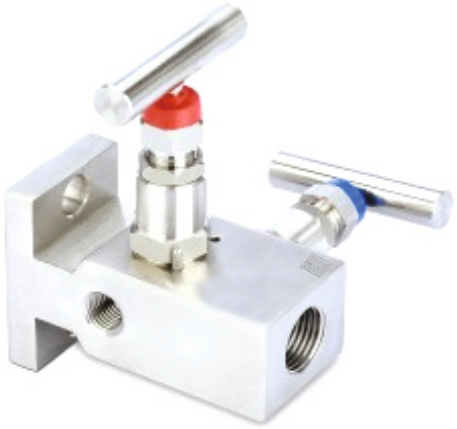
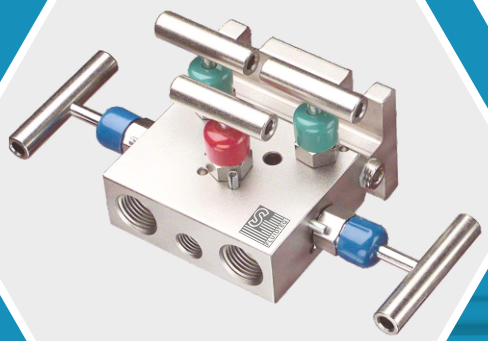
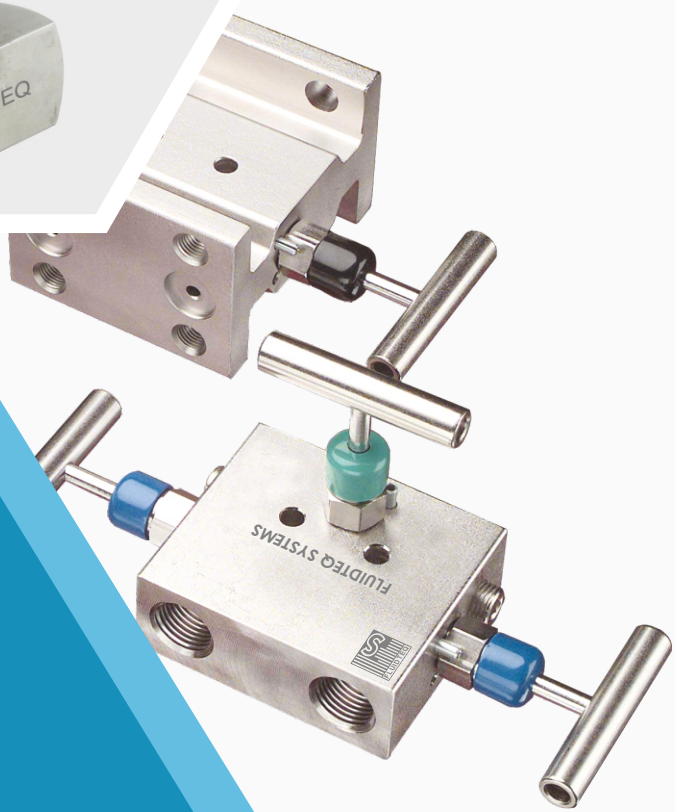
FLUIDTEQ SYSTEMS

(AN ISO 9001 : 2008 CERTIFIED COMPANY)







VALVES

COMPANY PROFILE

FLUIDTEQ SYSTEMS was established in March 2004, headed by our Managing Director Mr. Ashwin Bhagat, who is able to assist a team of experienced and professional Engineers.

A company of future, "FLUIDTEQ SYSTEMS" offer design and technical assistance on product improvement.

With the team of highly experienced professionals, we ventured into the range of Double Ferrule Compression Tube Fitting. We have diversified into the manufacturing of wide range of Single Ferrule Fitting, Valves, Manifolds, SAE Flanges and PP Clamps.

Our range of product have wide applications in the Instrumentation Oil & Gas installations, Steam and gas turbines, low temperature liquid, gas systems and all railway AC/DC EMU coaches, MRVC coaches, DMRC Metro coaches, Electric & Diesel Locos, Vebeo Fittings.

ISO CERTIFICATE


CERTIFICATE OF COMPLIANCE

ICS

INTERNATIONAL CERTIFICATION SERVICES PVT. LTD.

This is to certify that the QUALITY MANAGEMENT SYSTEM of

FLUIDTEQ SYSTEMS

20, Kotkar Industrial Estate, Off. Aarey Road, Goregaon East, Mumbai - 400 063, Maharashtra, India.

has been assessed and registered as complying with the requirements of the following International Standard:

ISO 9001:2008

The Quality Management System applicable to:

Scope: Manufacture, Assembly And Supply Of Double Ferrule And Hydraulic Compression Tube Fittings.

Registration No. : RQ91/3244
Registered Date : 26th October, 2012
Reassessment Date : 03rd November, 2015
Issue Date : 04th November, 2015
Valid Upto : 14th September, 2018

JAS-ANZ

IAF

Managing Director
International Certification Services Pvt. Ltd.

Accredited by Joint Accreditation System of Australia and New Zealand

Validity of this certificate is based on periodic audits of the management system defined by the above scope and is contingent upon prompt, written notification of significant changes to the management system and/or its components thereof shall be immediately communicated to ICS.
Further clarifications regarding the scope of this certificate and the applicability of ISO 9001:2008 requirements may be obtained at www.icsasian.com
Expiry date 25th October, 2018 subject to upgradation of ISO 9001:2015 standard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Expiry date 25th October, 2018 subject to upgradation of ISO 9001:2015 standard

NEEDLE VALVE

FLUIDTEQ NEEDLE VALVES are manufactured from Bar Stock and are 100% factory tested for better reliability and consistency in Leak Proof Performance

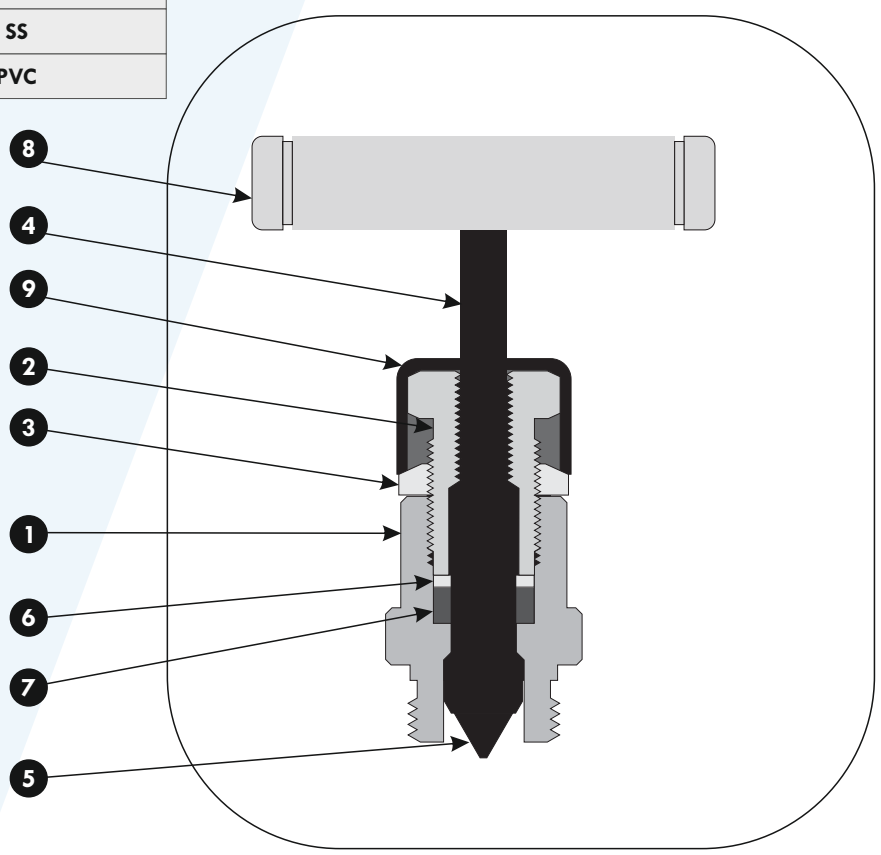
FEATURES

Available in square, hex type construction, material A479-316/A105.
Working pressure of 3000 psig, 6000 psig.
Non rotating stem tip.
Available in straight, angle pattern.
Stainless steel construction with options of packing for high temperature application.
Colour coded dust caps for identification of valve type.
100% factory tested.
Metal to metal seating for constant compression.
Thread rolled and burnished stem.
Hardened tip for extended leak proof life.
Dust cap on bonnet pusher to protect threads from external contamination.
Low torque operating t-bar handle.

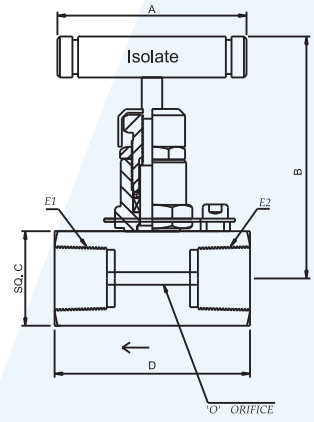
BONNET DESIGN

SI NO.	DESCRIPTION	QTY.	MATERIAL
1	BONNET	1	SS316
2	PUSHER	1	SS316
3	CHECK NUT	1	SS316
4	SPINDLE	1	SS316
5	SPINDLE TIP	1	SS316
6	WASHER	1	SS316
7	PACKING	1	PTFE
8	T-HANDLE	1	SS
9	DUST CAP	1	PVC

BONNET ASSEMBLY

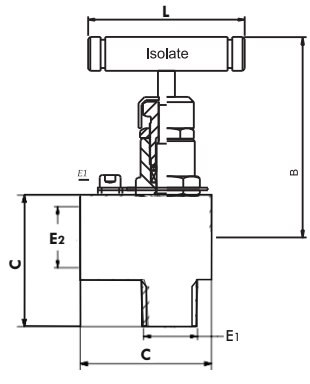


NEEDLE VALVE NV SERIES



Part No.	End Conn. Size		A	B	C	D	O
	E1	E2					
FNV-4TT	1/4"T	1/4"T	60	68	25	63	4.0
FNV-6TT	3/8"T	3/8"T	60	68	25	67	4.0
FNV-8TT	1/2"T	1/2"T	60	68	25	73	4.0
FNV-4FF	1/4"F	1/4"F	60	66	25	52	4.0
FNV-6FF	3/8"F	3/8"F	60	66	25	52	4.0
FNV-8FF	1/2"F	1/2"F	60	79	32	62	4.0
FNV-12FF	3/4"F	3/4"F	60	82	38	62	4.0
FNV-12MM	3/4"M	3/4"M	60	66	25	57	4.0
FNV-6MM	3/8"M	3/8"M	60	66	25	57	4.0
FNV-8MM	1/2"M	1/2"M	60	79	32	74	4.0
FNV-12MM	3/4"M	3/4"M	60	82	38	78	4.0

ANGLE VALVE ANV SERIES



Part No.	End Conn. Size		A	B	C	D	O
	E1	E2					
FANV-4MF	1/4"M	1/4"F	60	66	28	45	4.0
FANV-6MF	3/8"M	3/8"F	60	66	28	45	4.0
FANV-8MF	1/2"M	1/2"F	60	79	30	50	4.0
FANV-12MF	3/4"M	3/4"F	60	82	36	65	4.0
FANV-4FF	1/4"F	1/4"F	60	66	28	40	4.0
FANV-6FF	3/8"F	3/8"F	60	66	28	40	4.0
FANV-8FF	1/2"F	1/2"F	60	79	30	50	4.0
FANV-12FF	3/4"F	3/4"F	60	82	36	60	4.0

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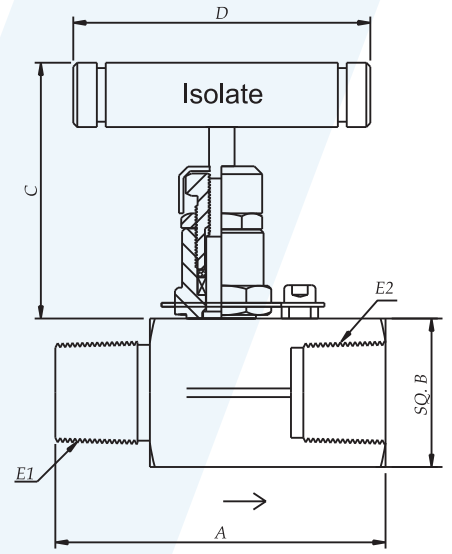
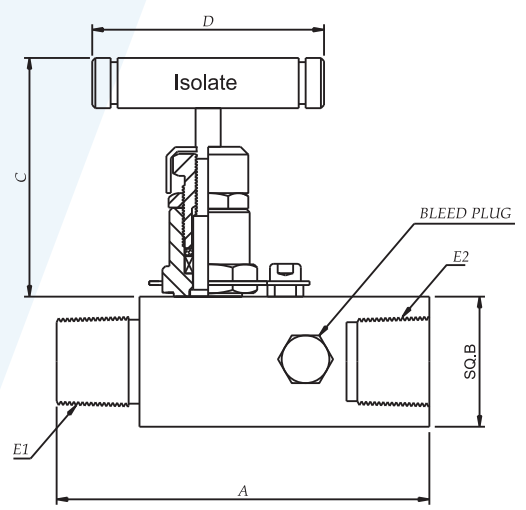
GAUGE NEEDLE VALVE GNV SERIES

GAUGE NEEDLE VALVE



Part No.	End Conn. Size		A	B	C	D
	E1	E2				
FGNV-4MF	1/4"M	1/4"F	57	25	66	6
FGNV-8MF	3/8"M	3/8"F	87	32	66	6

GAUGE NEEDLE VALVE WITH BLEED PLUG



Part No.	End Conn. Size		A	B	C	D
	E1	E2				
FGNV-BP-4MF	1/4"M	1/4"F	67	25	66	60
FGNV-BP-8MF	3/8"M	3/8"F	94	32	66	60

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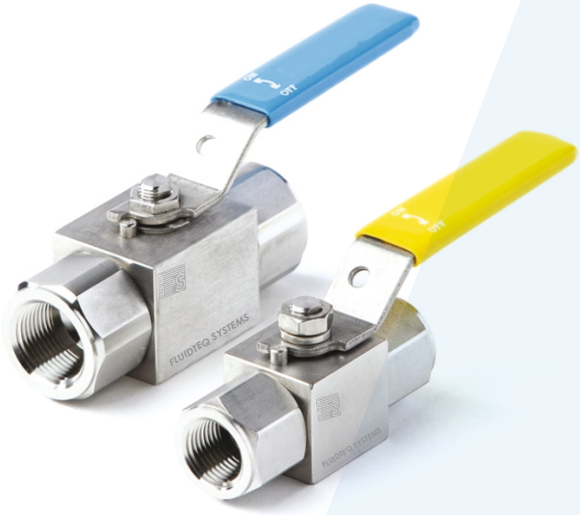
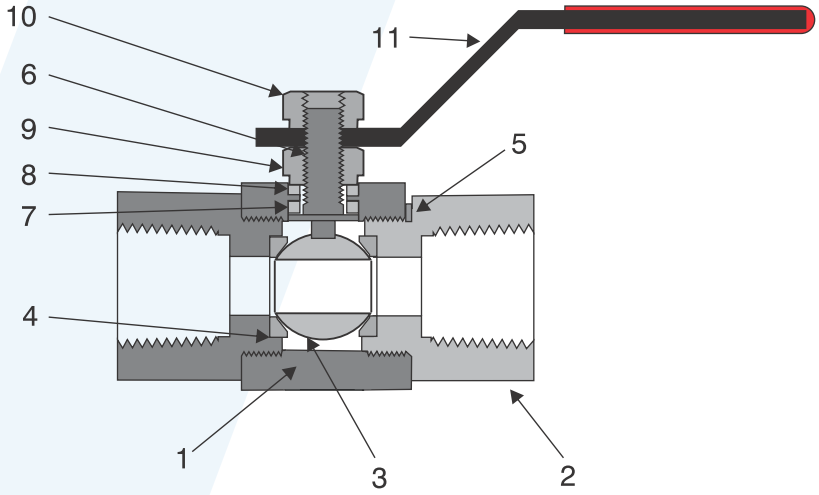
BAR STOCK BALL VALVES



FLUIDTEQ BALL VALVES are used for ON / OFF of flow just by turning the handle 1/4 turn or 1/2 turn. These Valves are available in two way based on the application. These Valves are of compact design and can withstand pressures upto 3000psig.

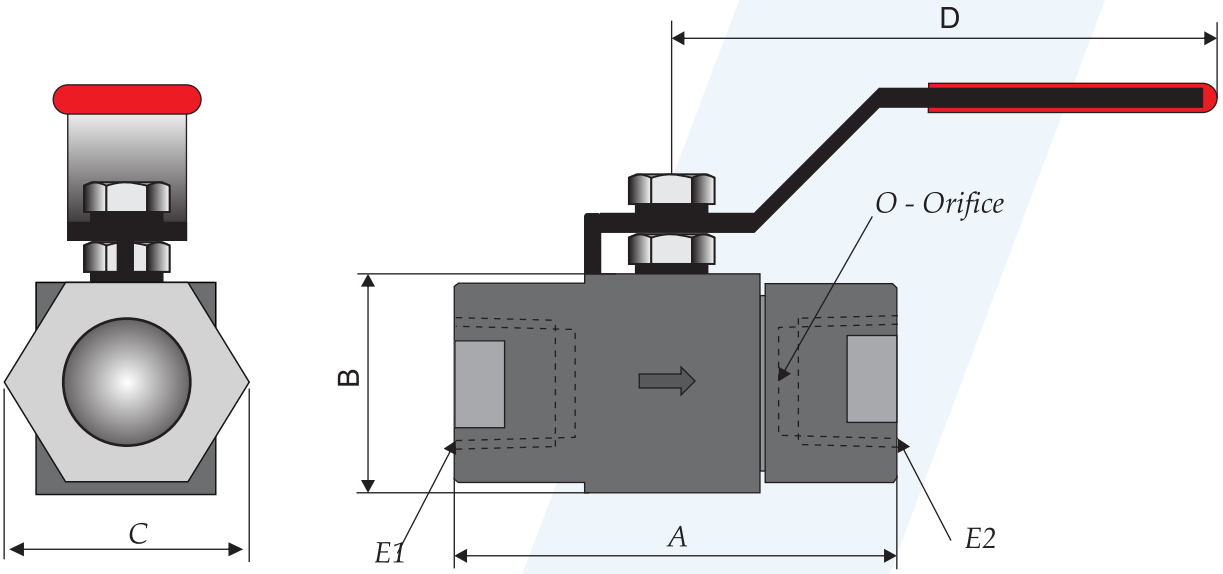
FEATURES

High flow capacity and compact design
Balls are blow-outproof
Working pressure upto 1000 psig
100% factory tested
Superfinish ball for effective sealing
Hardened tip for extended leak proof life



SI NO.	DESCRIPTION	QTY.	MATERIAL
1	BODY	1	A479-316/ A-105
2	CONNECTOR	2	A479-316/ A-105
3	BALL	1	A479-316
4	BALL SEAT	2	PTFE / PEEK
5	WASHER	2	A479-316/ A-105
6	STEM	1	A479-316/ A-105
7	PACKING	1	PTFE
8	PACKING	1	PTFE
9	STEM NUT	1	A479-316/ A-105
10	STEM NUT	1	A479-316/ A-105
11	HANDLE	1	SS

BALL VALVES BV SERIES



Part No.	End Conn. Size		A	B	C	D	O
	E1	E2					
FBV - 4TT	1/4"T	1/4"T	75	30	27	107	6
FBV - 6TT	3/8"T	3/8"T	80	30	27	107	6
FBV - 8TT	1/2"T	1/2"T	95	36	33	107	10.3
FBV - 4FF	1/4"F	1/4"F	52	30	27	107	6
FBV - 6FF	3/8"F	3/8"F	52	30	27	107	6
FBV - 8FF	1/2"F	1/2"F	73	36	33	107	10.3
FBV - 4MM	1/4"M	1/4"M	58	30	25	107	6
FBV - 6MM	3/8"M	3/8"M	58	30	25	107	6
FBV - 8MM	1/2"M	1/2"M	68	35	30	107	10.3

GENERAL INFORMATION

T - TUBE FITTING
F - FEMALE NPT
M - MALE NPT

Note.: Valves with different choice of end connection could be manufactured upon request.
Dimensions are for reference only and can change for development without notice.
All dimensions are in millimeters(mm) and unless otherwise specified.

MANIFOLD VALVES

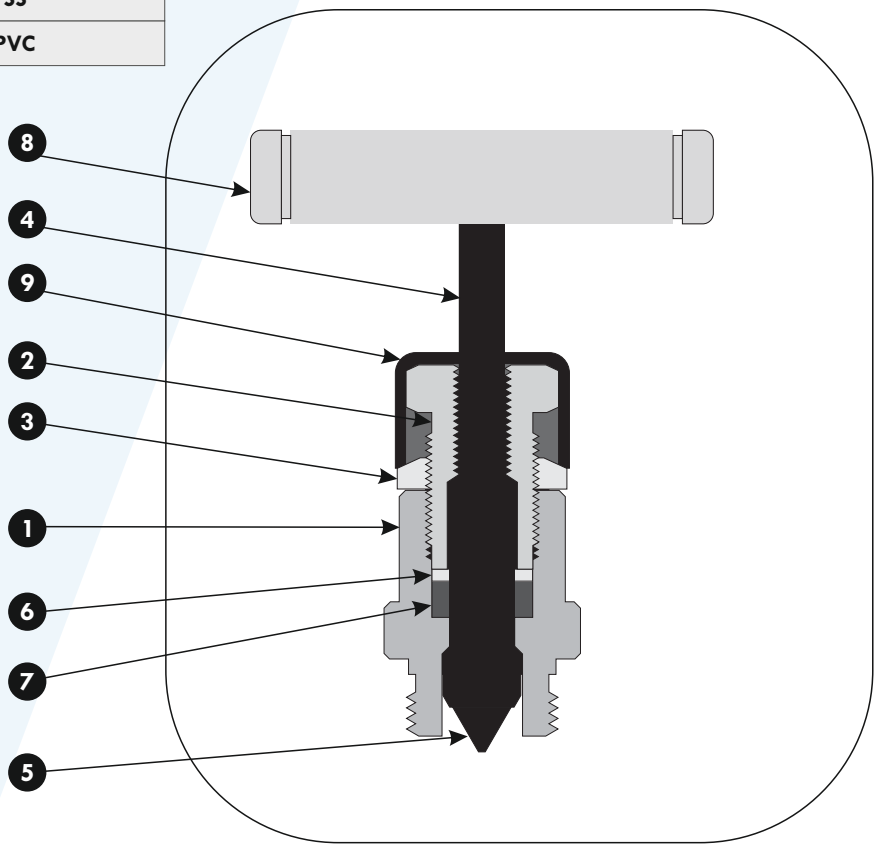
FLUIDTEQ MANIFOLDS are designed for separate mounting, connecting Impulse Line & Transmitters. Manifold Valves comes in the configuration of 2 Valve, 3 Valve & 5 Valve which allow for easy Block & Bleed and Calibration of Static Pressure Transmitting Guage. Manifold combine the function of a Tee, Calibration Valve, Isolation Valve, All tubing & Fittings in a Single Valve Configuration. Various material options for body and packings are available for different temperature applications.

FEATURES

Workings Pressure of 6000 psig
Non Rotating Vee type design to eliminate rotation between seat and tip
Stainless Steel Construction with options of packing for high temperature application
Colour coded Dust Caps for identification of Valve type
100% factory Tested
Metal to Metal Seating for constand compression
Hardened Tip for extended Leak Proof Life

SI NO.	DESCRIPTION	QTY.	MATERIAL
1	BONNET	1	SS316
2	PUSHER	1	SS316
3	CHECK NUT	1	SS316
4	SPINDLE	1	SS316
5	SPINDLE TIP	1	SS316
6	WASHER	1	SS316
7	PACKING	1	PTFE
8	T-HANDLE	1	SS
9	DUST CAP	1	PVC

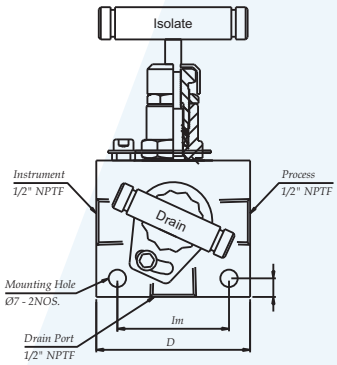
BONNET ASSEMBLY

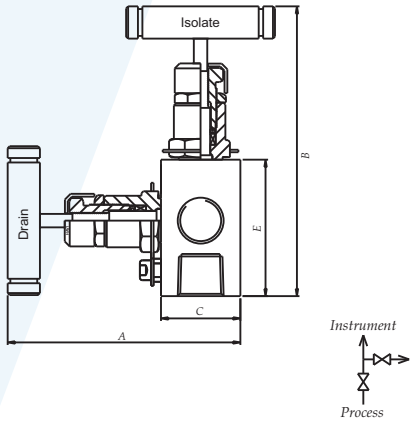


2 VALVE MANIFOLD

SEPERATELY MOUNTED 2 VALVE MANIFOLD

Pipe to Pipe design, Seperately Mounted 2 Valve Manifold, suitable for Wall Mounting with the help of two Bolts. This Valve connects the System Impulse Lines and Transmitters having two simple configuration.

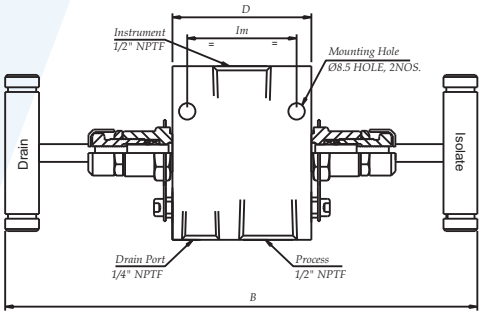


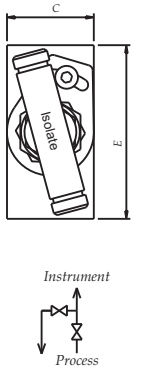


Part No.	Connections			A	B	C	D	E	Im
	Process	Instrument	Drain						
FVM-2WA-8FF	1/2"NPTF	1/2"NPTF	1/4"NPTF	95	118	32	62	56	45

SEPERATELY MOUNTED 2 VALVE MANIFOLD

Pipe to Pipe design, Seperately Mounted 2 Valve Manifold, suitable for Wall Mounting with the help of two Bolts. This Valve connects the System Impulse Lines and Transmitters having two simple configuration.





Part No.	Connections			A	B	C	D	E	Im
	Process	Instrument	Drain						
FVM-2WB-8FF	1/2"NPTF	1/2"NPTF	1/4"NPTF	95	177	32	51	63.5	37

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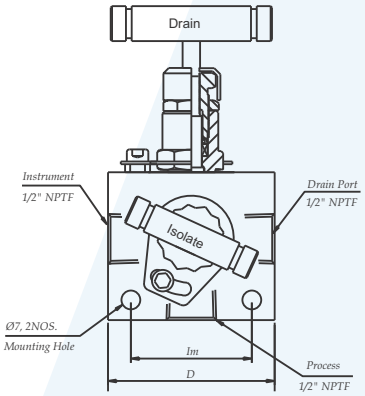
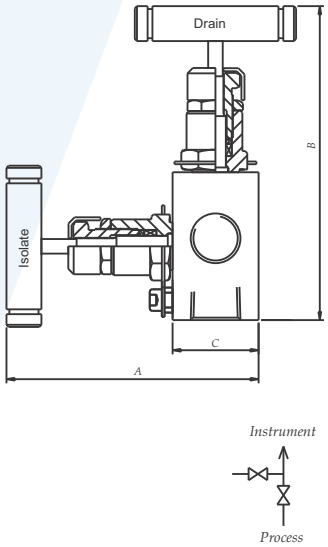
SEPERATELY MOUNTED 2 VALVE MANIFOLD

Pipe to Pipe design, Seperately Mounted 2 Valve Manifold, suitable for Wall Mounting with the help of two Bolts. This Valve connects the System Impulse Lines and Transmitters having two simple configuration.

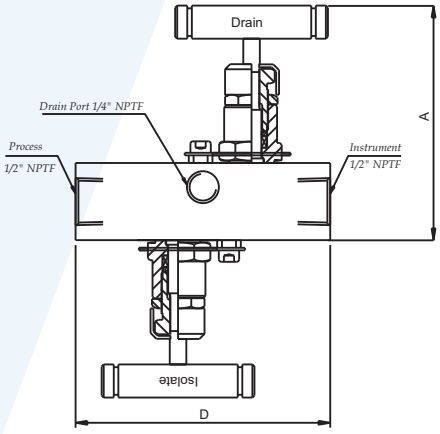


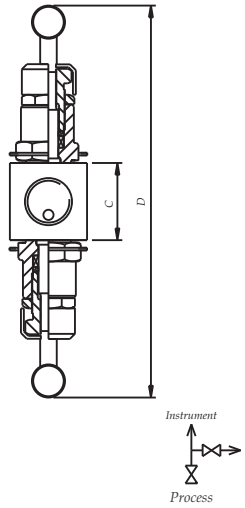


Part No.	Connections			A	B	C	D	lm
	Process	Instrument	Drain					
FVM-2WC-8FF	1/2"NPTF	1/2"NPTF	1/4"NPTF	95	118	32	62	45

SEPERATELY MOUNTED 2 VALVE MANIFOLD

Pipe to Pipe design, Seperately Mounted 2 Valve Manifold, suitable for Wall Mounting with the help of two Bolts. This Valve connects the System Impulse Lines and Transmitters having two simple configuration.

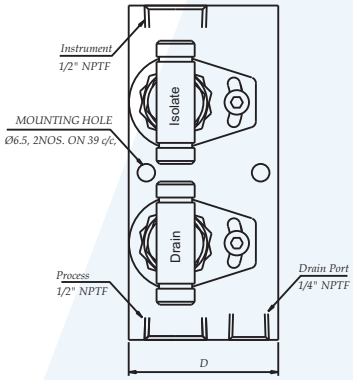


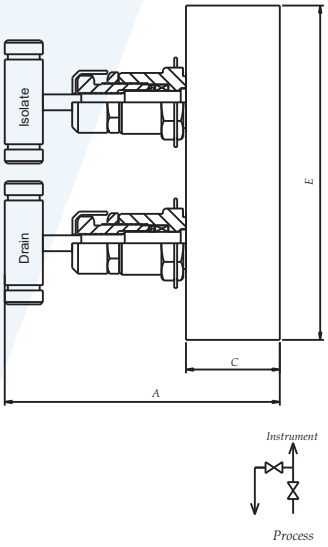


Part No.	Connections			A	B	C	D
	Process	Instrument	Drain				
FVM-2WD-8FF	1/2"NPTF	1/2"NPTF	1/4"NPTF	95	158	32	100.0
FVM-2WD-8MF	1/2"NPTM	1/2"NPTF	1/4"NPTF	95	158	32	106.0
FVM-2WD-8MM	1/2"NPTM	1/2"NPTM	1/4"NPTF	95	158	32	106.0

SEPERATELY MOUNTED 2 VALVE MANIFOLD

Pipe to Pipe design, Seperately Mounted 2 Valve Manifold, suitable for Wall Mounting with the help of two Bolts. This Valve connects the System Impulse Lines and Transmitters having two simple configuration.

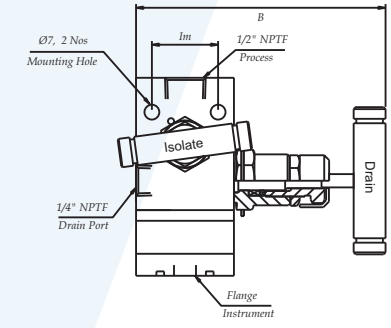


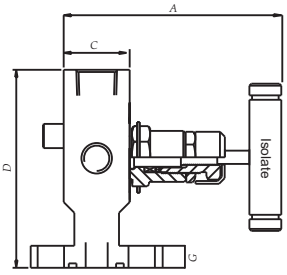


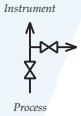
Part No.	Connections			A	C	D	E	Im
	Process	Instrument	Drain					
FVM-2WE-8FF	1/2"NPTF	1/2"NPTF	1/4"NPTF	95	32	51	114	39

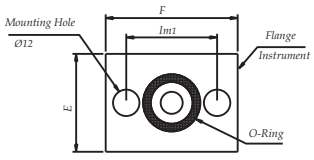
DIRECTLY MOUNTED 2 VALVE MANIFOLD - T TYPE.

Pipe to Flange design, Directly Mounted 2 Valve Manifold. This Valve connects the System Impulse Lines and Transmitters having two simple configuration.





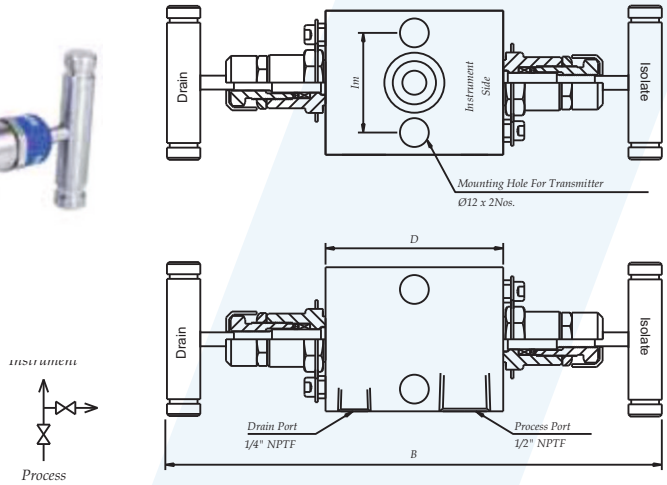




Part No.	Connections			A	B	C	D	E	F	G	Im	Im1
	Process	Instrument	Drain									
FVM-2WTA-8F	1/2"NPTF	FLANGE	1/4"NPTF	91	108	28	90	43	60	10	30	41.3

DIRECTLY MOUNTED 2 VALVE MANIFOLD

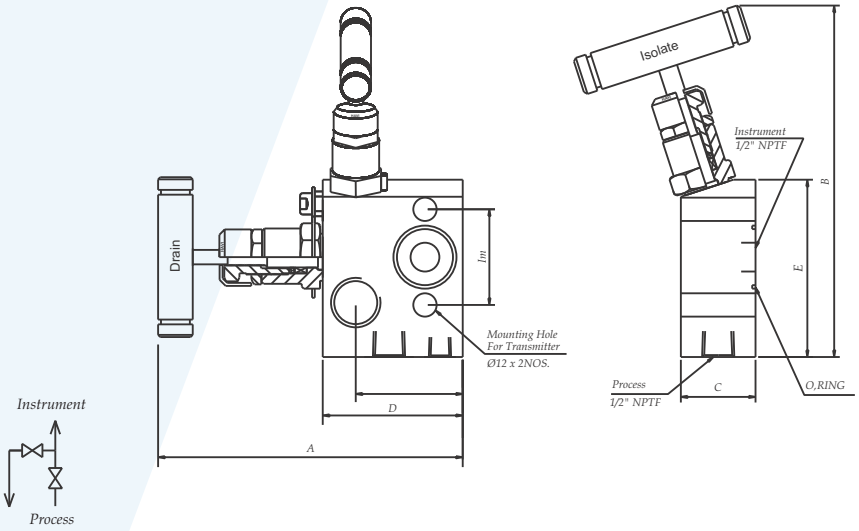
Pipe to Flange design, Directly Mounted 2 Valve Manifold. This Valve connects the System Impulse Lines and Transmitters having two simple configuration.



Part No.	Connections			A	B	C	D	E	Im
	Process	Instrument	Drain						
FVM-2WB-8F	1/2"NPTF	FLANGE	1/4"NPTF	95	200	32	74	60	42

DIRECTLY MOUNTED 2 VALVE MANIFOLD

Pipe to Flange design, Directly Mounted 2 Valve Manifold. This Valve connects the System Impulse Lines and Transmitters having two simple configuration.

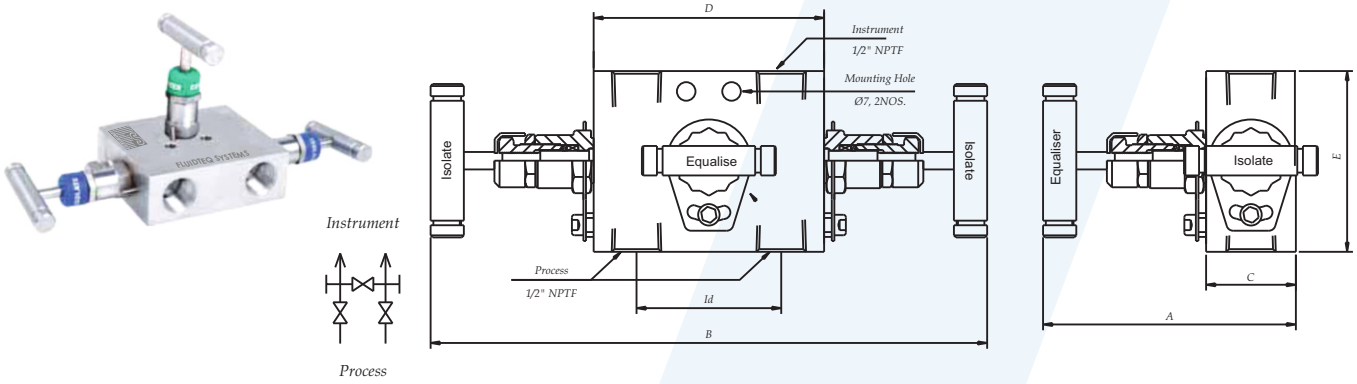


Part No.	Connections			A	B	C	D	E	Im
	Process	Instrument	Drain						
FVM-2WC-8F	1/2"NPTF	FLANGE	1/4"NPTF	123	140	32	60	73	41.3

3 VALVE MANIFOLD

SEPERATELY MOUNTED 3 VALVE MANIFOLD

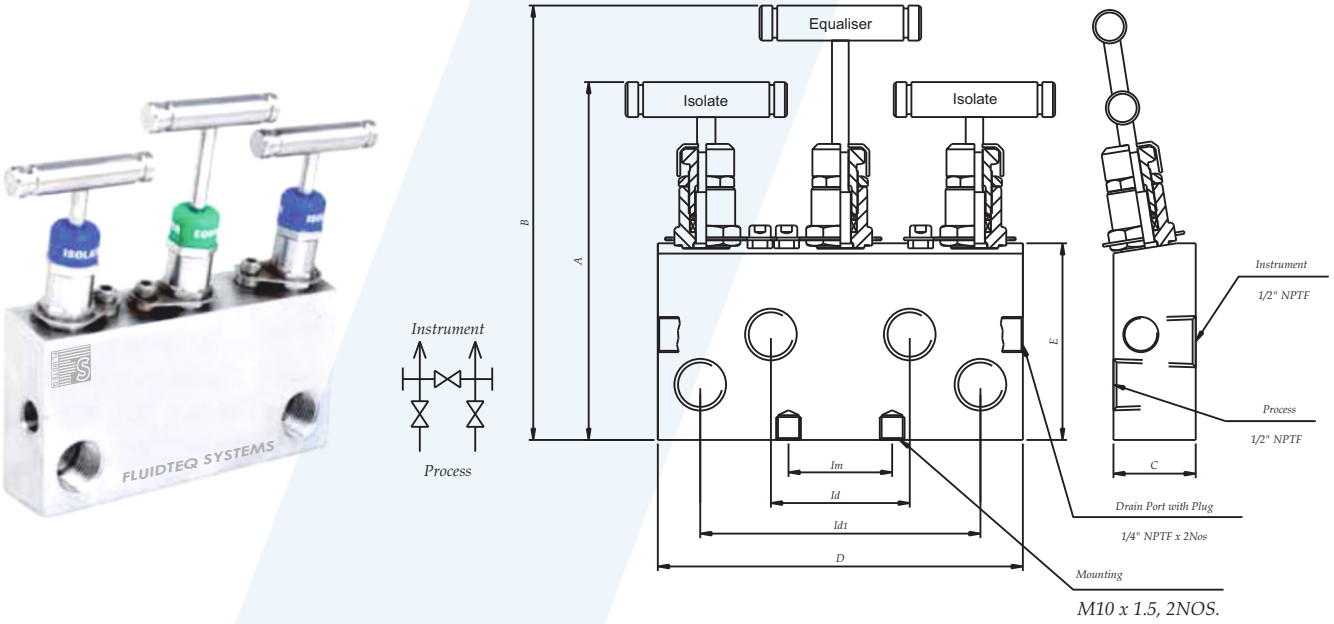
Pipe to Pipe design, Seperately Mounted 3 Valve Manifold. This Valve has got ½"NPT Female connections at a center distance of 54mm. It has got one Equalise Valve and 2 Isolate Valves. This does not have Drain port.



Part No.	Connections			A	B	C	D	E	Id
	Process	Instrument	Drain						
FVM-3WA-8FF	1/2"NPTF	1/2"NPTF	NO DRAIN	81	232	32	88	70	54

SEPERATELY MOUNTED 3 VALVE MANIFOLD

Pipe to Pipe design, Seperately Mounted 3 Valve Manifold. This Valve has got ½"NPT Female connections at a center distance of 54mm. It has got one Equalise Valve and 2 Isolate Valves. This Valve has Drain port that comes in plugged condition.



Part No.	Connections			A	B	C	D	E	Im	Id	Id1
	Process	Instrument	Drain								
FVM-3WB-8FF	1/2"NPTF	1/2"NPTF	1/4"NPTF	140	169	32	142	76	30	54	110

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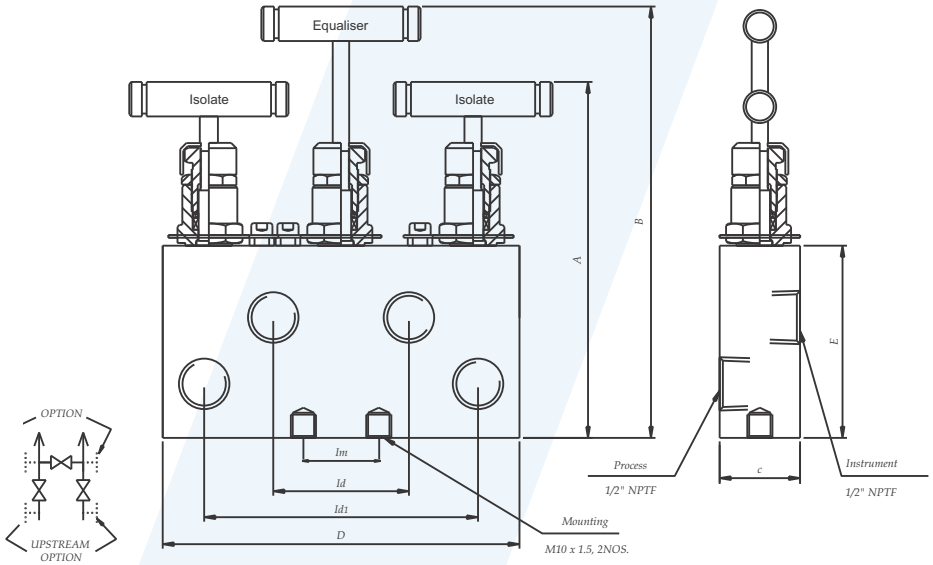
SEPERATELY MOUNTED 3 VALVE MANIFOLD

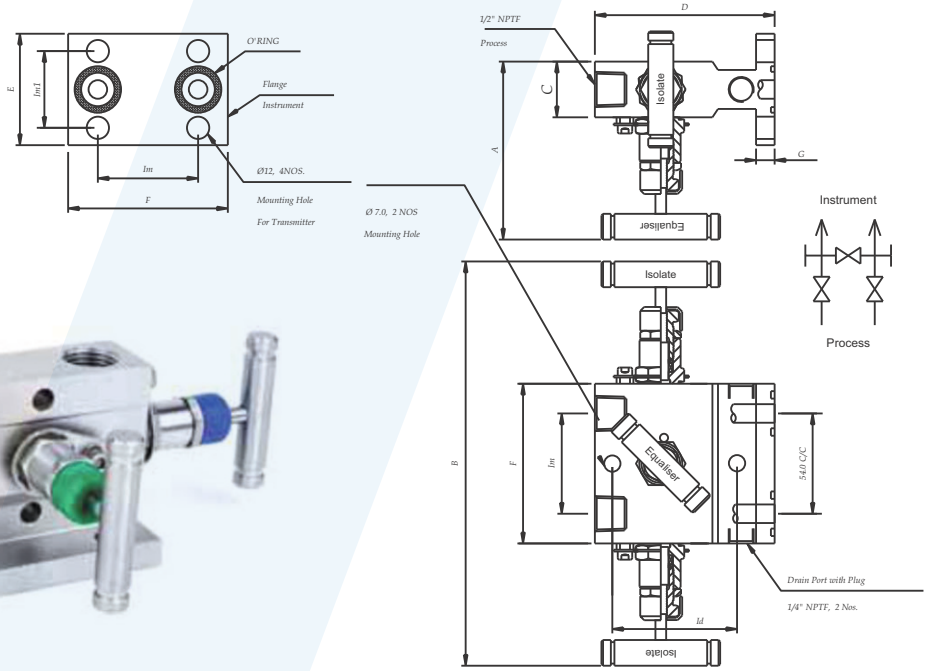
Pipe to Pipe design, Seperately Mounted 3 Valve Manifold. This Valve has got ½"NPT Female connections at a center distance of 54mm. It has got one Equalise Valve and 2 Isolate Valves. This does not have Drain port.



Part No.	Connections			A	B	C	D	E	Im	Id	Id1
	Process	Instrument	Drain								
FVM-3WC-8FF	1/2"NPTF	1/2"NPTF	NO DRAIN	139	168	32	142	76	30	54	110

DIRECTLY MOUNTED 3 VALVE MANIFOLD

Flange to Pipe design, Directly Mounted 3 Valve Manifold. This Valve has got ½"NPT female Connections at a centre distance of 54mm. It has got one equaliser valve and two Isolate Valve.



Part No.	Connections			A	B	C	D	E	F	G	Im	Im1	Id
	Process	Instrument	Drain										
FVM-3WT-8FF	1/2"NPTF	1/2"NPTF	NO DRAIN	94	214	28	86	60	72	10	54	45	54

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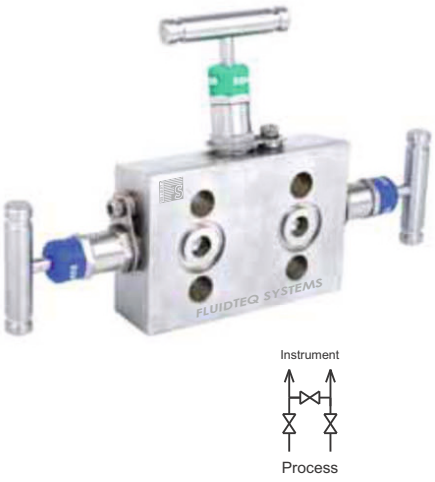
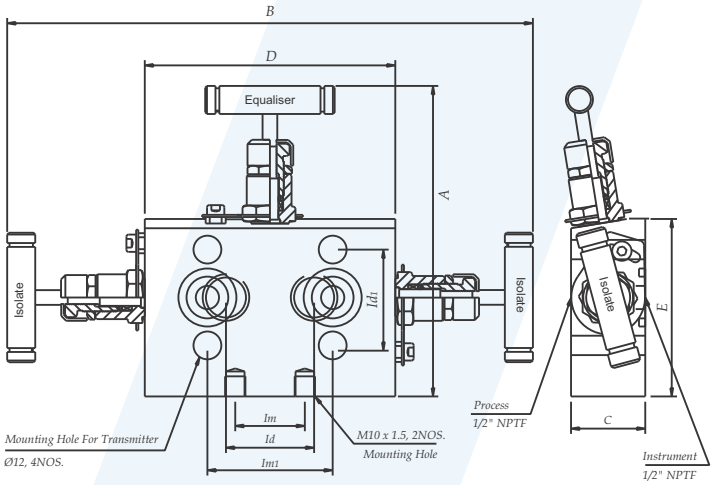
DIRECTLY MOUNTED 3 VALVE MANIFOLD

Flange to Pipe design, Directly Mounted 3 Valve Manifold. This Valve has got ½"NPT female Connections at a centre distance of 54mm. It has got one equaliser valve and two Isolate Valve.

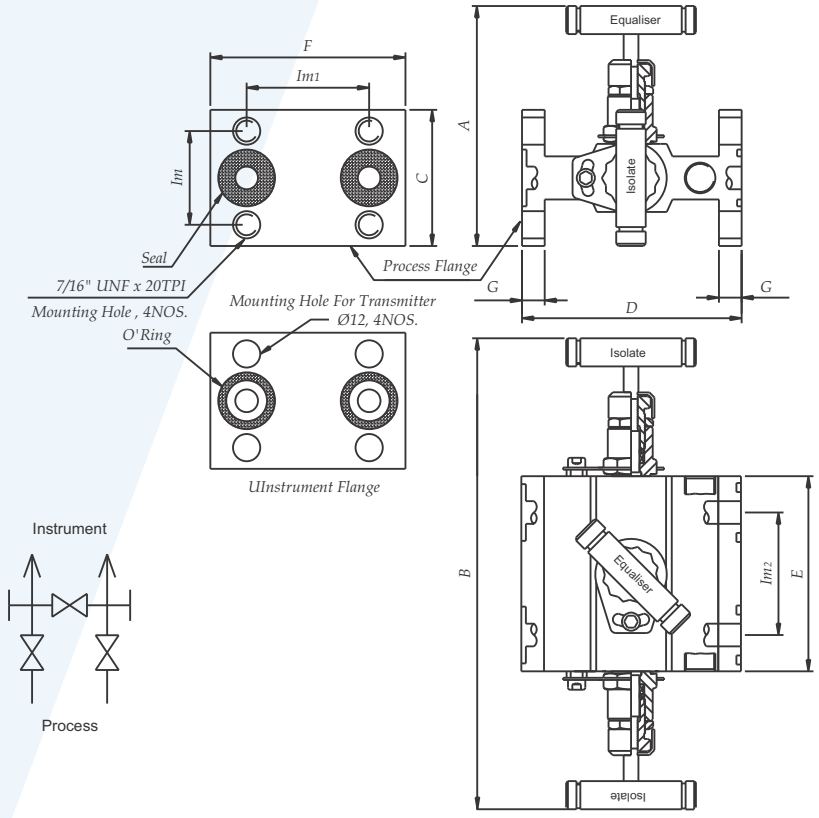




Part No.	Connections			A	B	C	D	E	Im	Im1	Id	Id1
	Process	Instrument	Drain									
FVM-3WC-8F	1/2"NPTF	FLANGE	1/4"NPTF	126	234	33	108	76	30	54	38	42

DIRECTLY MOUNTED 3 VALVE MANIFOLD

Flange to Pipe design, Directly Mounted 3 Valve Manifold. This Valve has got Process Connections at a centre distance of 54mm. It has got one equaliser valve and two Isolate Valve.



Part No.	Connections			A	B	C	D	E	F	G	Im	Im1	Im2
	Process	Instrument	Drain										
FVM-3WHD	FLANGES	FLANGES	1/4"NPTF	109	214	60	92	88	88	10	43	54	51

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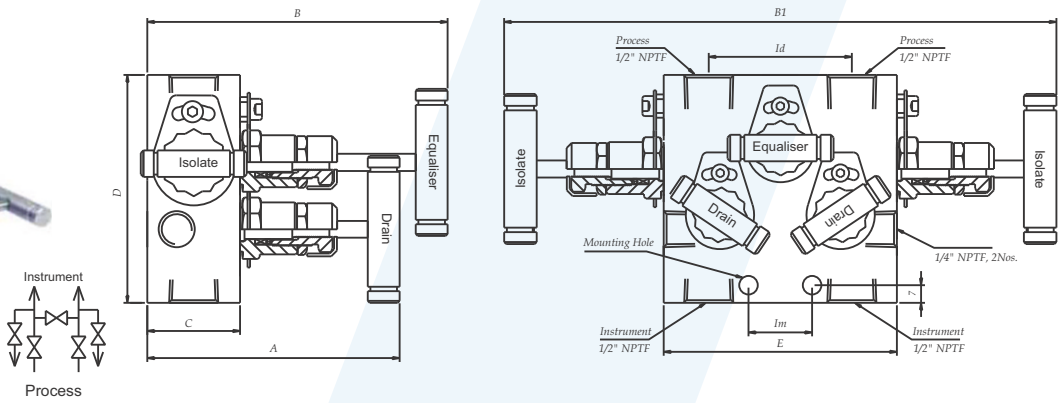
5 VALVE MANIFOLD

SEPERATELY MOUNTED 5 VALVE MANIFOLD

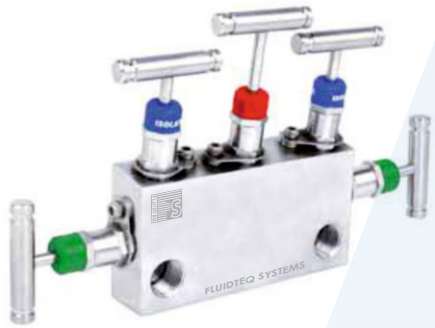
Pipe to Pipe design, Seperately Mounted 5 Valve Manifold. This Valve has got ½"NPT female Connections at a centre distance of 54mm. It has got one equaliser valve and two Isolate Valve & two Drain Valve.

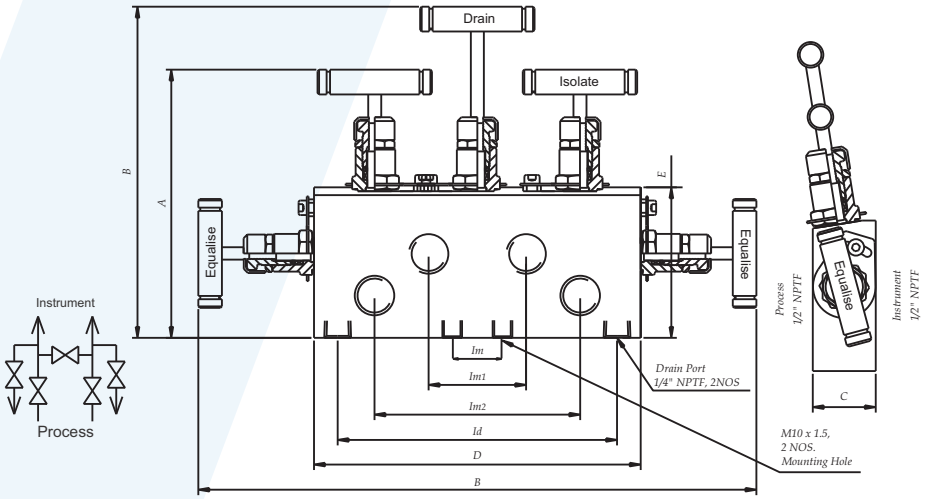


Part No.	Connections			A	B	B1	C	D	E	Im	Id
	Process	Instrument	Drain								
FVM-5WA-8FF	1/2"NPTF	1/2"NPTF	1/4"NPTF	95	111	214	32	88	88	20	54

SEPERATELY MOUNTED 5 VALVE MANIFOLD

Pipe to Pipe design, Seperately Mounted 5 Valve Manifold. This Valve has got ½"NPT female Connections at a centre distance of 54mm. It has got one equaliser valve and two Isolate Valve & two Drain Valve.

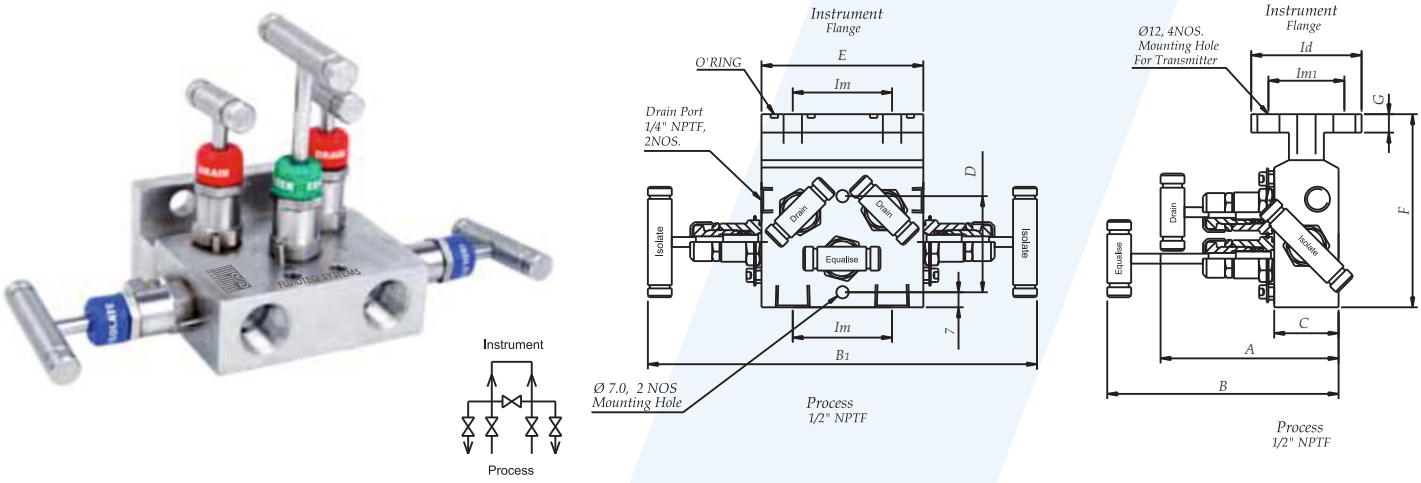




Part No.	Connections			A	B	B1	C	D	E	Im	Im1	Im2	Id
	Process	Instrument	Drain										
FVM-5WB-8FF	1/2"NPTF	1/2"NPTF	1/4"NPTF	140	169	288	32	162	76	30	54	142	142

DIRECTLY MOUNTED 5 VALVE MANIFOLD

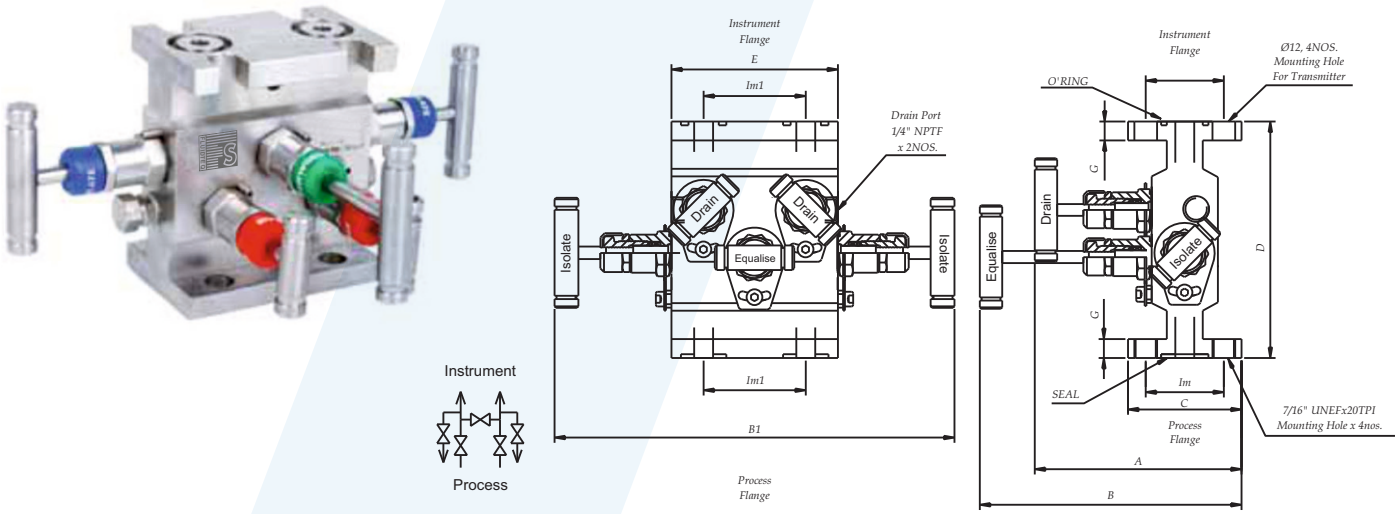
Pipe to Flange design, Directly Mounted 5 Valve Manifold. This Valve has got ½"NPT female Connections at a centre distance of 54mm. It has got one equaliser valve and two Isolate Valve & two Drain Valve.



Part No.	Connections			A	B	B1	C	D	E	F	G	Im	Im1	Id
	Process	Instrument	Drain											
FVM-5WTA-8F	1/2"NPTF	FLANGE	1/4"NPTF	95	124	214	32	60	92	90	10	54	41.3	60

DIRECTLY MOUNTED 5 VALVE MANIFOLD

Flange to Flange design, Directly Mounted 5 Valve Manifold. This Valve has got ½"NPT female Connections at a centre distance of 54mm. It has got one equaliser valve and two Isolate Valve & two Drain Valve.



Part No.	Connections			A	B	B1	C	D	E	G	Im	Im1
	Process	Instrument	Drain									
FVM-5WHB	FLANGE	FLANGE	1/4"NPTF	109	138	214	60	125	88	10	41.3	54

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CHECK VALVE

FLUIDTEQ SYSTEMS CHECK VALVE are designed with high integrity leak rates & resealing capabilities for unidirectional flow of fluids & gases in Chemical, Processing, Oil & Gas production & transmission, Pharmaceutical, Power & Utilities.

KEY FEATURES:

- Blow out resistant seat design.
- Back stopped poppet minimizes back stress.
- Port connection from 1/8" to 1" include Male & Female NPT / BSPP / BSPT, BAX-LOK compression end.
- Cracking pressure include 0.02 Bar to 1.2 Bar.
- Pressure Rating: 1/8" to ½" –3000 Psi, ¾" to 1" –1500 Psi.

SYPHONS

Syphons are designed and as per DIN 16 282. The main application of Syphons is to protect the Instrument from rapid pressure surges and Hot pressure Media. It also acts as a cooling element for various liquids, Gases and Vapours. Trumpet from is used in Vertical Pressure Tapping and the U-Form Syphons are used in Horizontal Pressure tapings.

FEATURES

Available in U-Form and Trumpet Form.

Working Pressure up to 6000 psi.

Maximum Temperature rating – 400 °C.

100% Factory Tested.

SIZE DESIGNATOR

Size	Desig.
1/4"	4
1/2"	8
3/4"	12
1"	16

CONDENSATE POTS

FLUDTEQ SYSTEM Seal pots/condensate chambers are available in stainless steel to ASTM A 312 piping code, carbon steel to ASTM A106 with zinga coating which is equivalent to HD Galvanizing, P22 and other alloy steel fabricated from seamless pipe with inside cleaned and checked to assure equal volume. Standard pipe sizes are 3" to 6" & connection fitting are NPT or welded socket adaptors. The half coupling pipe connections are welded inside and out at 90 degrees with jigs to provide proper alignment, ease the task of installing and assure safety.

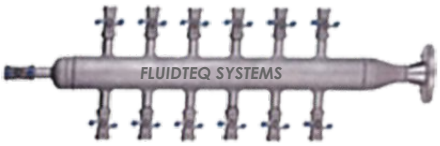
Chambers are 100% hydrostatically & Pneumatically tested along with periodic X-ray test on welds. ISO and ISA standards are typically followed unless otherwise specified. Typical Industries applications include: Refineries, Power Plants, Chemical & Petrochemical, Steel Plants and other Process industries. Installation can be either vertical or horizontal lines between the primary (Flow Meter) and the secondary (transmitter / gauge) to act as barrier to the line fluid permitting direct sensation of the flow conditions. Units should be mounted at same level minimizing possible error that could arise due to unequal head of fluid in the connecting pressure lines. To obtain a quote, following information would be required: Pipe size, Pipe schedule, MOC, Style (Location and number of taps), and Quality.

AIR HEADERS

Air Headers / Distribution manifolds provide customers with many configurations for isolation manifolds. FLUIDTEQ SYSTEM fabricate manifolds specifically to suit the customer's exact requirements.

Note: FLUIDTEQ SYSTEM can provide special surface like Electro polished for Stainless Steel & Hot Dipped Galvanizing, Epoxy or Zinga coating for A 106 Gr. B. Other finishes as per Your requirement can also be offered.

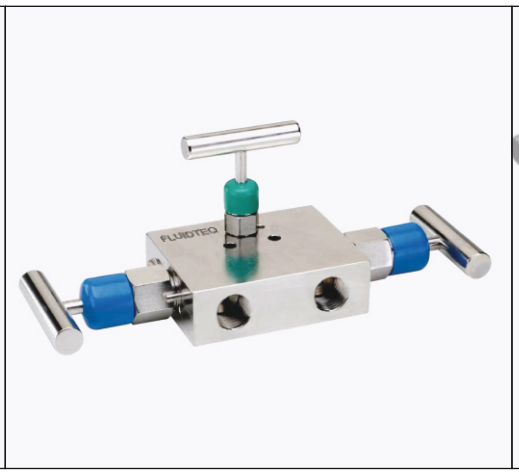
Air Header are 100% Hydrostatically & Pneumatically tested along with Periodic X-ray test on welds. ISO and ISA standards are typically followed unless otherwise specified

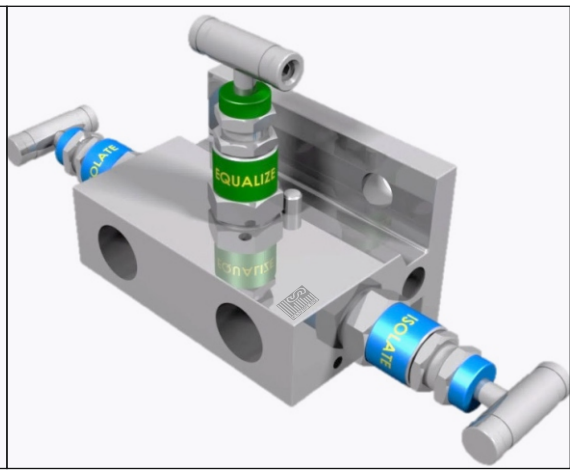


STANDARD TECHNICAL SPECIFICATION

Inlet	DIN & ANSI ½" to 1" NB Flanged / Threaded Connections
Main Pipe	1" , 1-1/2" , 2" NB SCH 40/80.
Outlet Pipe	6way / 8way / 12way / 16way (Staggering or Straight, sided).
Port Size	¼" to ½" NB SCH 40?80 Nipple TOE.
Valves	Fitted on outlet ports ¼" to ½" SS or brass or A 105 Needle Valves / SS Ball Valve (Full or Reduced Bore).
Drain	½" SCH 40?80 Nipple TOE fitted With SS ball valve & Drain Plug.
Pressure	Hydro test: 1000 psi. and pneumatic Test: 150 Psi.
M.O.C	Pipes will be from Seamless ASTM A 312 TP/316 & ASTM A 106 GR.B.
Mounting	Wall or Rack Mounting or 'U' clamps.

Apart from above standard technical specification, FLUIDTEQ SYSTEM can provide any size, design & end connections as per your requirement for inlet, outlets & drain





FLUIDTEQ SYSTEMS

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