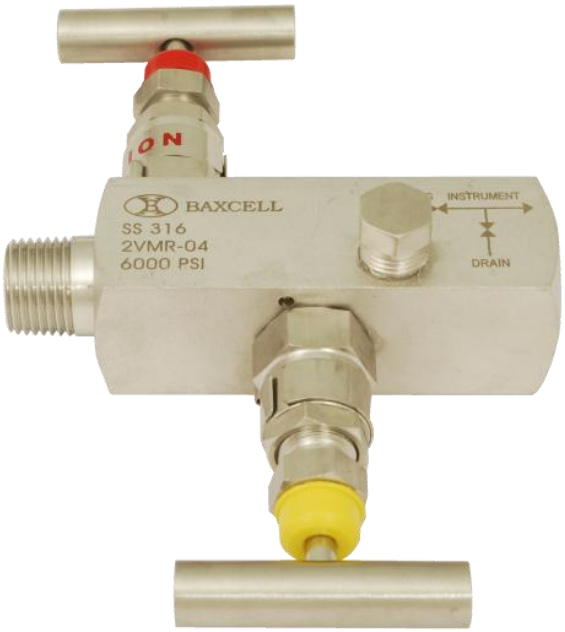
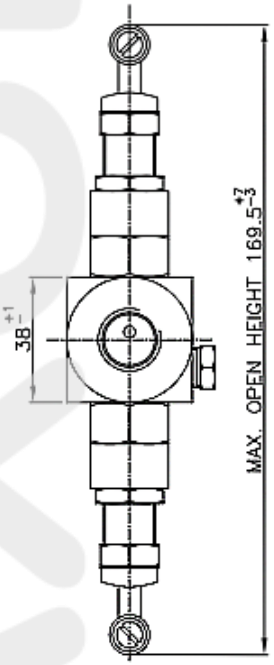
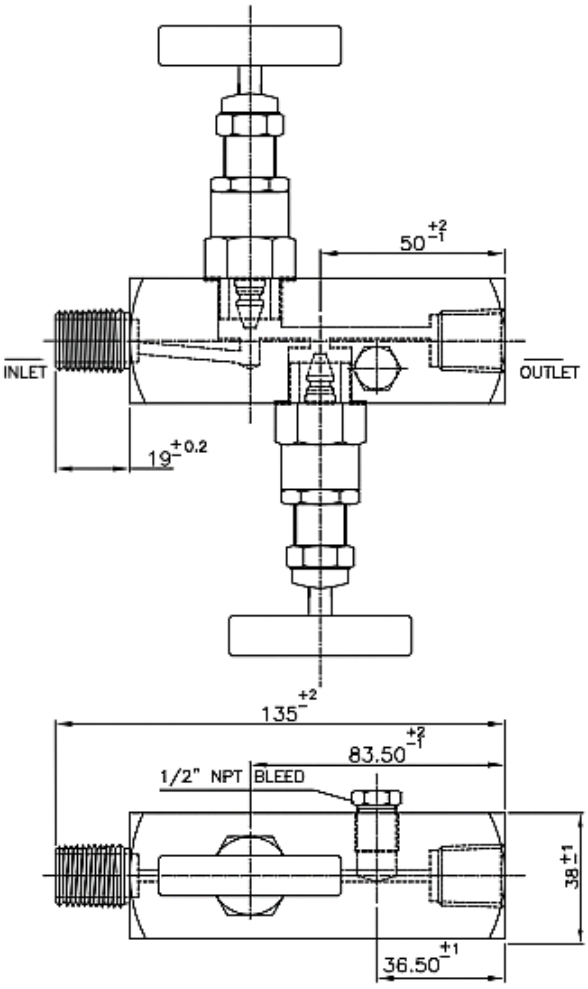
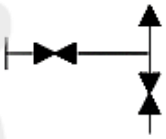
2VMR-06
Pipe to Pipe









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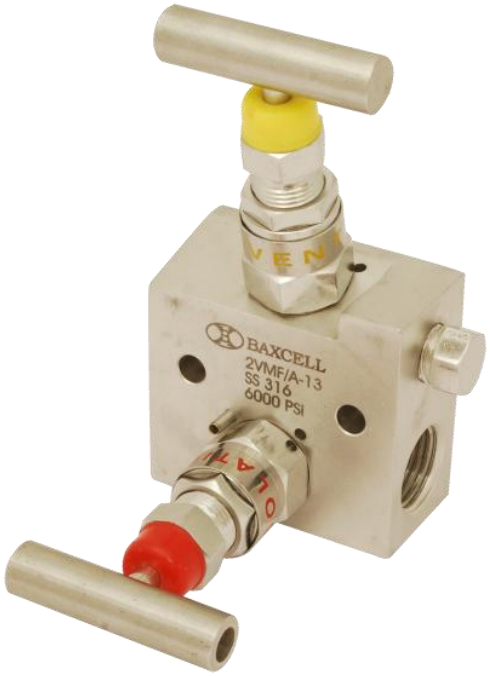
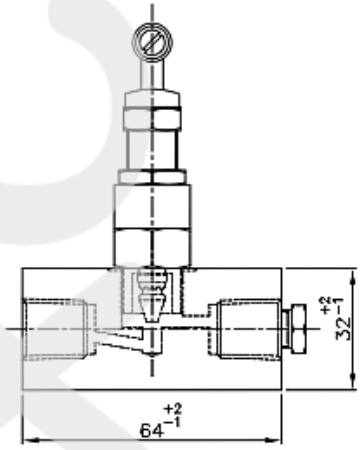
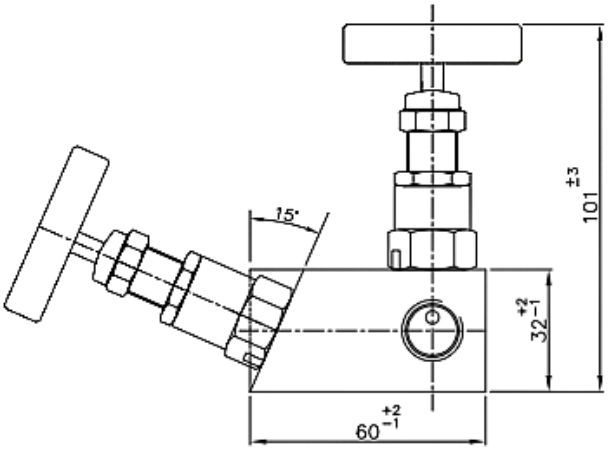
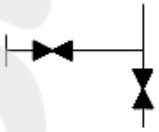
2VMCP-09

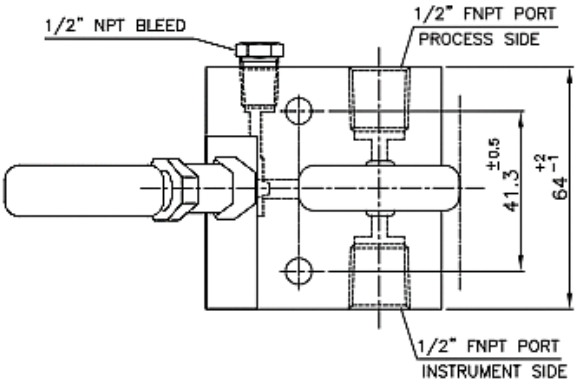
Pipe to Pipe











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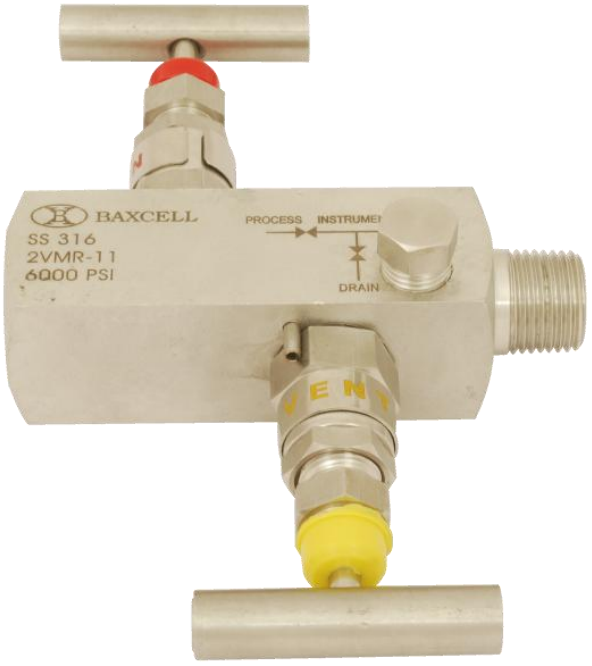
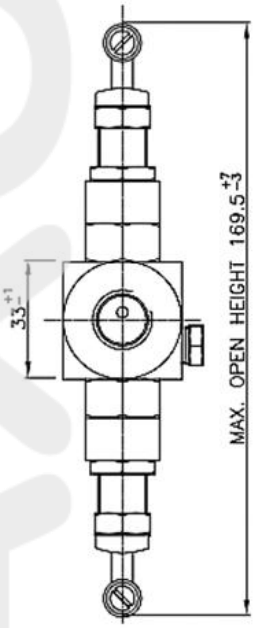
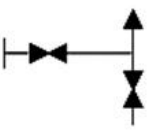
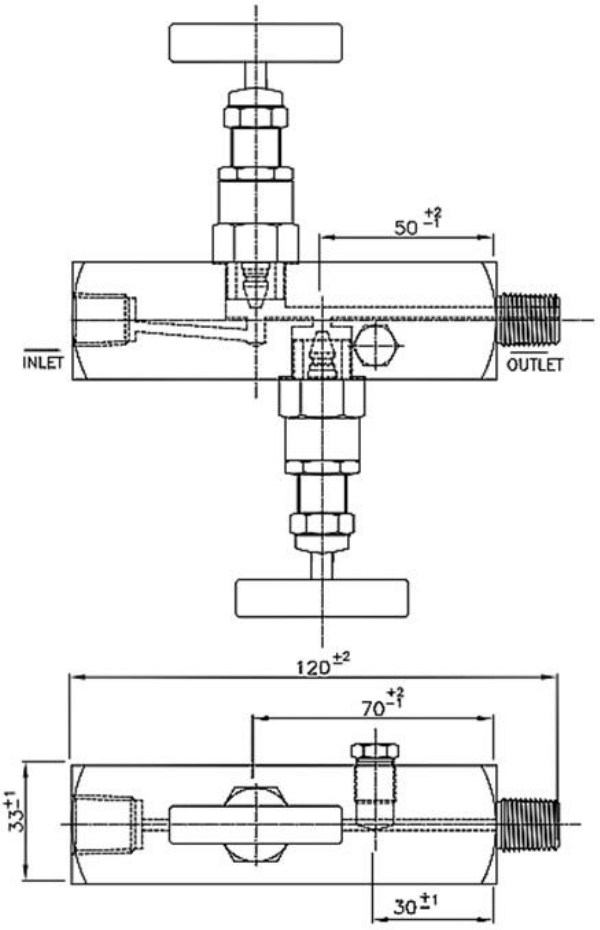
2VMR-11

Pipe to Pipe









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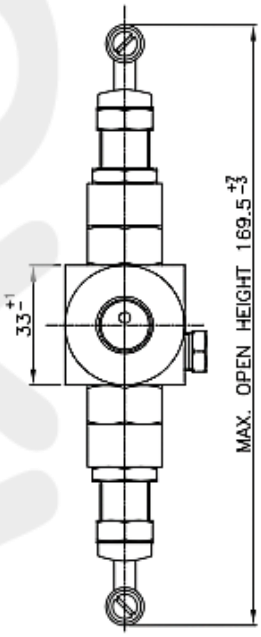
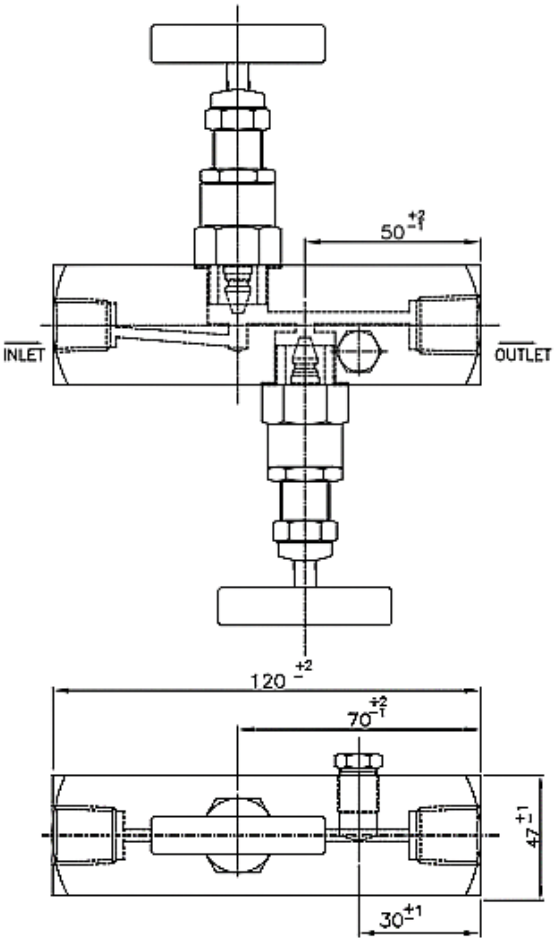
2VMR-12

Pipe to Pipe





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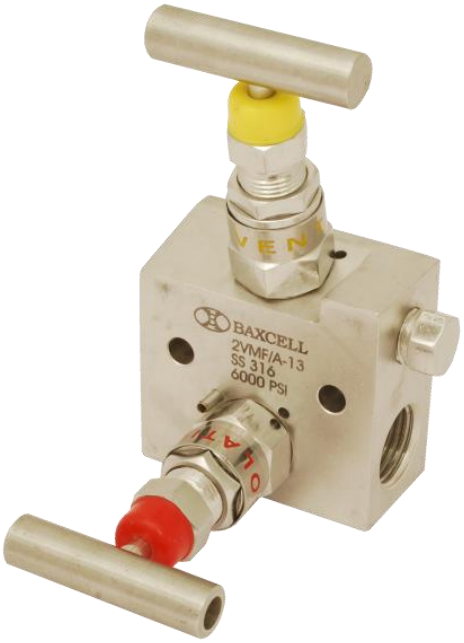
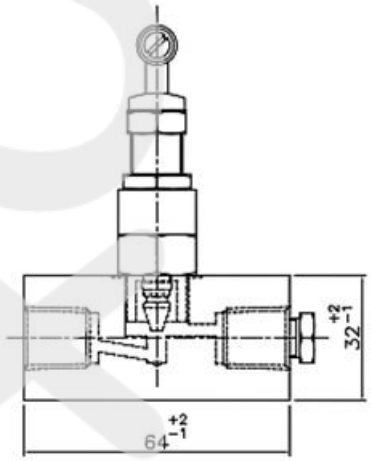
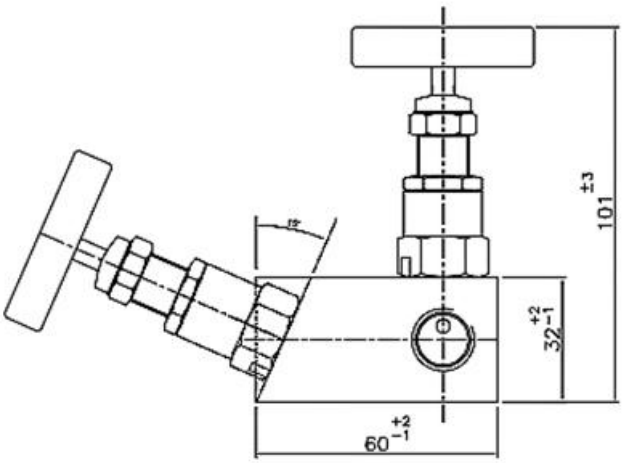
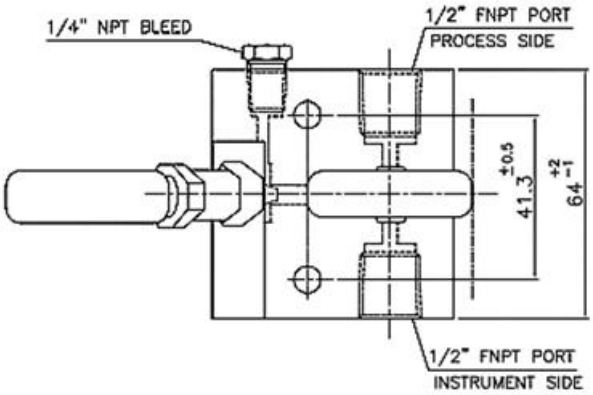
2VMCP-13

Pipe to Pipe









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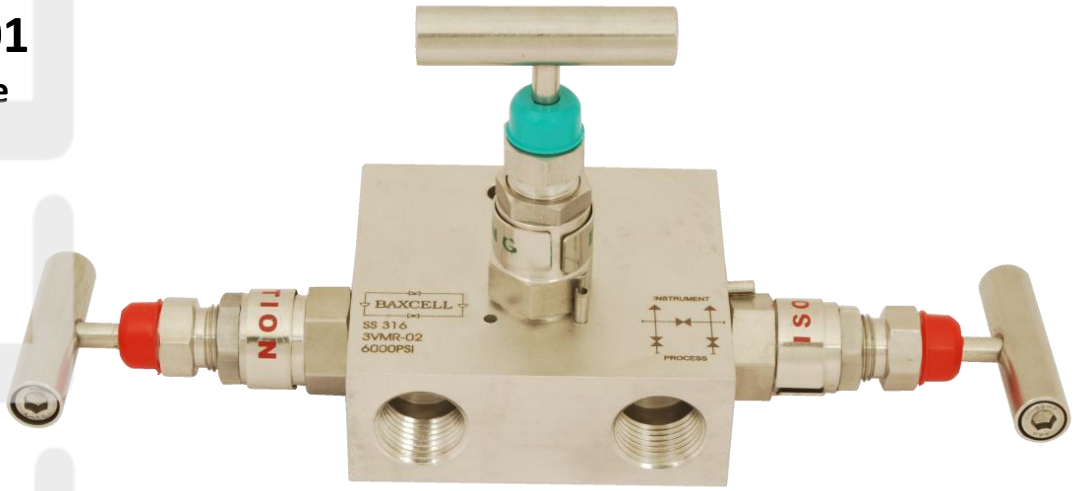
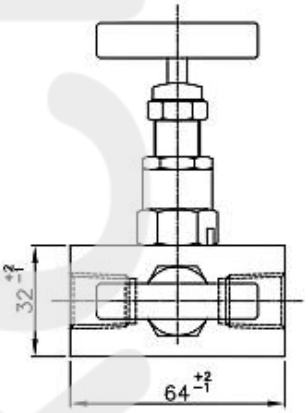
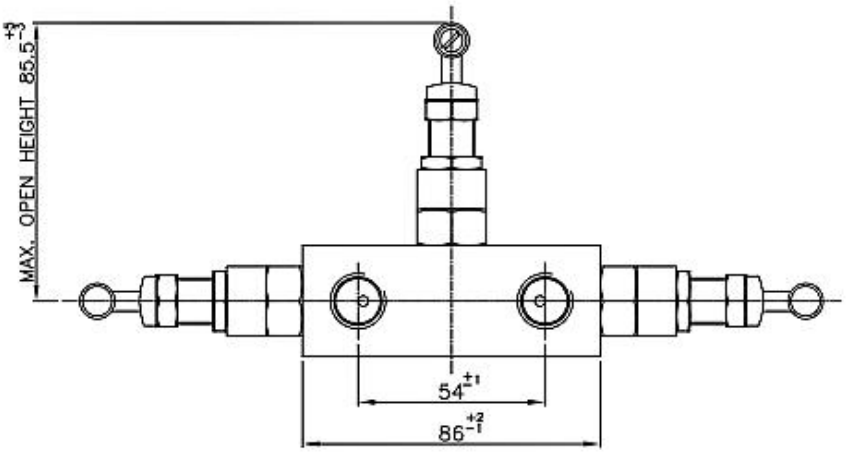
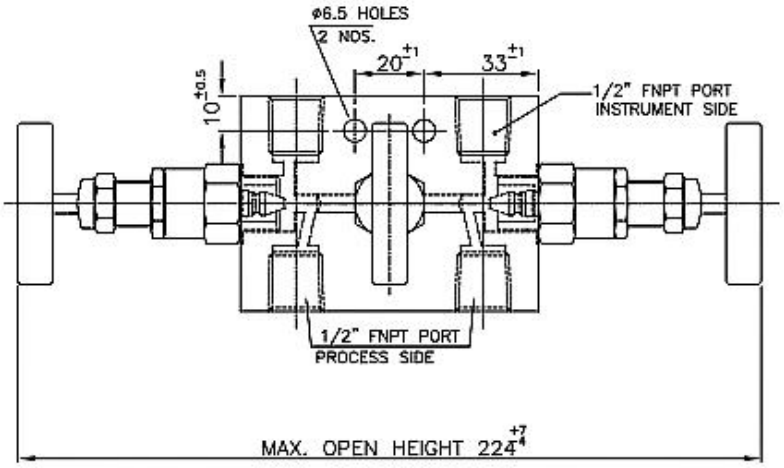
3VMR-01

Pipe to Pipe









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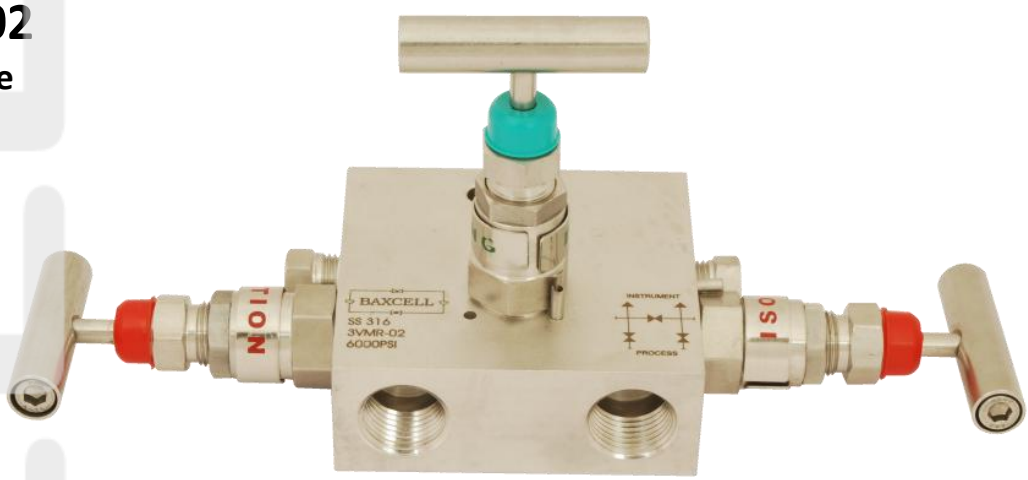
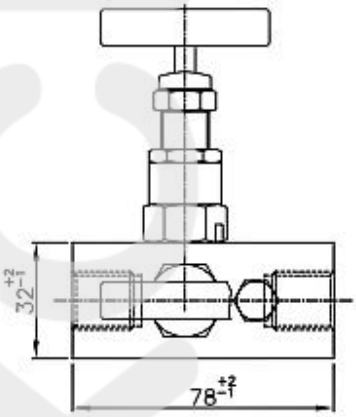
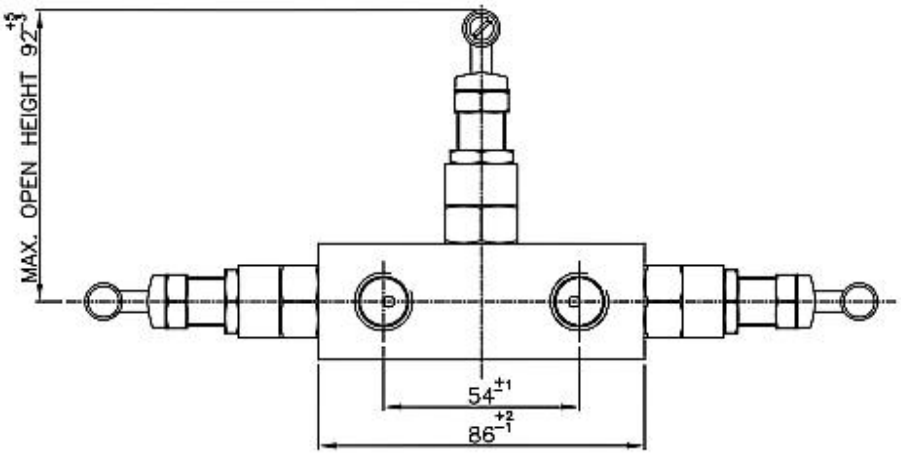
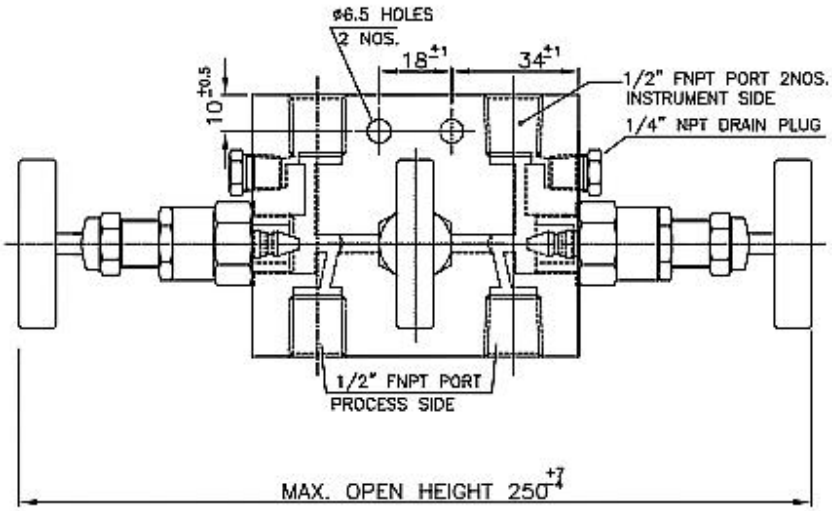
Pipe to Pipe









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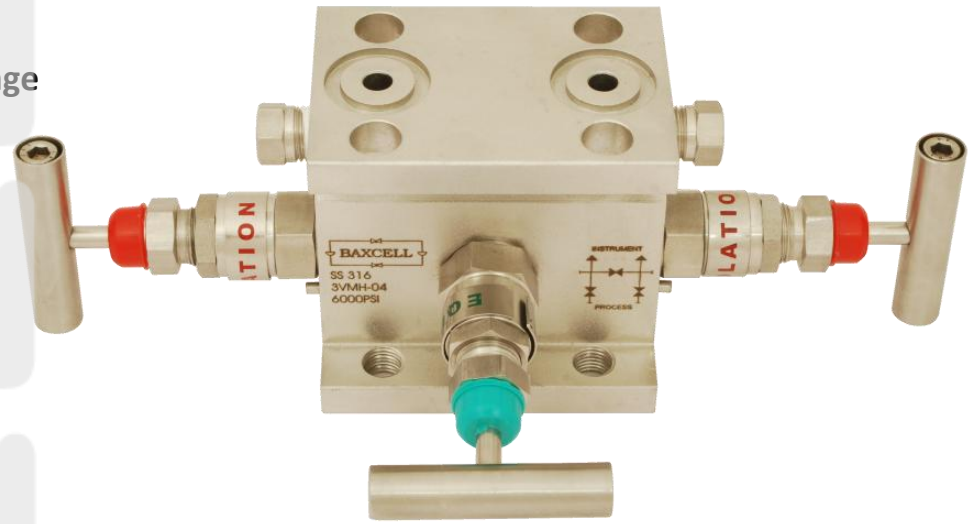
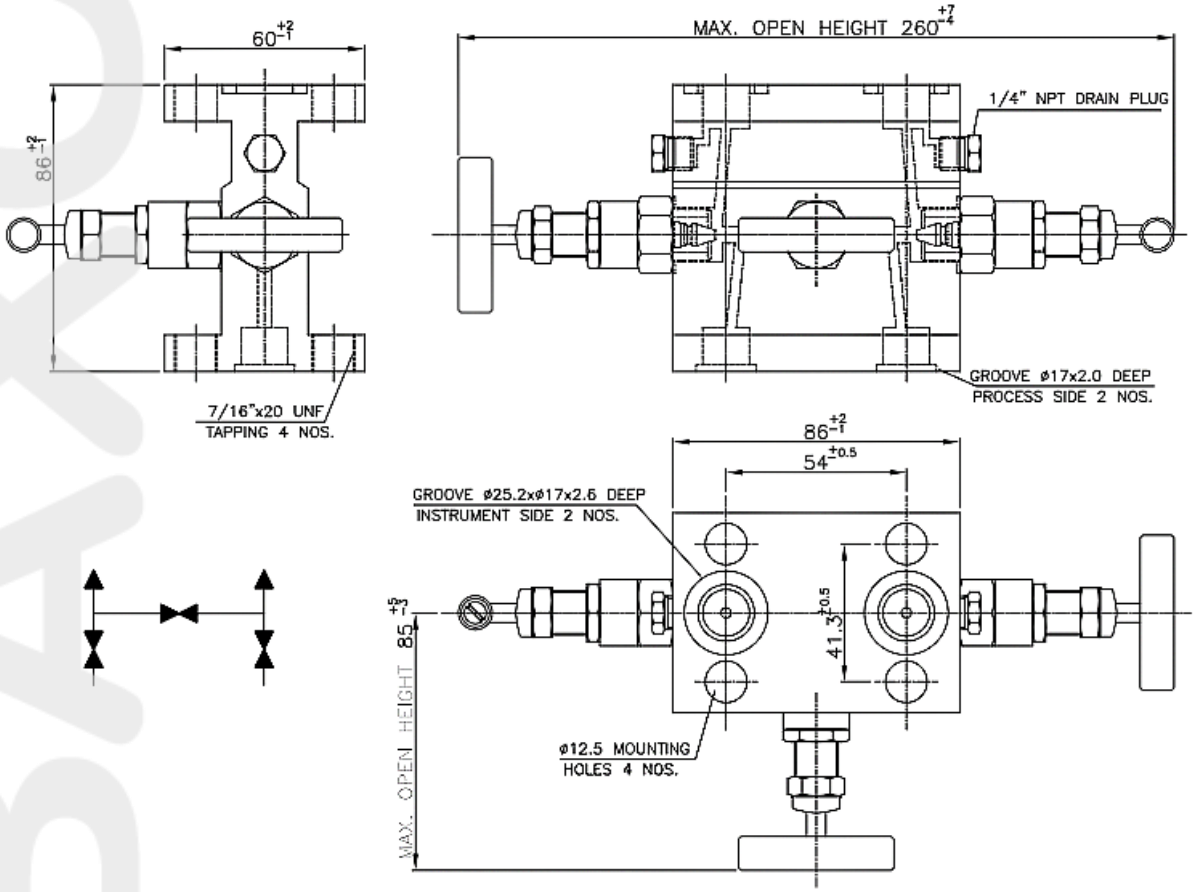
3VMH-04

Flange to Flange





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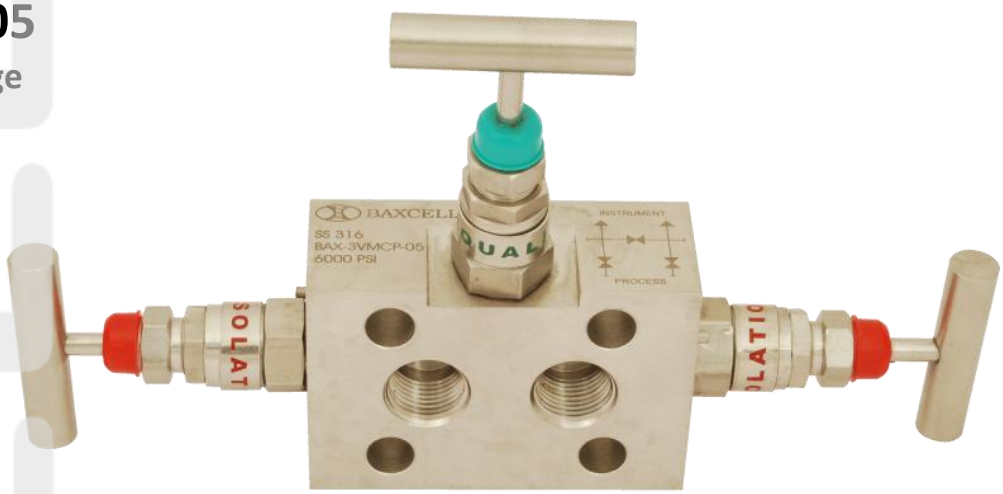
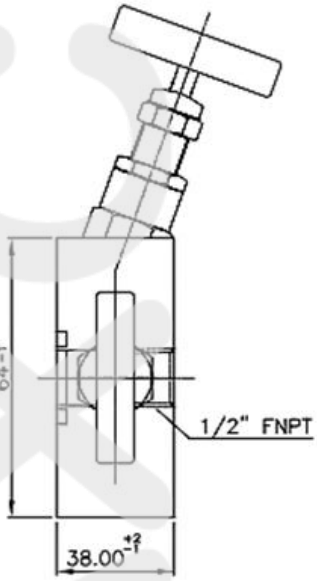
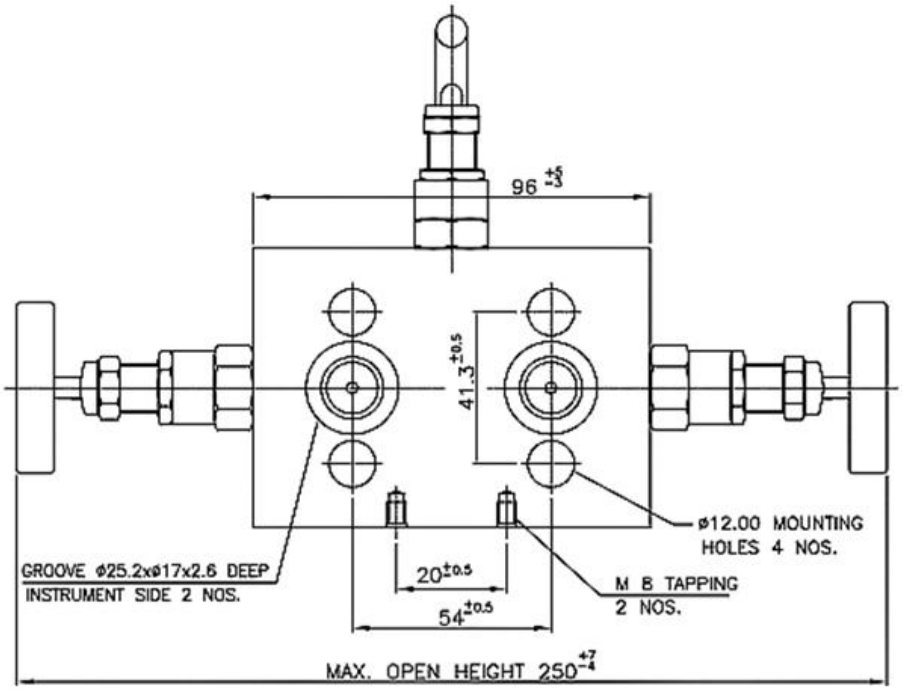
3VMCP-05

Pipe to Flange







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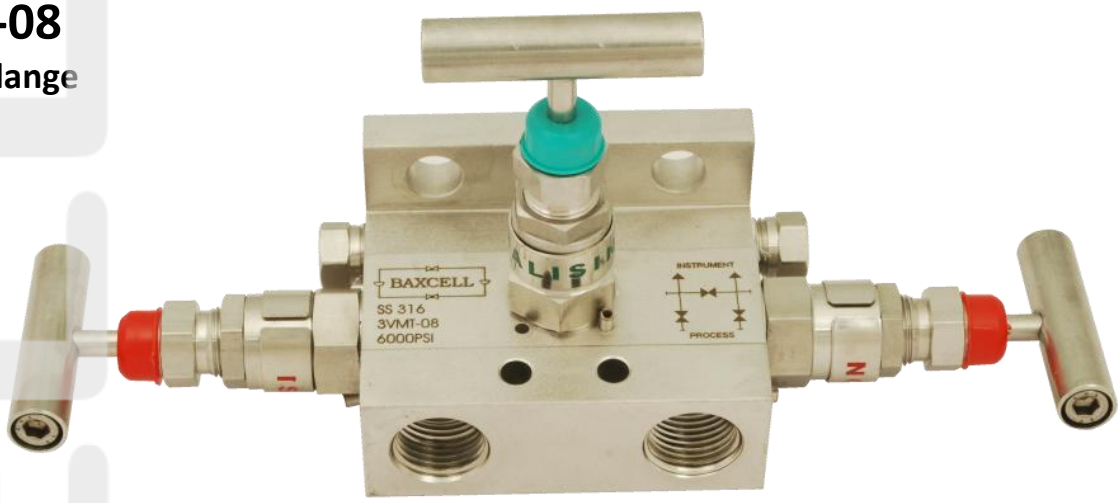
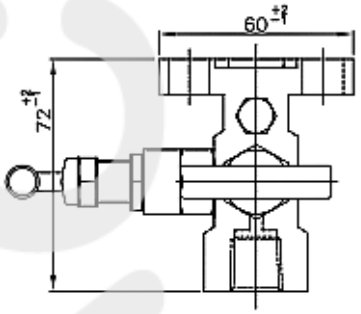
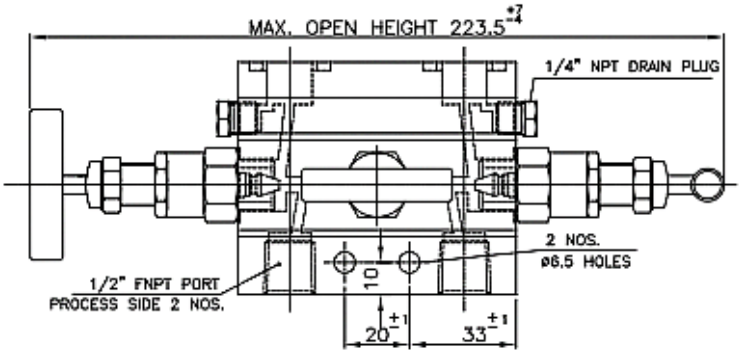
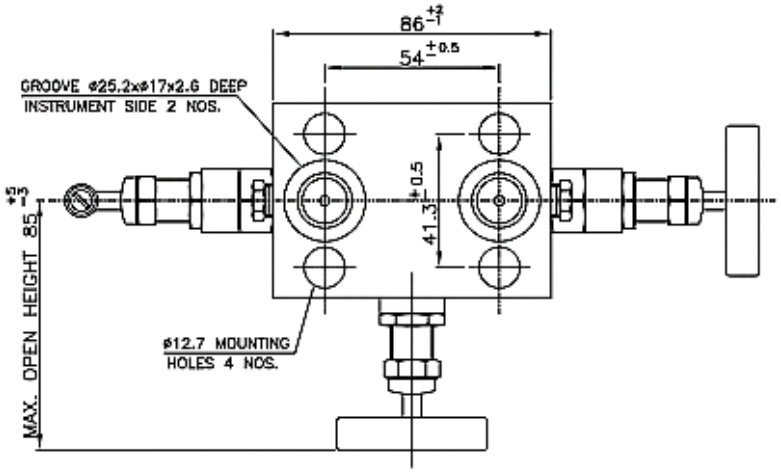
Pipe to Flange









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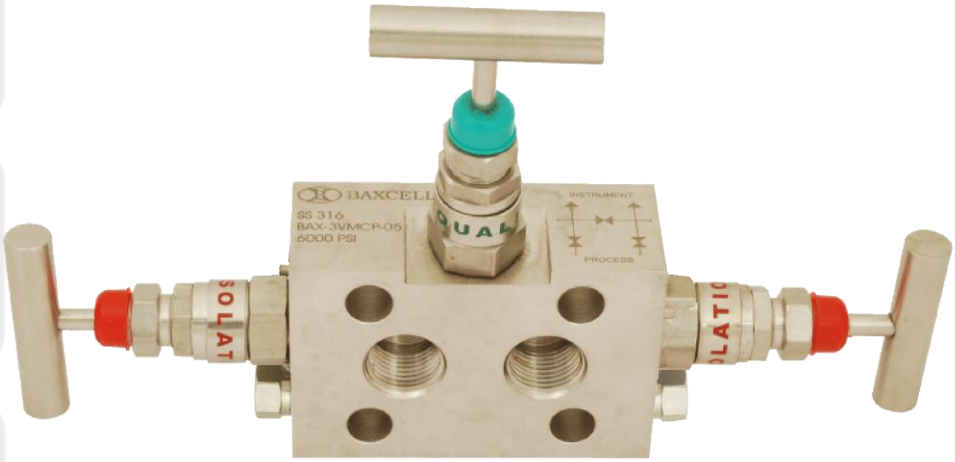
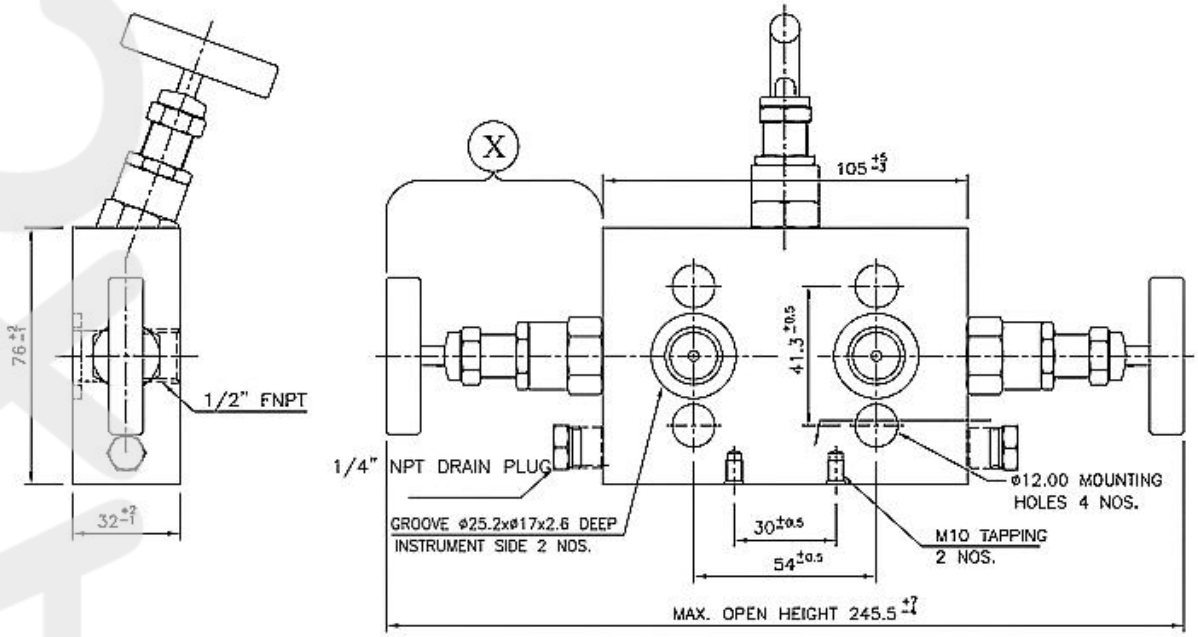
3VMCP-09

Pipe to Flange





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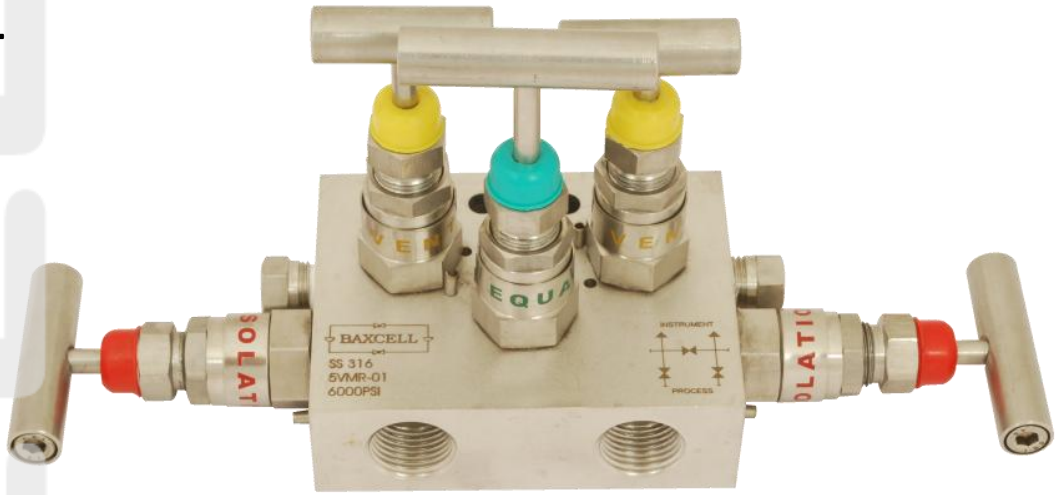
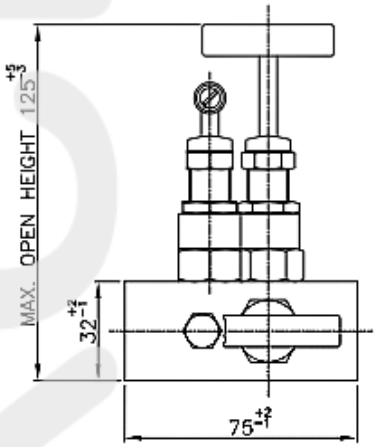
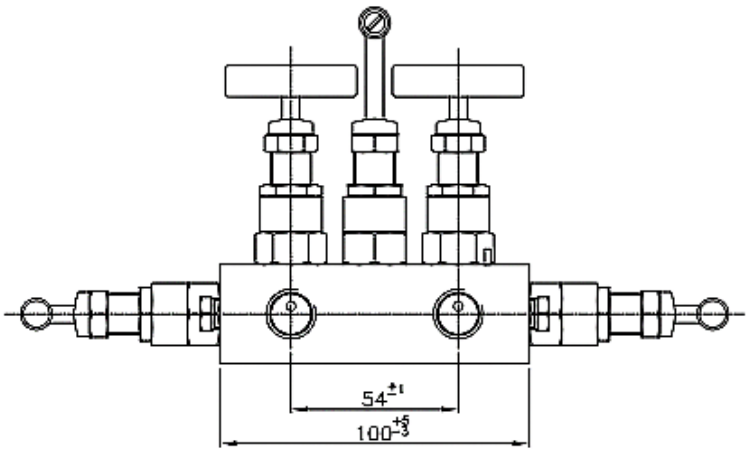
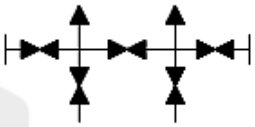
5VMR-01

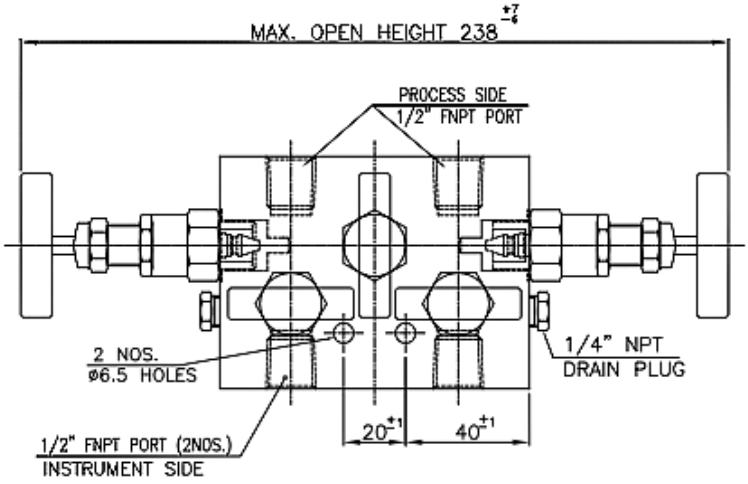
Pipe to Pipe











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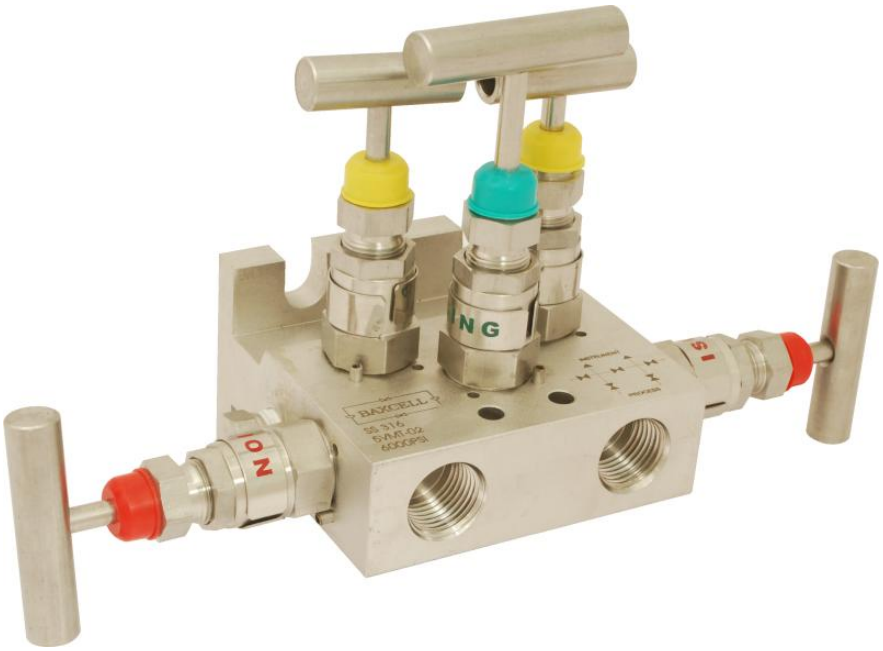
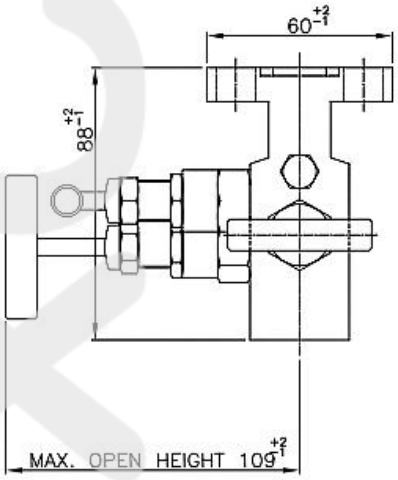
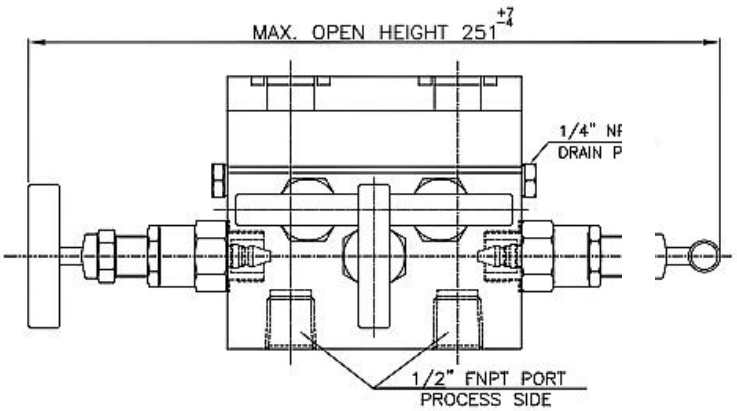
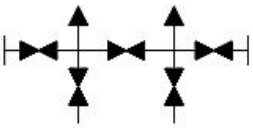
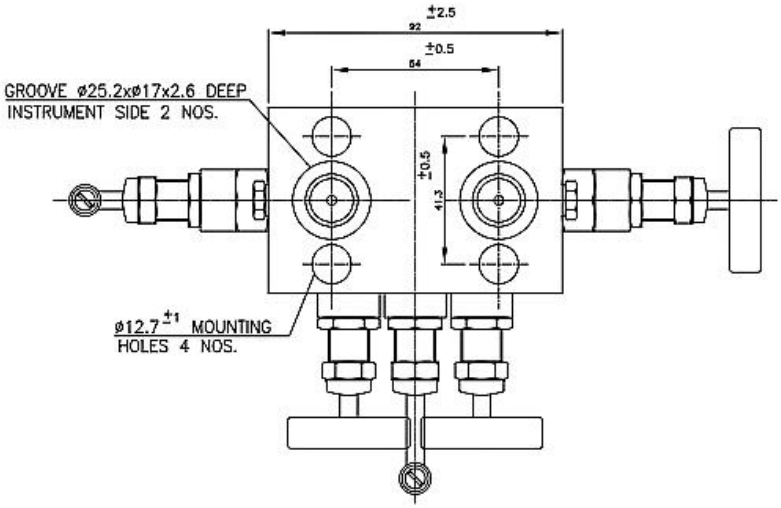
Pipe to Flange











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5VMR-03

Pipe to Pipe

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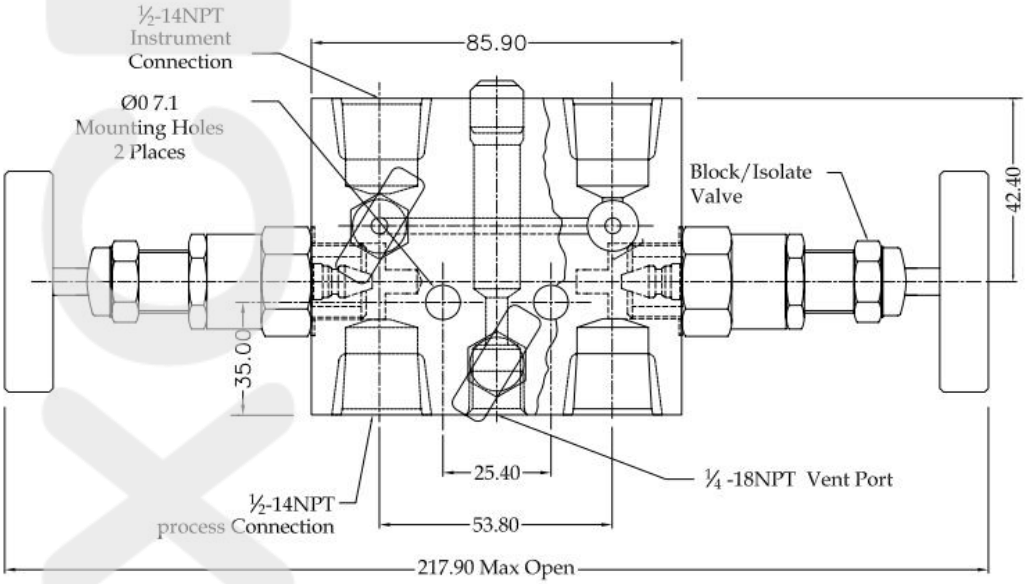

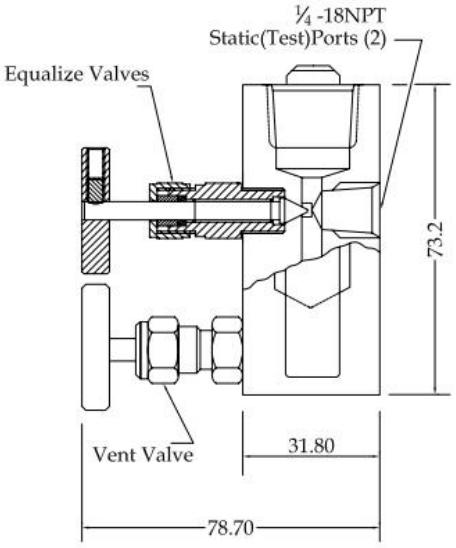

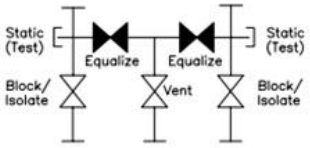

5VMCP-05

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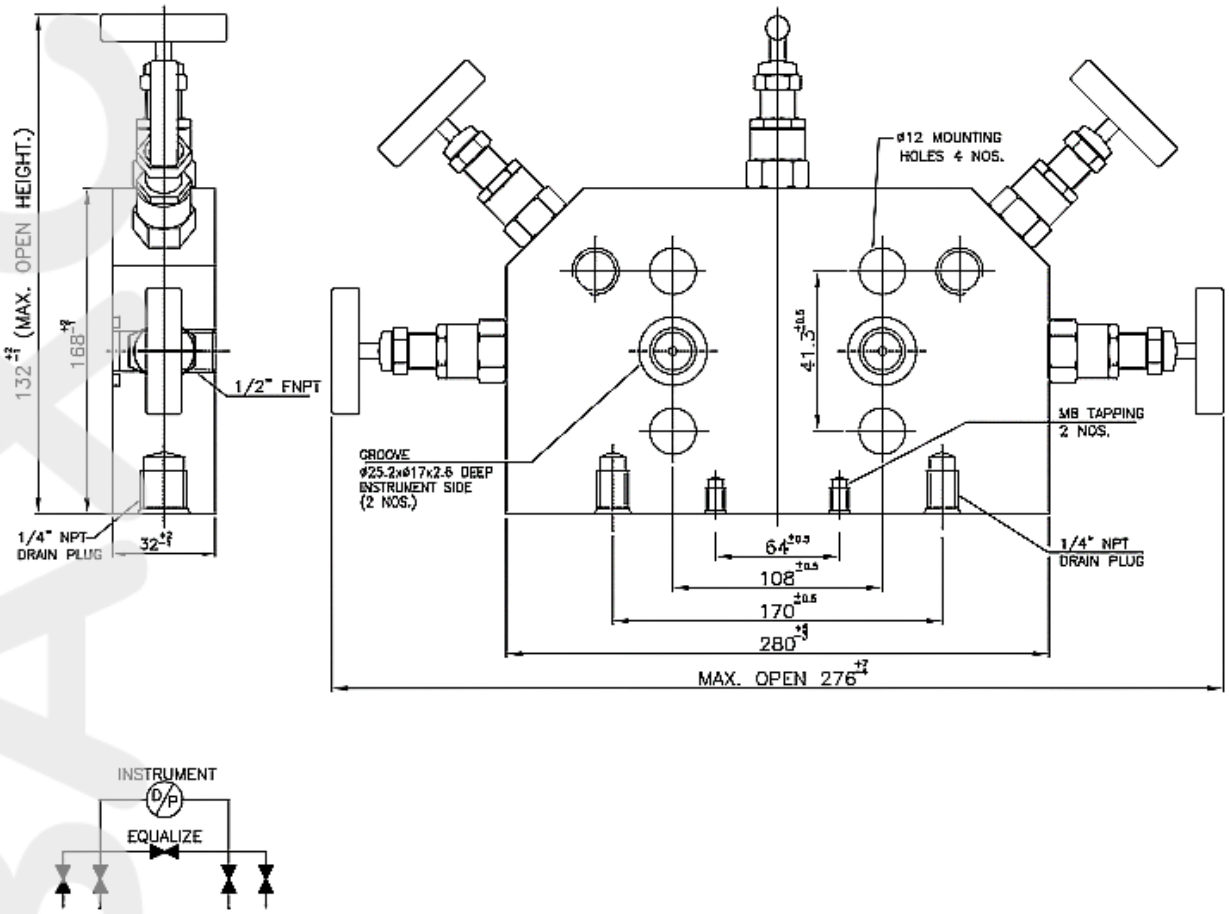

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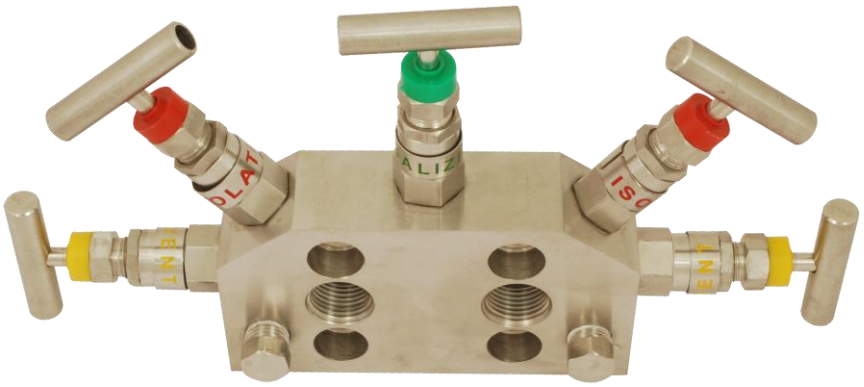
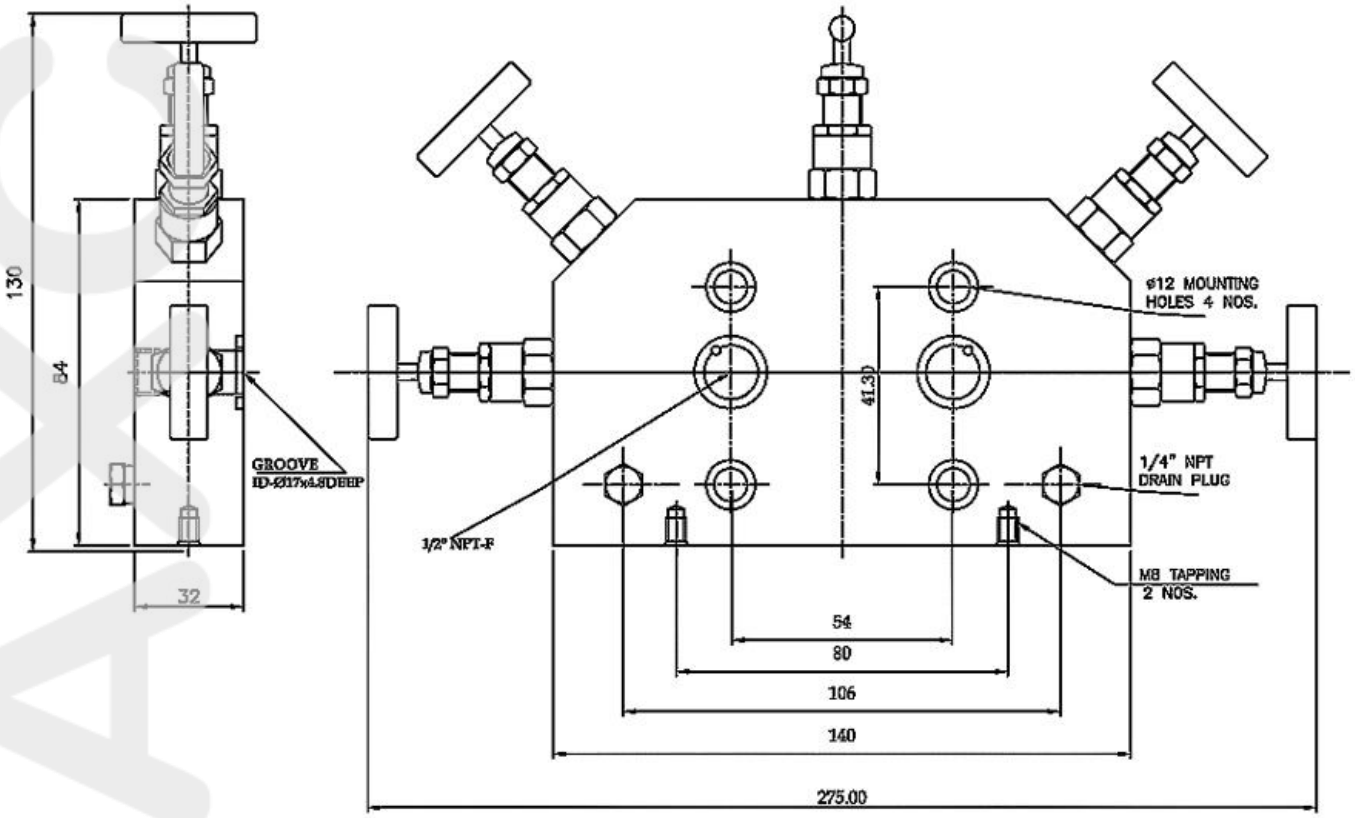
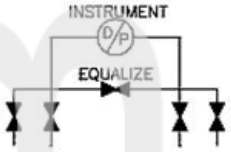
Pipe to Flange







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