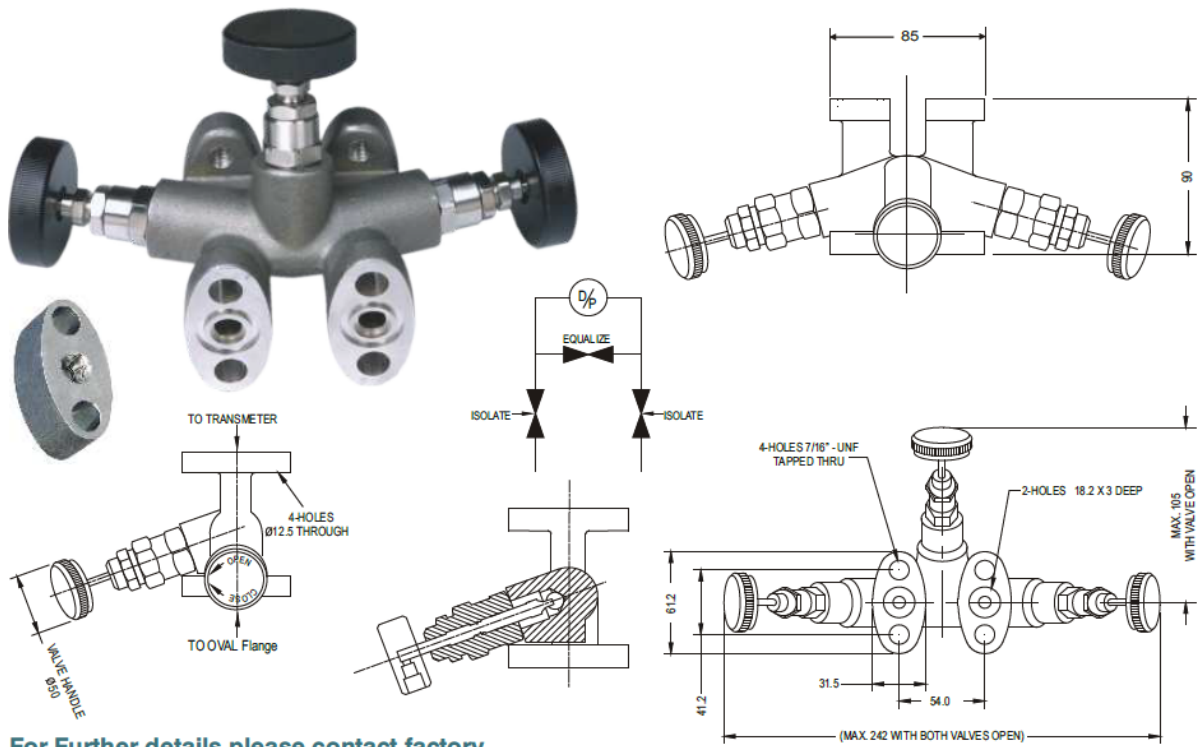


### 3VCN

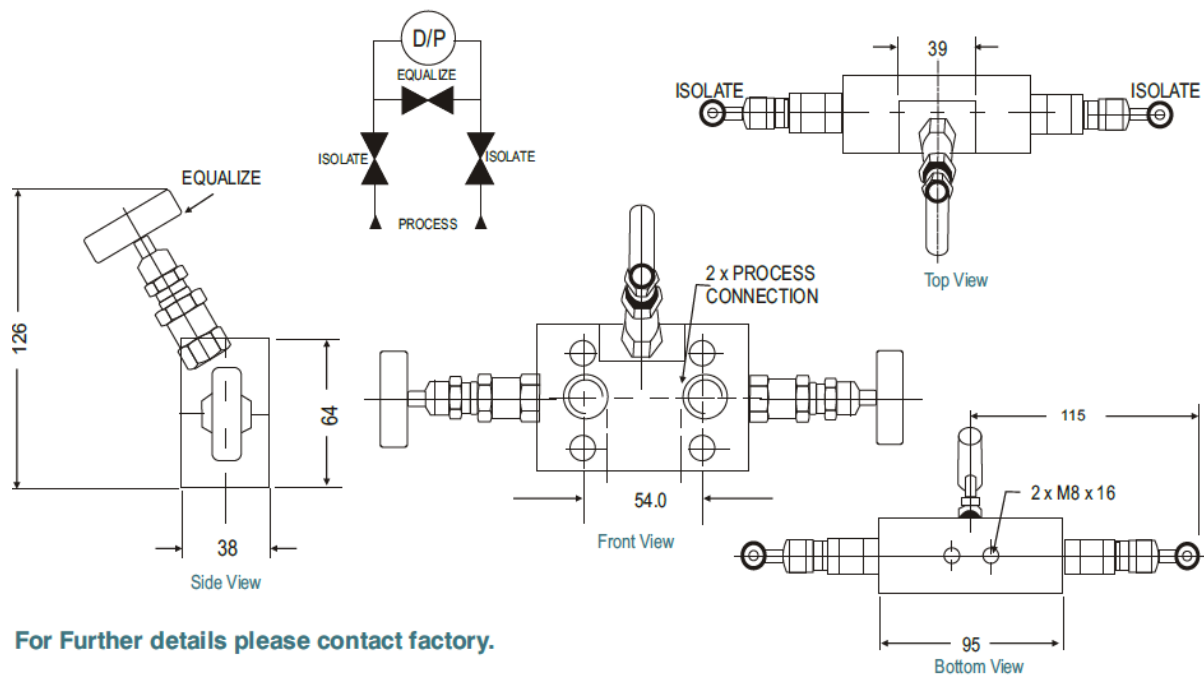
**Special** Three valve manifold with body made of casting. The standard Series of SS 316 material withstands a pressure of 6000 psi and is used for isolation and equalizing. Connection : Special [oval Flange] Accessory provided : Kidney Flange for mounting



For Further details please contact factory.

### 3VB

**Special** design three valve manifold similar to our Series 3VA except provided with two horizontal port process inlets Flange to fit DIN 19213 and two instrument Flange outlets on the back side. Isolating bonnets at the left and right side, equalizing bonnet angular on top. No vent/test connection and no venting bonnet.



For Further details please contact factory.

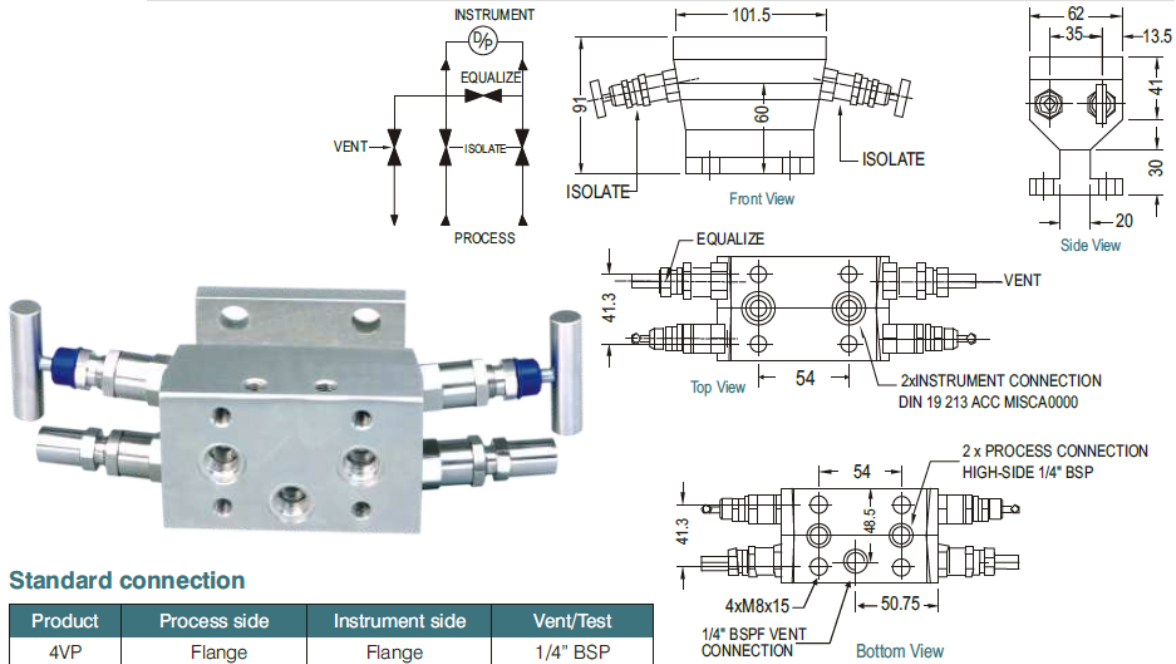
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## FOUR VALVE MANIFOLDS

### 4VP

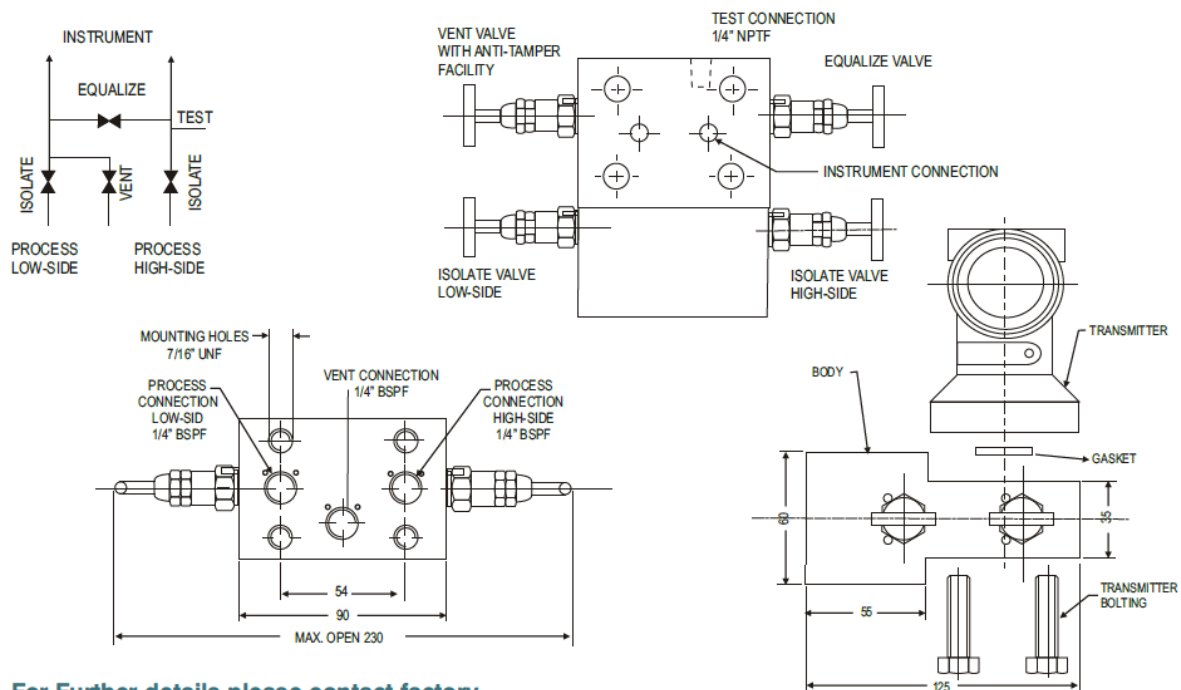
A compact four valve manifold to accommodate any full DIN 19213 interface complaint pressure transmitter-two inlets BSP/NPT female and 2 outlets Flange to fit DIN 19213; vent/test on front side, equalizing bonnet at right side; isolating bonnets at left and right side and venting bonnet at left side.



For Further details please contact factory.

### 4VRR

Four valve compact manifold especially designed to suit FR 3051 CD differential transmitters mounted integral on the manifold-2 inlets BSP/NPT female and 2 outlets Flange to fit FR 3051 CD- vent/test connection on front-equalizing bonnet at right side. 2 isolating bonnets at left and right-venting bonnet at left.



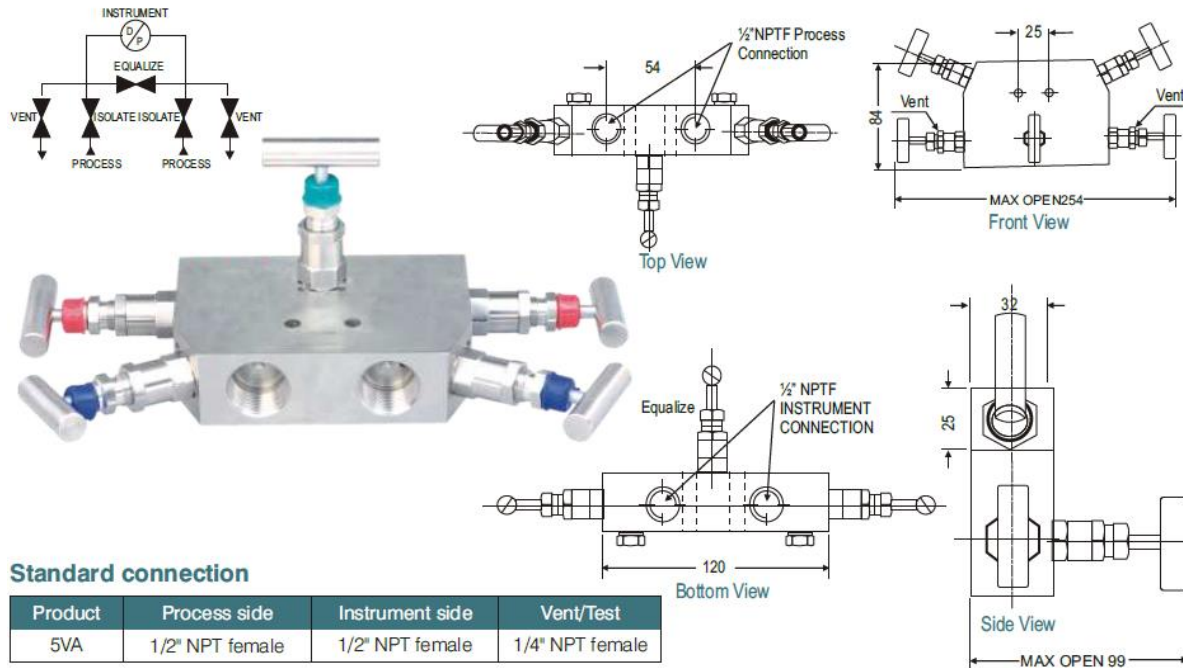
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## FIVE VALVE MANIFOLDS

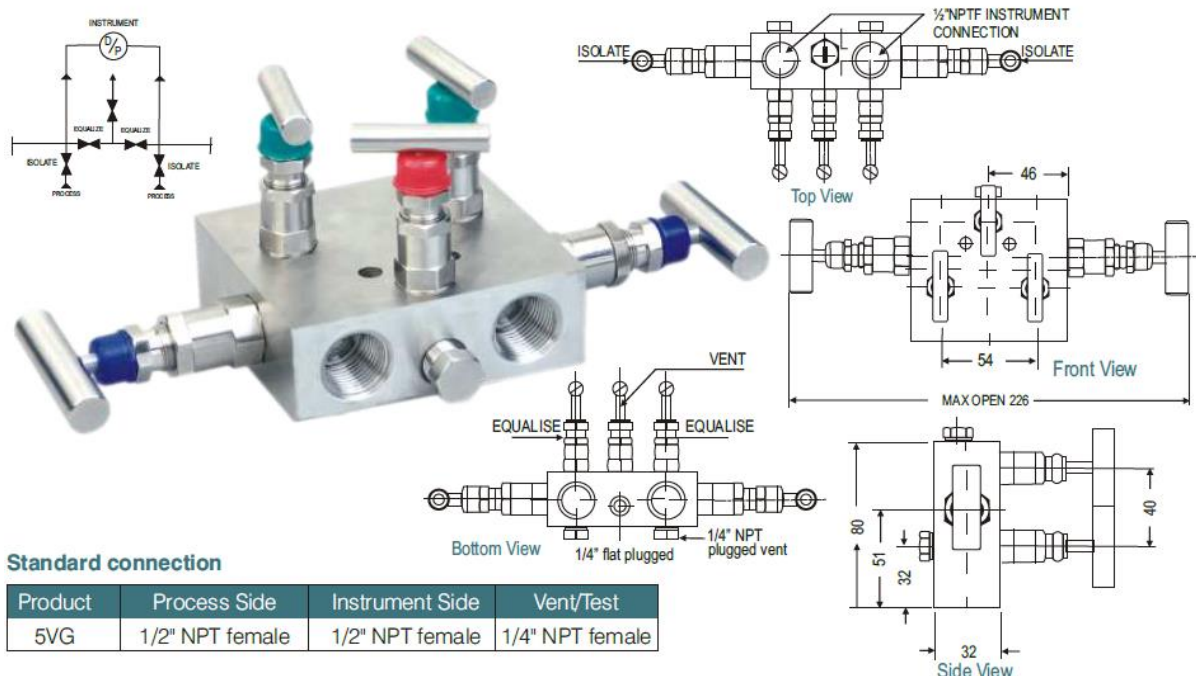
### 5VA

With threaded vertical port inlets and outlets. The isolating and venting bonnets are positioned on the left and right hand side and the equalizing bonnet is positioned on the front side. Designed for remote mounting.



### 5VG

With threaded vertical port inlets and outlets. The vent/test ports are positioned on the bottom and top of the body. The isolating bonnets are positioned on the left and right hand side and the venting and equalizing bonnets are positioned on the front side. Specially designed for remote mounting to field meters, differential transmitters and chart recorders on gas service allowing fail safe configuration preventing pressure loss from the high to low pressure impulse lines.



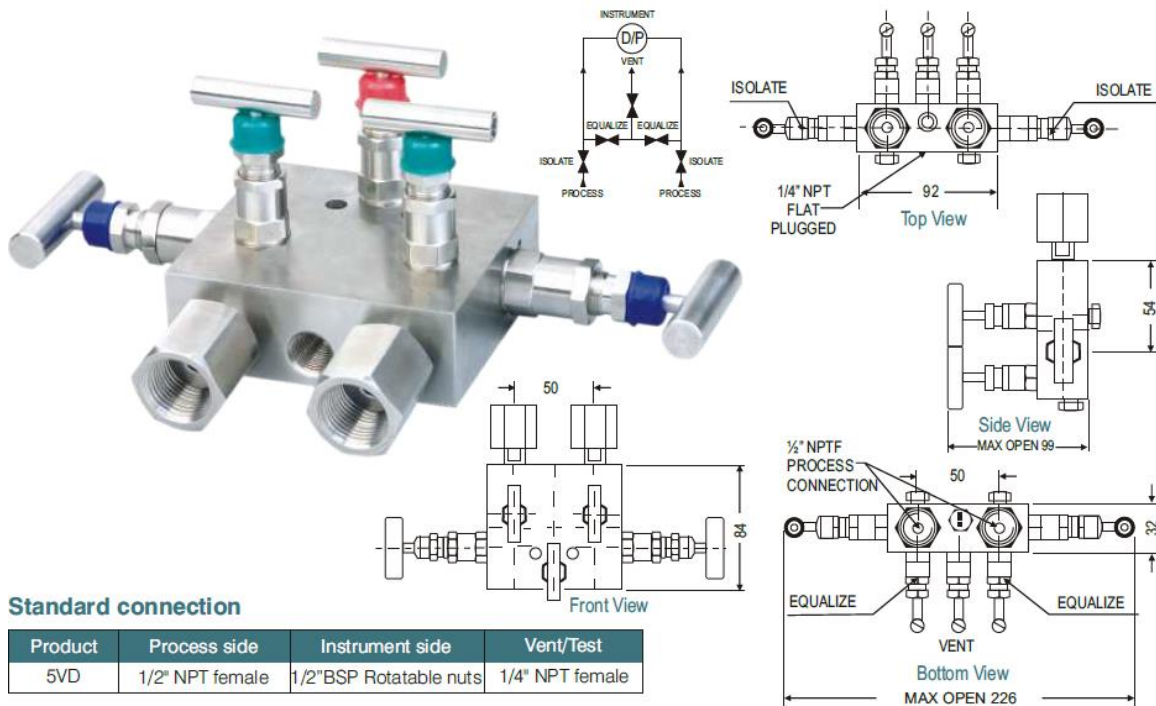
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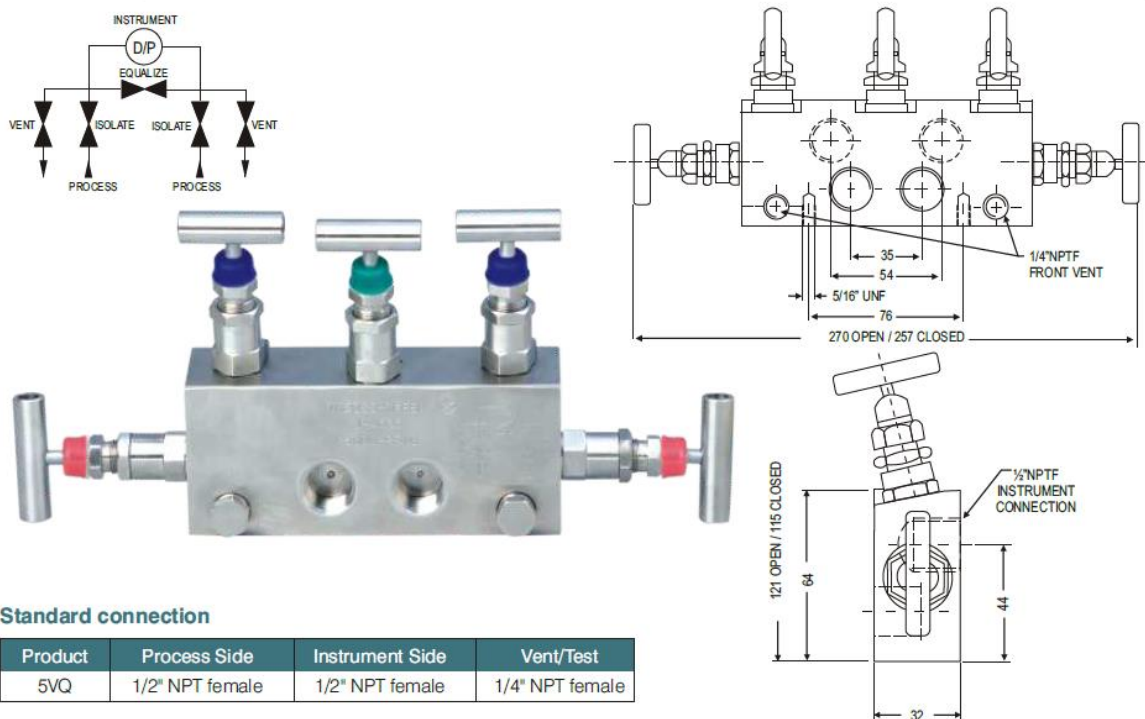
## 5VD

Series for differential pressure gauges with 2 inlets NPT female at bottom and 2 outlets with rotating nuts on top side. **Also available in 54mm tap spacings Series - 5VD54.**



## 5VQ

Series designed for complete isolation of instruments-2 inlets NPT female at front, 2 outlets NPT female at back side. Vent/test connection at front, equalizing bonnets (2) angular top, isolating bonnets at left and right side, venting bonnet angular on top.



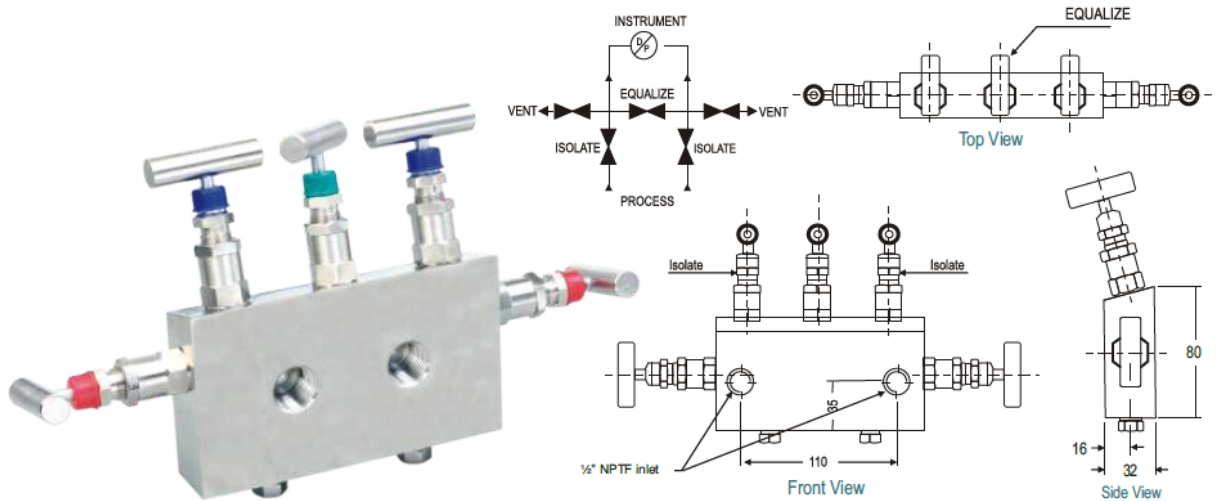
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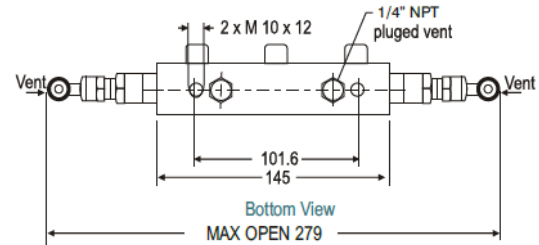
## 5VV

Model designed for complete isolation of instruments with NPT female inlets /outlets. Vent/test connection at bottom; equalizing bonnet angular on top-isolating bonnets angular on top venting bonnets at left and right side.



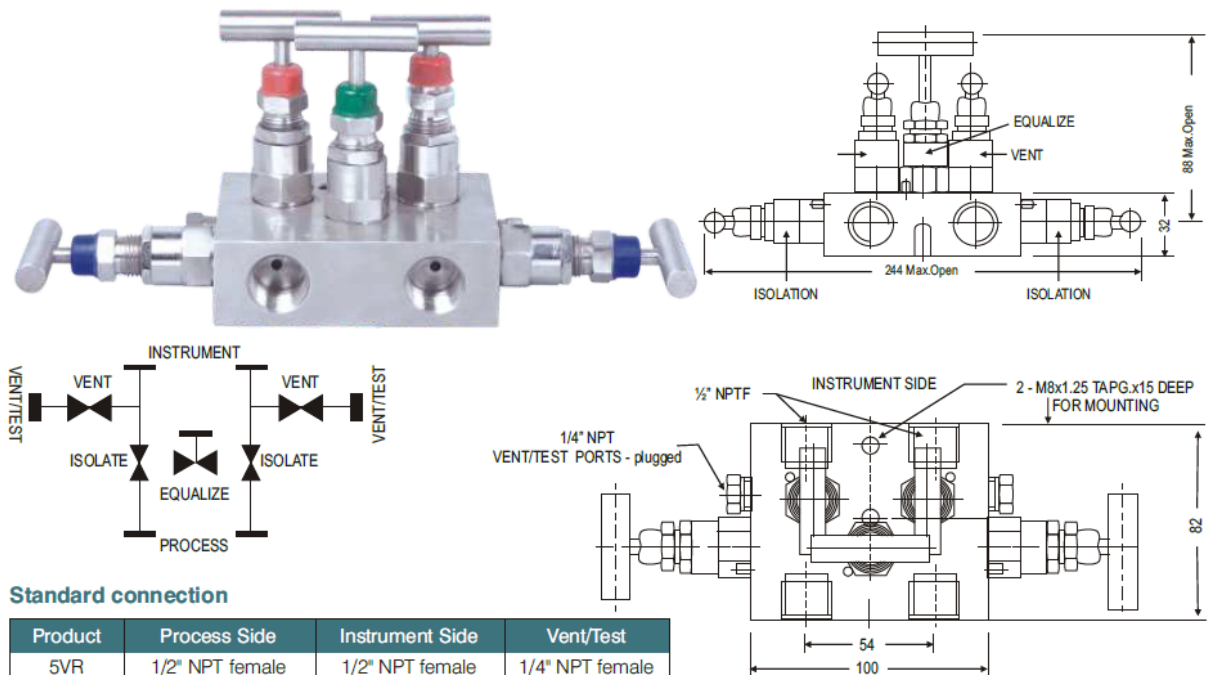
### Standard connection

Product	Process Side	Instrument Side	Vent/Test
5VV	1/2" NPT female	1/2" NPT female	1/4" NPT female



## 5VR

With threaded female ports on front side and back side for instrument and process connections. The two vent bonnets along with equalizing bonnet are positioned on the top side. The two isolation bonnets are positioned on left and right hand sides.



### Standard connection

Product	Process Side	Instrument Side	Vent/Test
5VR	1/2" NPT female	1/2" NPT female	1/4" NPT female

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### Standard version specifications of Series 5VA, 5VG, 5VD, 5VQ, 5VV, 5VR

Body	: SS 316
Stem	: SS 316
Valve assembly	: SS 316
T' bar handle	: SS 304
Maximum working pressure	: 6000 psi
Maximum working temperature	: 240°C
Packing	: PTFE (Grafoil for temperature above 240°C to 550°C)
Type of stem	: Type CT; Stem with conical metal tip
Drain port	: 1/4" NPT [F]; provided with SS 316 plug
Bracket mounting holes	: 2 Nos.
Hard Chrome plating	: Provided on stem tip.

### How to order : Valve Type - 5VA, 5VG, 5VD, 5VQ, 5VV, 5VR

Body Material	Stem Type	Stem Packing	Size = Inlet x Outlet	Connections	Threads
C = Carbon Steel	CT	P = PTFE	44 = 1/2" x 1/2" (std)	FF = Female x Female	N = NPT (ANSI B1.20.1)
S = SS 316	DS	G = Grafoil	24 = 1/4" x 1/4"	FR = Female x Female Rotating	P = BSPF (BS2779)
S4 = SS 304				SW = Socket weld	B = BSPT (BS21)
SL = SS 316L					
M = Monel 400					
H = Hastelloy C					

### Options

- GH : Material test certificate
- GO : Hydro test certificate
- IE : Circular plastic.
- TF : Sour gas service to NACE standard MR-01-75.
- SG : Oxygen service. (manifolds are supplied cleaned and degreased)
- DS : Valves with stem having soft conical and delrin tip rolled into the needle for gas service.
- MB : Mounting bracket
- MBC : Mounting bolts [7/16" UNF] in carbon steel
- MBS : Mounting bolts [7/16" UNF] in SS

### Example

To place an order simply refer to the codes in the table.

Valve Type	+	Body Material	+	Stem Type	+	Stem Packing	+	Size	+	Connections	+	Threads	+	Options
5VA	+	S	+	CT	+	P	+	44	+	FF	+	N	=	5VA-S-CT-P-44-FF-N-Options

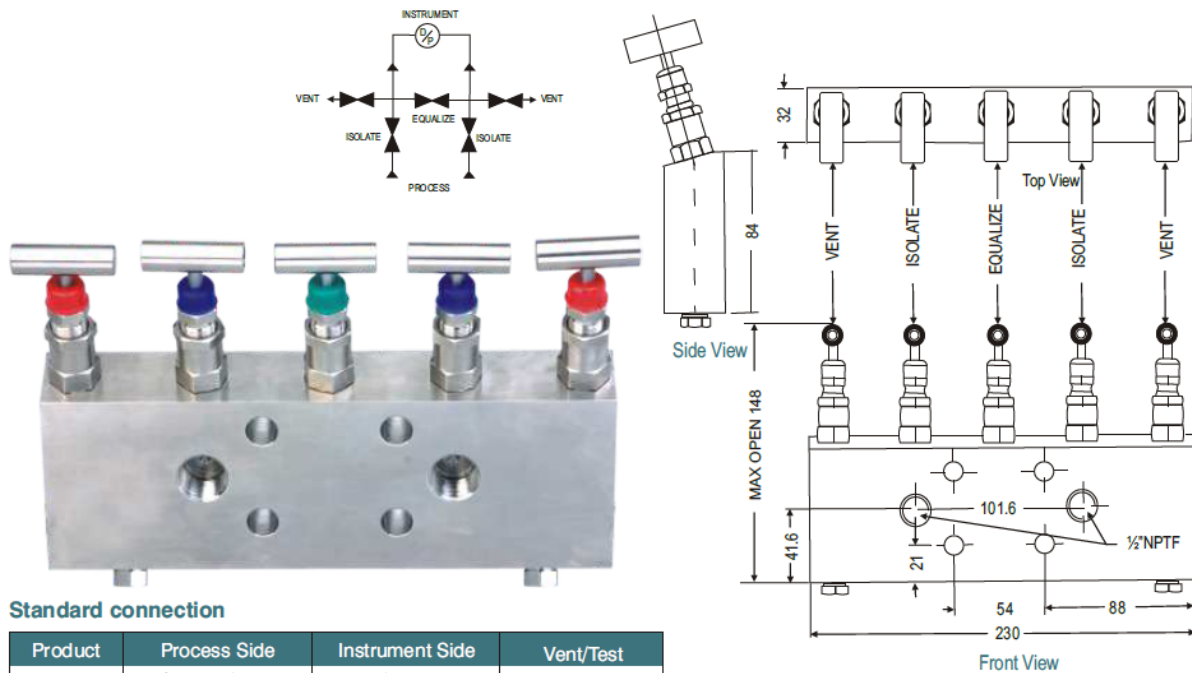
### NOTE:

- The weld prepared types are available with female plain end - suitable for socket weld.
- Anti-tamper bonnet - special design on request with locking arrangement if desired.

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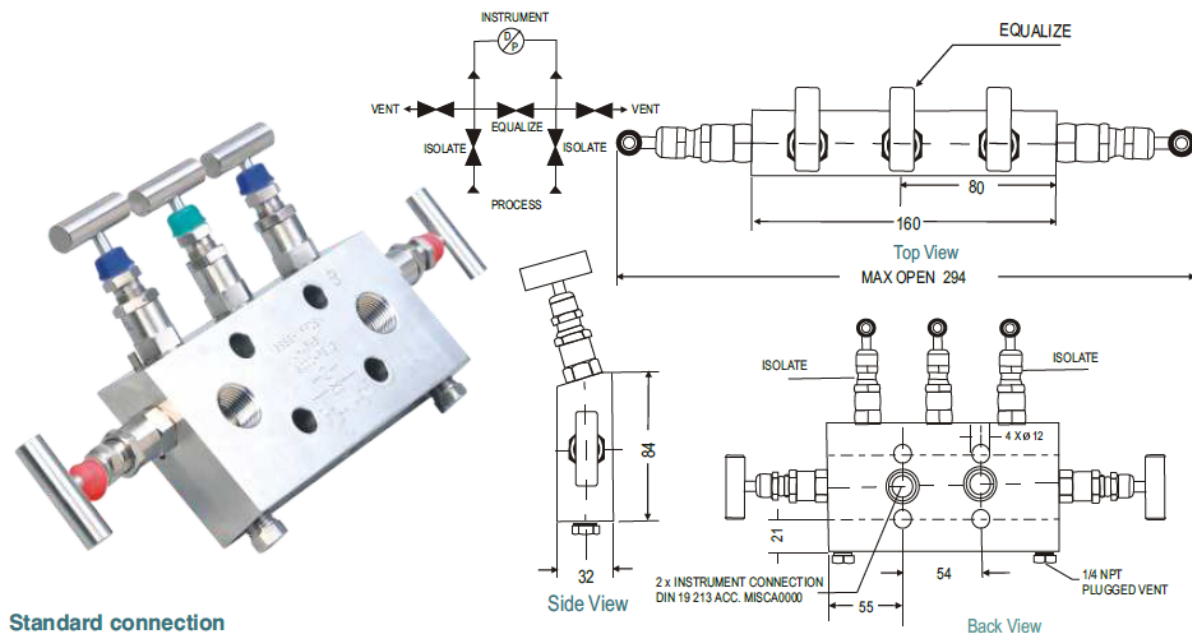
## 5VP

With threaded horizontal port inlets and Flange port outlets. Three vent/test connections are positioned on the bottom of the body. The isolating, venting and equalizing bonnets are angular positioned on the top designed direct mounting.



## 5VS

With threaded horizontal port inlets and Flange outlets. Two vent/test connections are positioned on the bottom of the body. The isolating and equalizing bonnets are angular positioned on the top side. The venting bonnets are positioned on the left & right hand side. Designed for direct mounting.



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## Standard version specifications of Series 5VP, 5VS

Body	: SS 316
Stem	: SS 316
Valve assembly	: SS 316
'T' bar handle	: SS 304
Maximum working pressure	: 6000 psi
Maximum working temperature	: 240°C
Packing	: PTFE (Grafoil for temperature above 240°C to 550°C)
Type of stem	: Type CT; Stem with conical metal tip
Drain port	: 1/4" NPT [F]; provided with SS 316 plug
Hard Chrome plating	: Provided on stem tip.

## How to order : Valve Type - 5VP, 5VS

Body Material	Stem Type	Stem Packing	Size = Inlet x Outlet	Connections	Threads
C = Carbon Steel	CT (std)	P = PTFE (std)	2F = 1/4" x Flange	FD = Female x Flange (54mm)	N = NPT (ANSI B1.20.1)
S = SS 316 (std)	DS	G = Grafoil	4F = 1/2" x Flange	SW = Socket Weld	P = BSPP (BS2779)
S4 = SS 304					B = BSPT (BS21)
SL = SS 316L					
M = Monel 400					
H = Hastelloy C					

## Options

- GH : Material test certificate
- GO : Hydro test certificate
- MBC : Mounting bolts available [7/16" UNF] in carbon steel
- MBS : Mounting bolts available [7/16" UNF] in SS
- IE : Circular plastic.
- TF : Sour gas service to NACE standard MR-01-75.
- SG : Oxygen service. (manifolds are supplied cleaned and degreased)
- DS : Valves with stem having soft conical and delrin tip rolled into the needle for gas service.
- MB : Mounting bracket

## Example

To place an order simply refer to the codes in the table.

Valve Type	+	Body Material	+	Stem Type	+	Stem Packing	+	Size	+	Connections	+	Threads	+	Options
5VP	+	S	+	CT	+	P	+	4F	+	FD	+	N	=	5VP-S-CT-P-4F-FD-N-Options

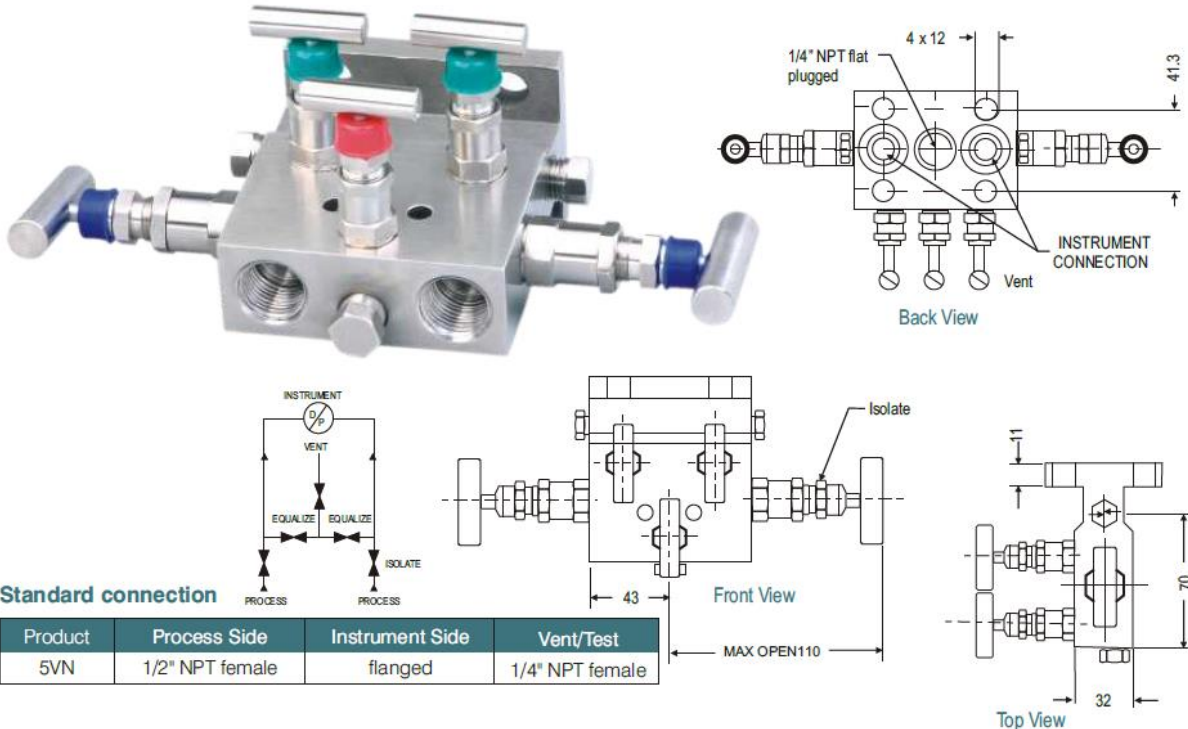
## NOTE:

- The weld prepared types are available with female plain end - suitable for socket weld.
- Anti-tamper bonnet - special design on request with locking arrangement if desired.

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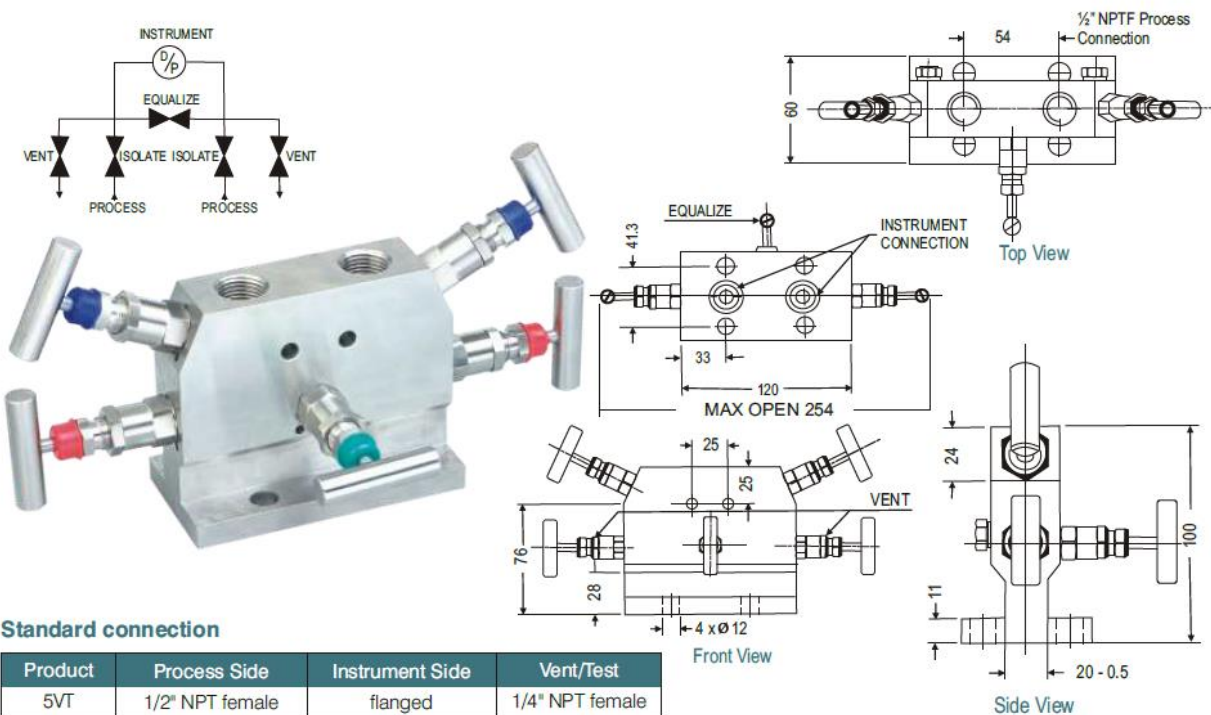
## 5VN

**Five Valve Manifold Special Series** to accommodate any half DIN 19213 interface complaint pressure transmitter. 2 inlets NPT female at front and 2 outlets Flange at back side DIN 19213. Vent/test connection at front, equalizing bonnets at top side, isolating bonnets at left and right side-venting bonnet at top.



## 5VT

With threaded horizontal port inlets and Flange port outlets. The vent/test ports are positioned on the bottom side. The isolating and venting bonnets are positioned on the left and right hand side and the equalizing bonnet is positioned on the top side. Designed for direct mounting.

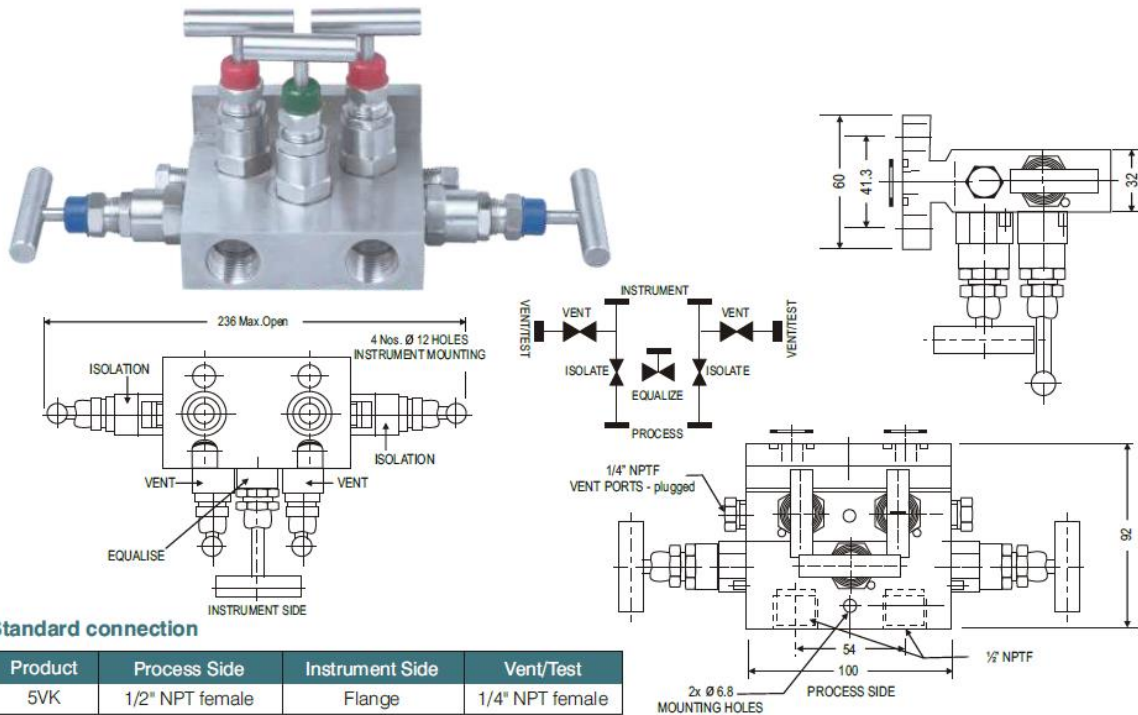


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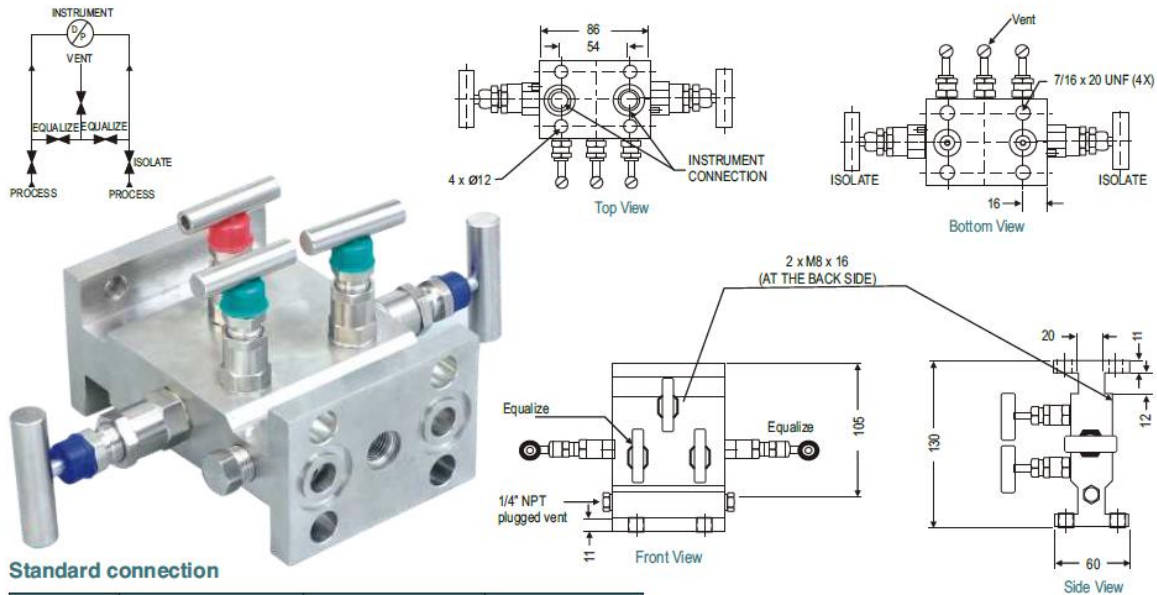
## 5VK

With threaded female ports on front side for instrument connection along with extended Flange for process connection. The two vent bonnets along with equalizing bonnet is positioned on the top side. The two isolation bonnets are positioned on left and right hand sides.



## 5VH

With Flange horizontal port inlets and Flange port outlets. The vent/test ports are positioned on the bottom side. The isolating and venting bonnets are positioned on the left and right hand side and the equalizing bonnet is positioned on the top side. Designed for direct mounting.



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## Standard version specifications of Series 5VN, 5VT, 5VK, 5VH

Body	: SS 316
Stem	: SS 316
Valve assembly	: SS 316
T' bar handle	: SS 304
Maximum working pressure	: 6000 psi
Maximum working temperature	: 240°C
Packing	: PTFE (Grafoil for temperature above 240°C to 550°C)
Type of stem	: Type CT; Stem with conical metal tip
Drain port	: 1/4" NPT [F]; provided with SS 316 plug
Hard Chrome plating	: Provided on stem tip.

## How to order : Valve Type - 5VN, 5VT, 5VK, 5VH

Body Material	Stem Type	Stem Packing	Size = Inlet x Outlet	Connections	Threads
C = Carbon Steel	CT (std)	P = PTFE (std)	4F = 1/2" x Flange	FD = Female x Flange (54mm)	N = NPT (ANSI B1.20.1)
S = SS 316 (std)	DS	G = Grafoil	FF = Flange x Flange	DD = Flange x Flange	P = BSPP (BS2779)
S4 = SS 304			2F = 1/4" x Flange	SW = Socket Weld	B = BSPT (BS21)
SL = SS 316L					
M = Monel 400					
H = Hastelloy C					

## Options

- GH : Material test certificate
- GO : Hydro test certificate
- MBC : Mounting bolts available [7/16" UNF] in carbon steel
- MBS : Mounting bolts available [7/16" UNF] in SS
- IE : Circular plastic.
- TF : Sour gas service to NACE standard MR-01-75.
- SG : Oxygen service. (manifolds are supplied cleaned and degreased)
- DS : Valves with stem having soft conical and delrin tip rolled into the needle for gas service.
- MB : Mounting bracket

## Example

To place an order simply refer to the codes in the table.

Valve Type + Body Material + Stem Type + Stem Packing + Size + Connections + Threads + Options

5VN + S + CT + P + 4F + FD + N = 5VN-S-CT-P-4F-FD-N-Options

## NOTE:

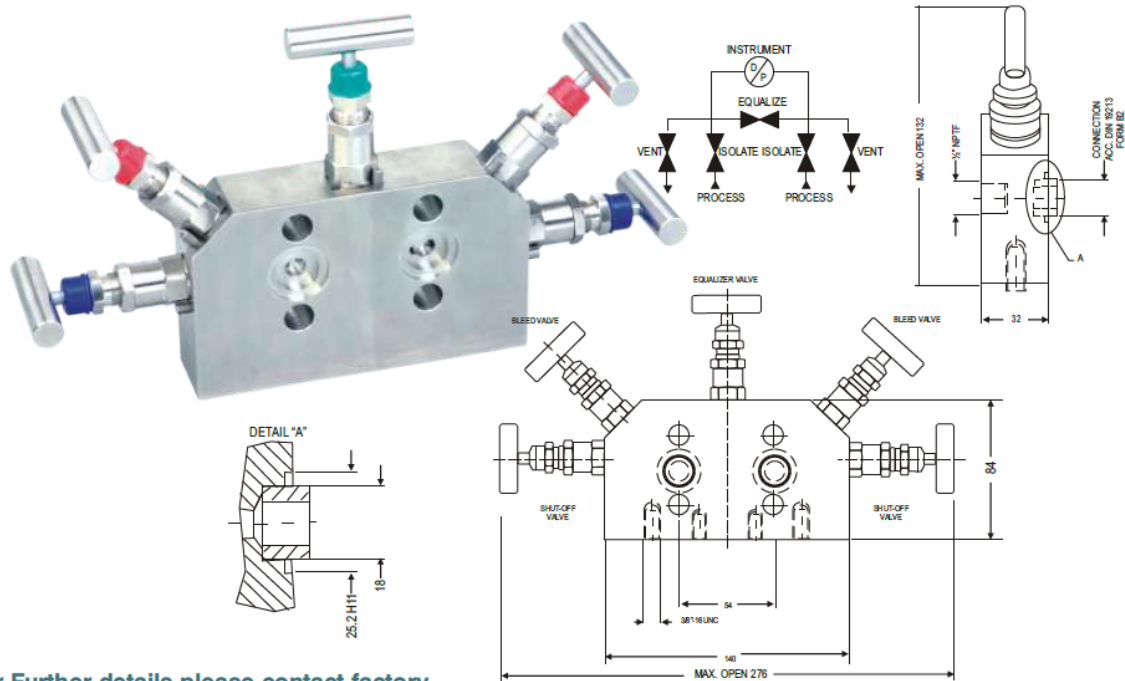
- The weld prepared types are available with female plain end - suitable for socket weld.
- Anti-tamper bonnet - special design on request with locking arrangement if desired.

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## 5V45

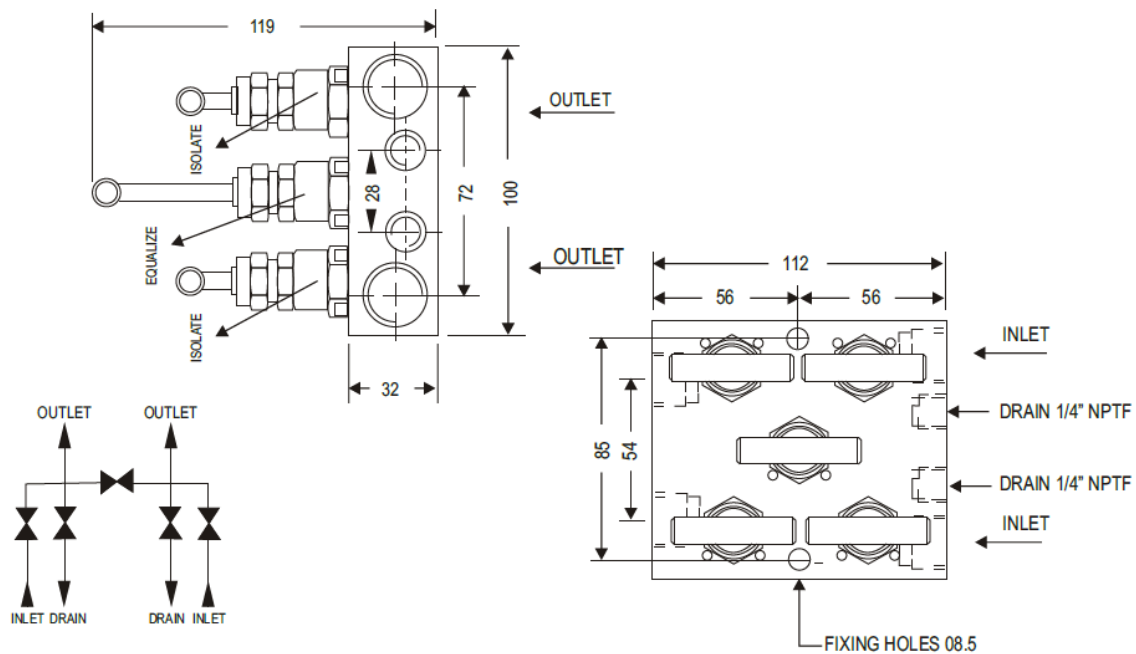
**Special Five Valve Manifold** designed to suit FR 3051 transmitters - inlet NPT female at front - outlet Flange to DIN 19213 at back side - vent/test connection at back, equalizing bonnet on top; isolating bonnets at left and right hand side; venting bonnets angular at left and right side.



For Further details please contact factory.

## 5VZ

**Special Five Valve Manifold** with threaded inlet and outlet ports. The isolating, equalizing and vent bonnets are all positioned on top.



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