

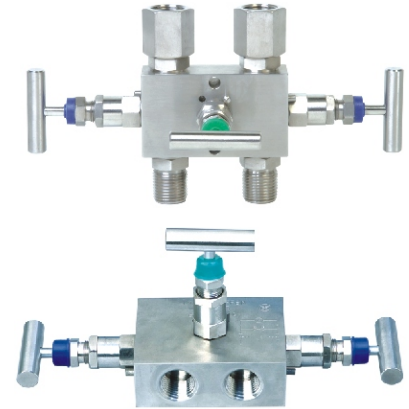
FEATURES

- 2 isolate & 1 vent valves (plugged vent provided)

APPLICATION

- Isolation & venting of gauges, switches & transmitters
- High pressure line shut off
- Liquid & gas services

Direct / Remote Mounting

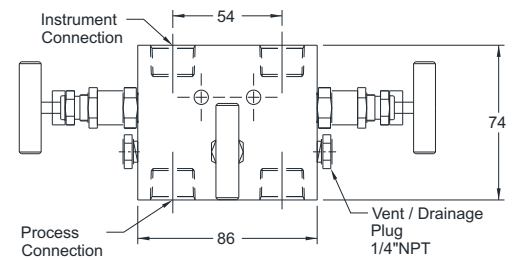


STANDARD SPECIFICATIONS

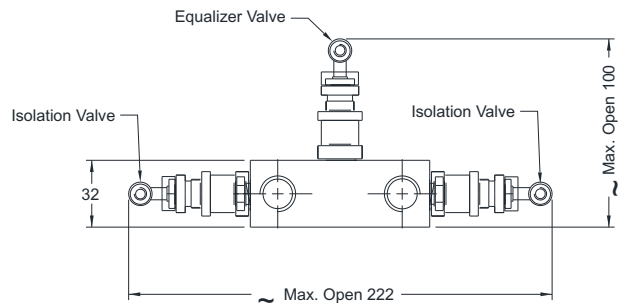
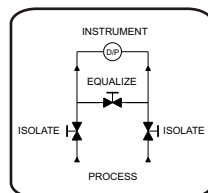
Mounting	: Direct
Pattern	: 1
Wetted parts	: AISI 316 SS
Instrument connection	: 1/2" NPT (F) x 2 Nos. / 1/2" BSP (F) x 2 Nos.
Stem packing	: PTFE
Process connection	: 1/2" NPT (F) x 2 Nos. / 1/2" BSP (F) x 2 Nos.
Stem	: Conical metal tip
Max. working pressure	: 413.7 bar (6000 psi)
Max. working temperature	: 240°C
"T" bar handle	: AISI 304 SS
Drain port	: 1/4" NPT (F) x 2 Nos, plugged

DIMENSIONAL DRAWING

Remote mount - Pattern 1



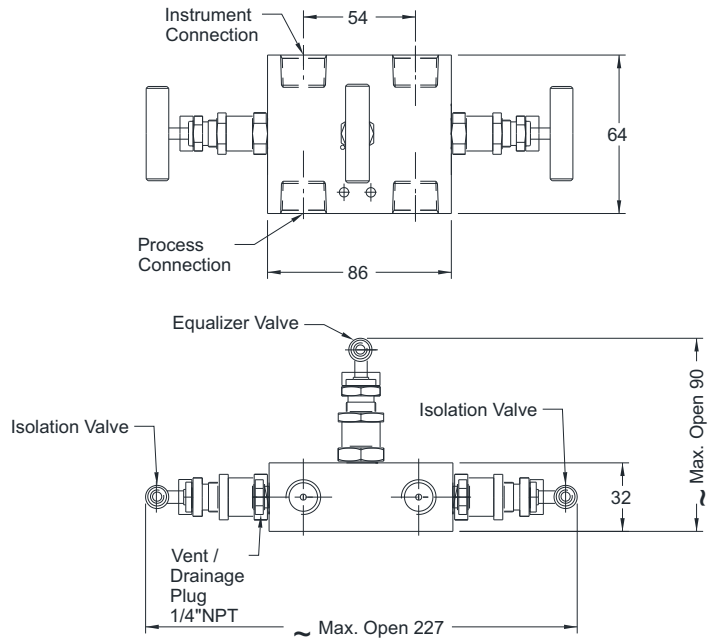
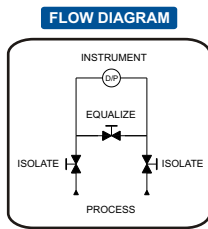
FLOW DIAGRAM



All dimensions are in mm.

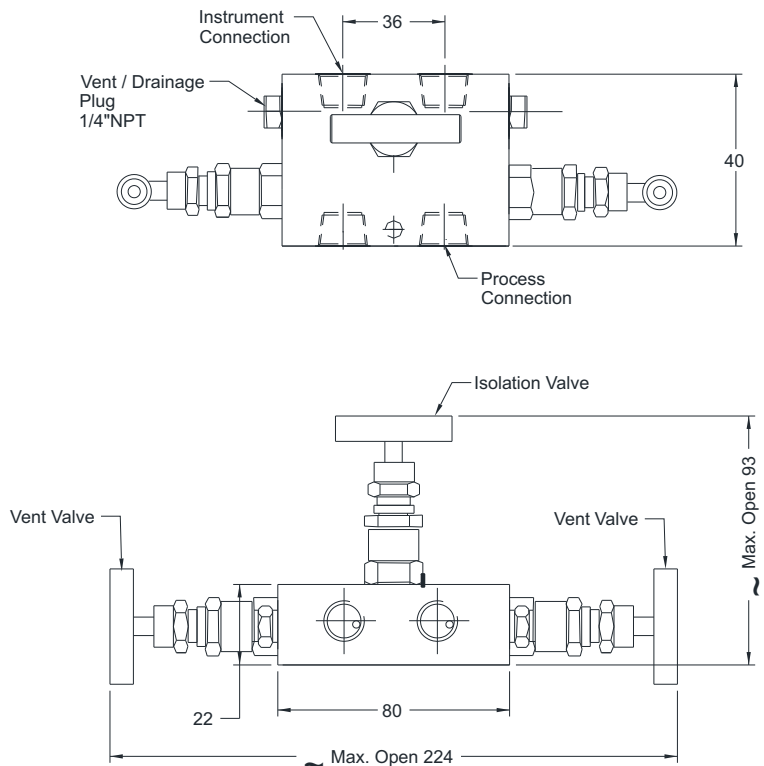
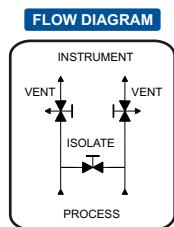
DIMENSIONAL DRAWING

Remote mount - Pattern 2



Note : The model comes without drain plugs.

Remote mount - Pattern 3

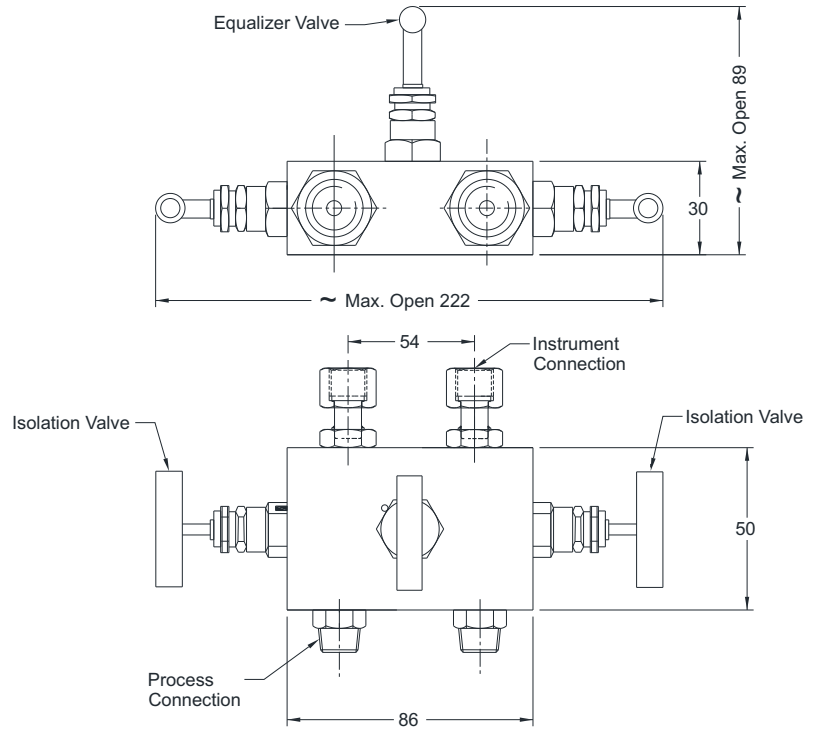
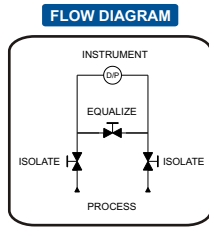


Note : Available as 1/4" NPT (F x F) connection only.

All dimensions are in mm.

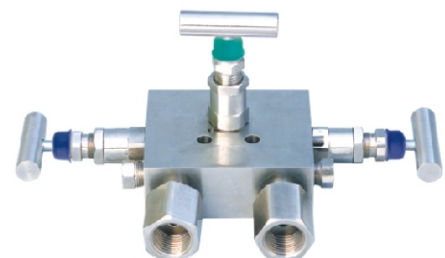
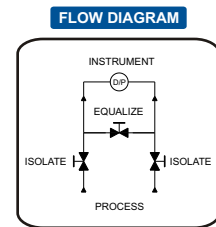
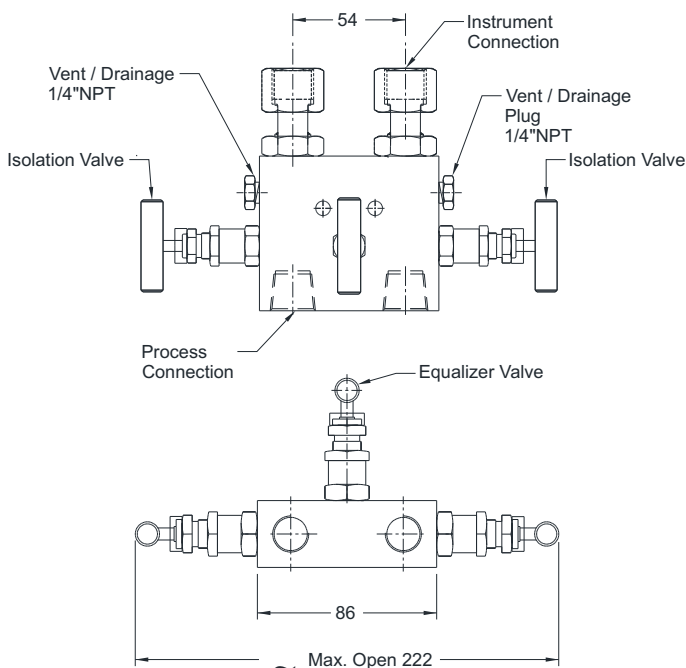
DIMENSIONAL DRAWING

Remote mount - Pattern 4



Note : The model comes without drain ports and with male process connections.

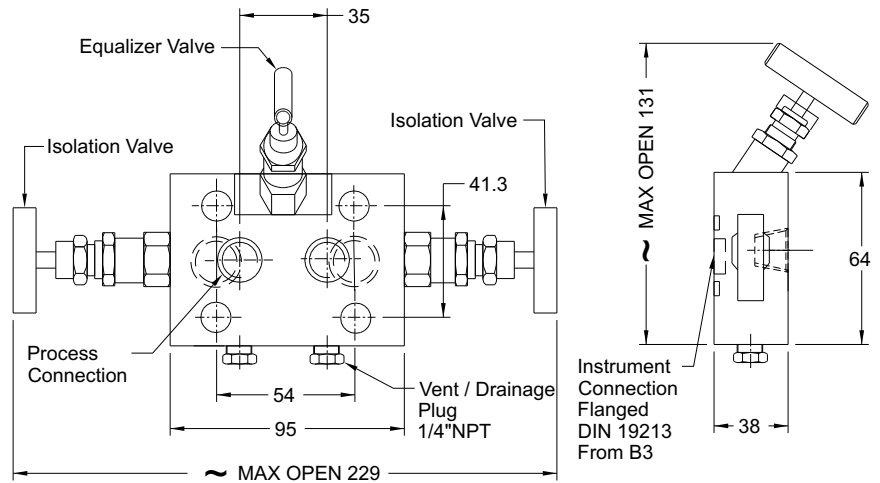
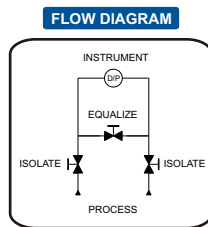
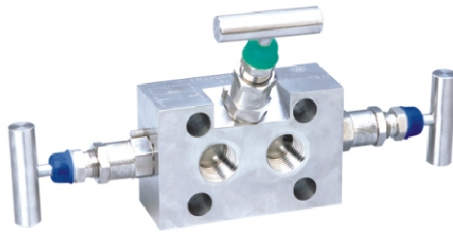
Remote mount - Pattern 5



All dimensions are in mm.

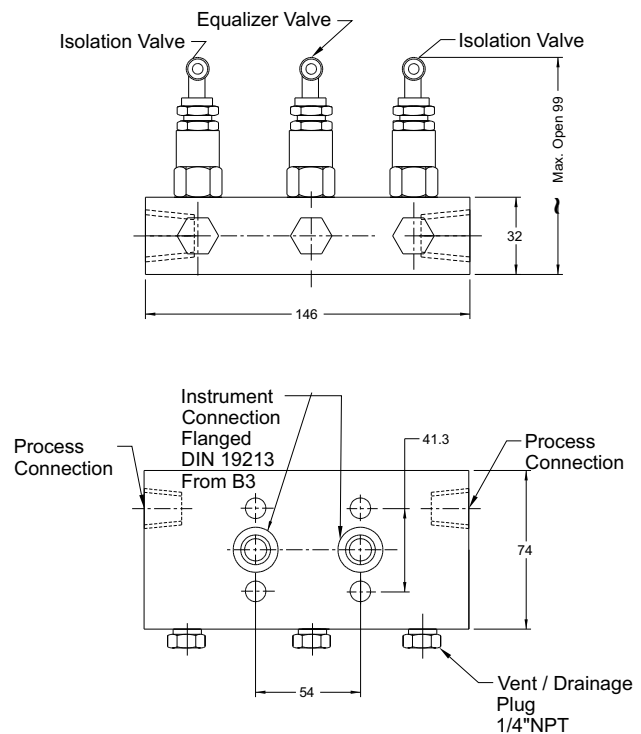
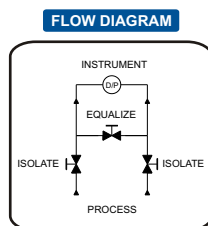
DIMENSIONAL DRAWING

Direct mount - Pattern 1



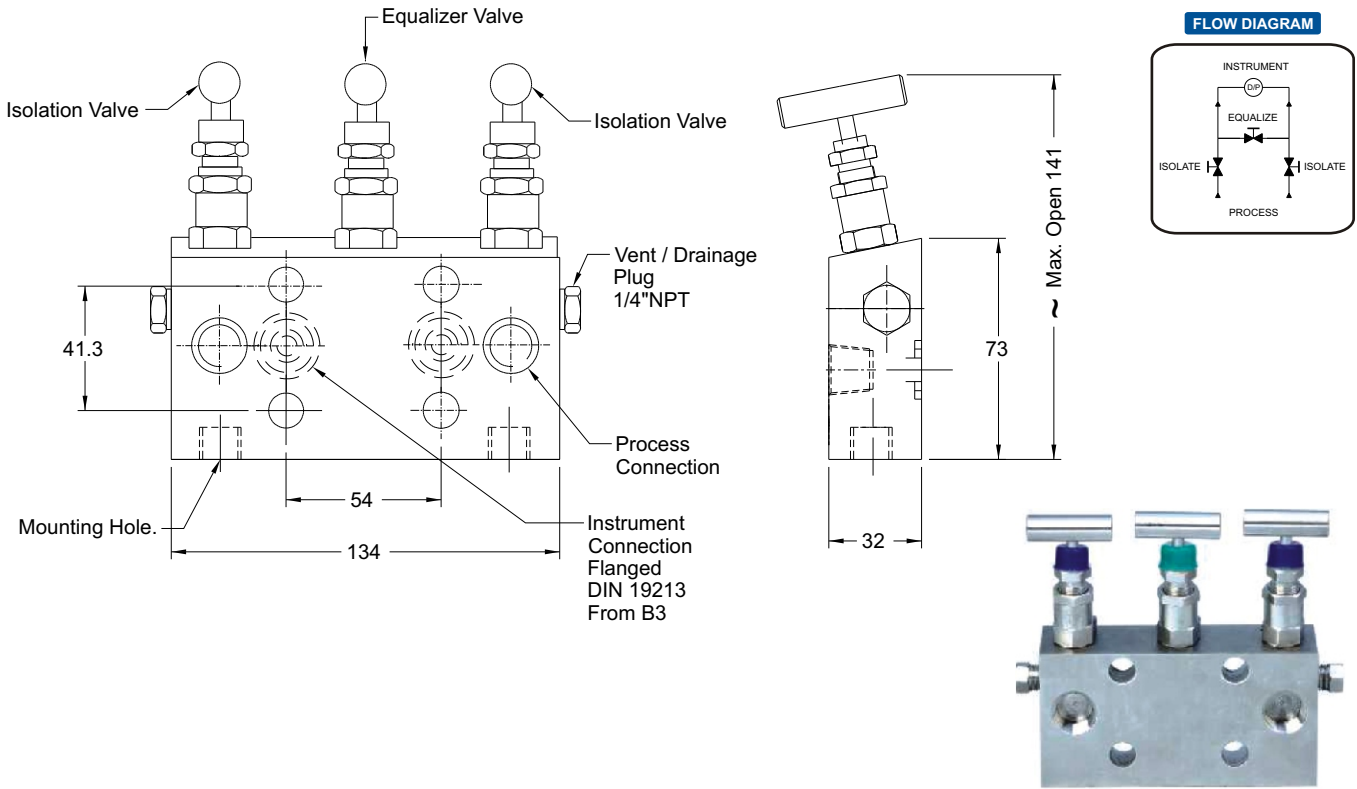
Note : The model comes without drain plugs.

Direct mount - Pattern 2

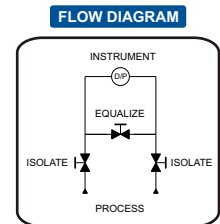


DIMENSIONAL DRAWING

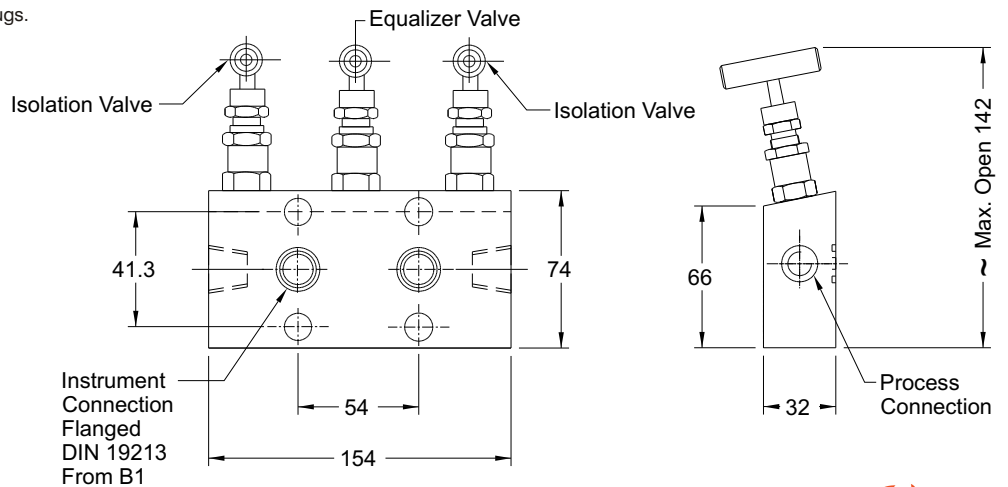
Direct mount - Pattern 3



Direct mount - Pattern 4



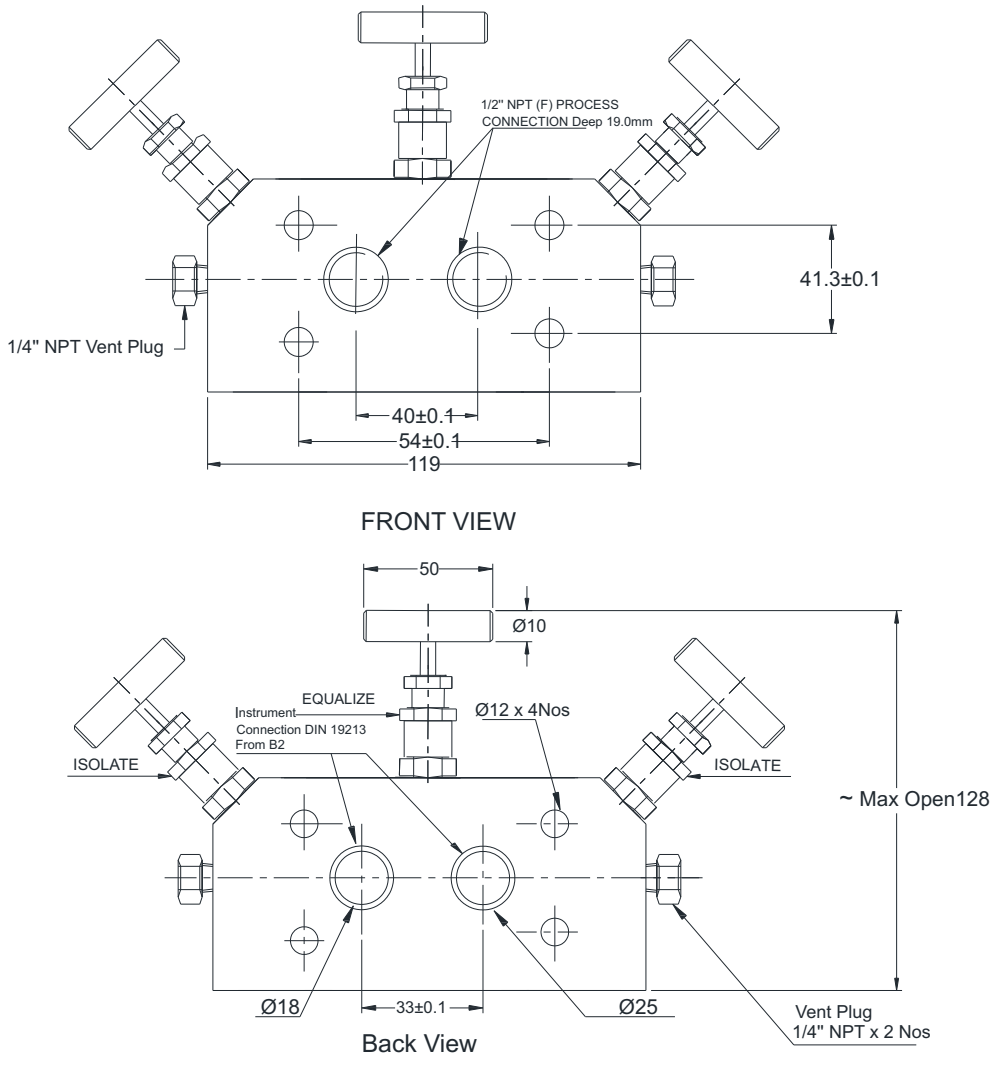
Note : The model comes without drain plugs.



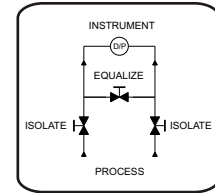
All dimensions are in mm.

DIMENSIONAL DRAWING

Direct mount - Pattern 5

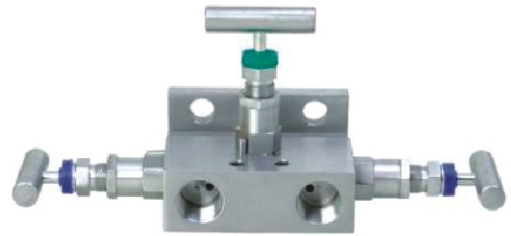
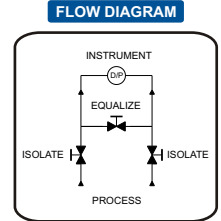
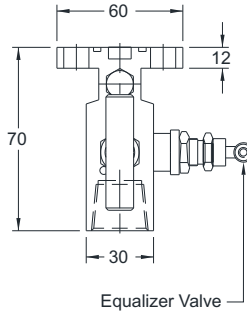
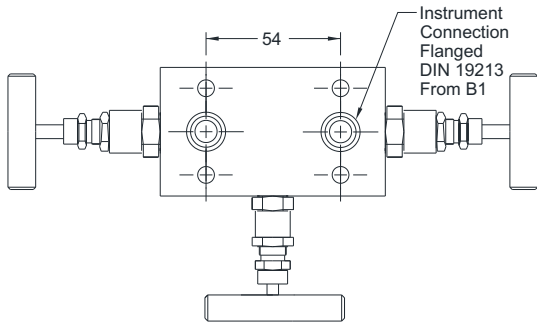
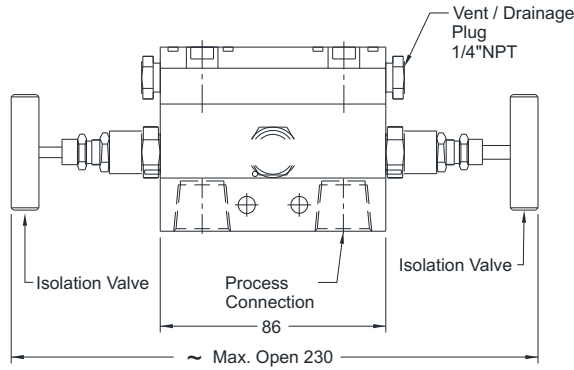


FLOW DIAGRAM

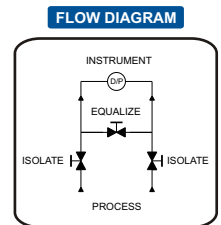
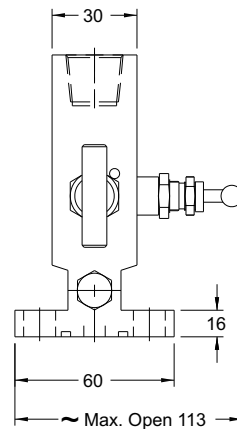
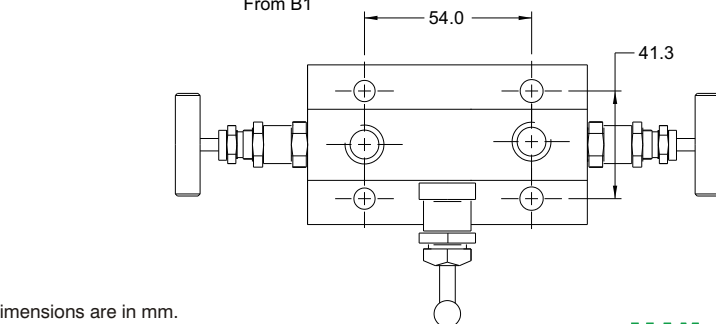
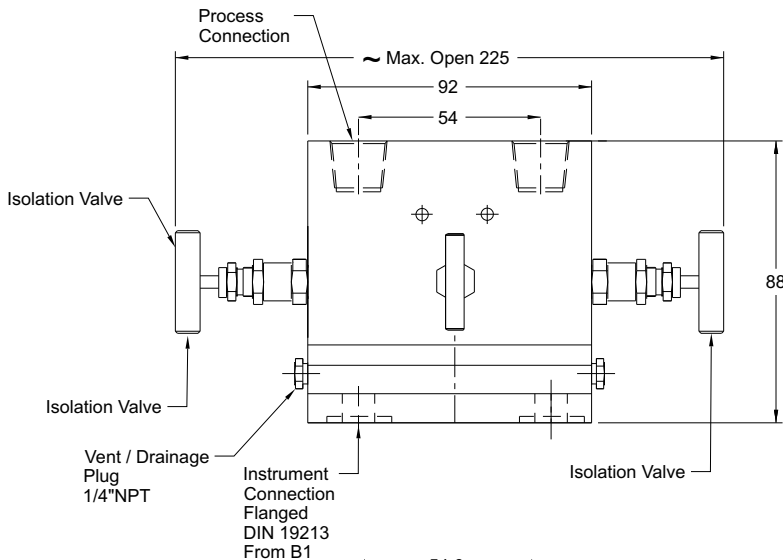


DIMENSIONAL DRAWING

Direct mount - Pattern 6



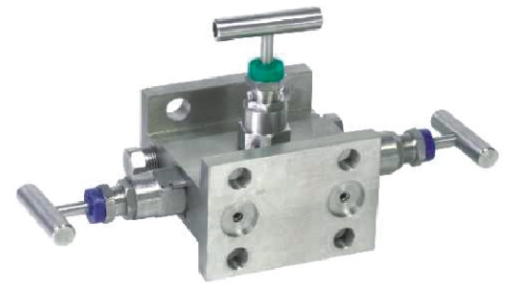
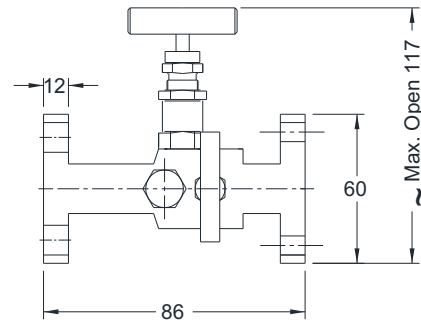
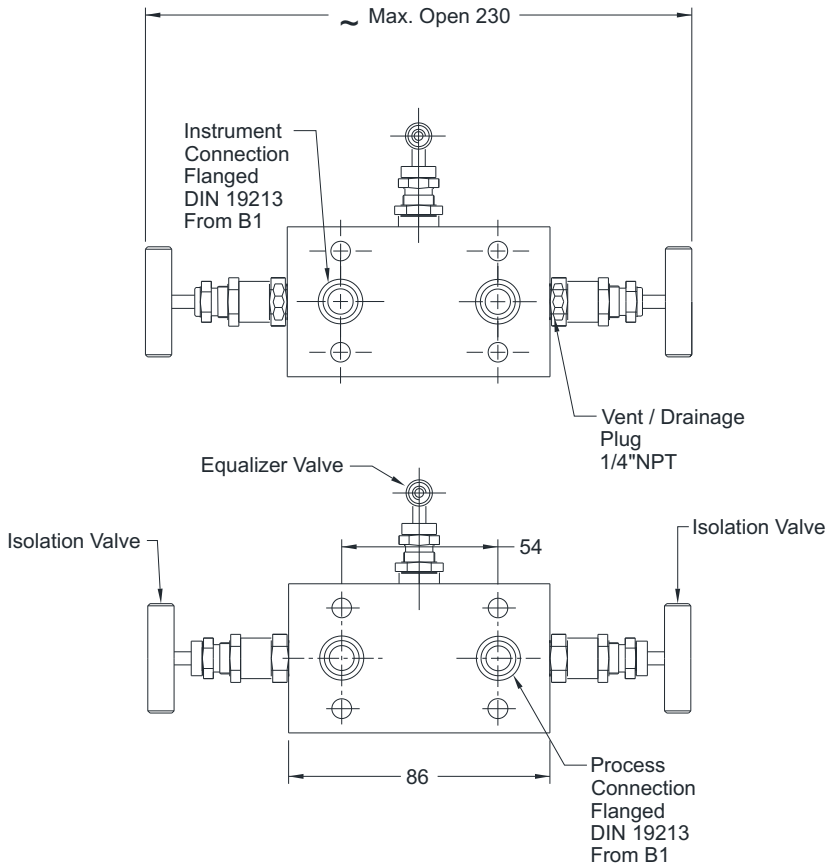
Direct mount - Pattern 7



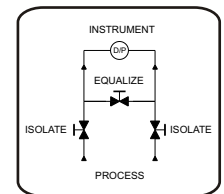
All dimensions are in mm.

DIMENSIONAL DRAWING

Direct mount - Pattern 8



FLOW DIAGRAM



APPLICABLE ACCESSORIES

- A502 Mounting Bracket, three/five valve manifold
- A506 Mounting bolts
- A507 Ring for flanged seal
- A508 Sealing gasket

ORDERING CODES

1. MOUNTING

- D Direct
- R Remote

R

2. TYPE

- | | | | |
|---|-----------|---|-----------|
| 1 | Pattern 1 | 2 | Pattern 2 |
| 3 | Pattern 3 | 4 | Pattern 4 |
| 5 | Pattern 5 | 6 | Pattern 6 |
| 7 | Pattern 7 | 8 | Pattern 8 |

2

3. WETTED PARTS

- MB Carbon Steel / ASTM A105
- MC AISI 304 SS
- MF AISI 316 SS
- MG AISI 316L SS
- MM Monel 400
- MN Monel K-500
- MO Hastelloy C-276

MF

4. INSTRUMENT CONNECTION

- 11N 1/8" NPT (M)
- 12N 1/4" NPT (M)
- 13N 3/8" NPT (M)
- 14N 1/2" NPT (M)
- 11B 1/8" BSP (M)
- 12B 1/4" BSP (M)
- 13B 3/8" BSP (M)
- 14B 1/2" BSP (M)
- 01N 1/8" NPT (F)
- 02N 1/4" NPT (F)
- 03N 3/8" NPT (F)
- 04N 1/2" NPT (F)
- 01B 1/8" BSP (F)
- 02B 1/4" BSP (F)
- 03B 3/8" BSP (F)
- 04B 1/2" BSP (F)
- FL5 Flange (DIN 19213 Form B1)
- CL5 Coplanar (DIN 19213 Form B2)
- FL6 Flange (DIN 19213 Form B3)

04N

5. STEM PACKING

- P PTFE
- G Grafoil

P

6. PROCESS CONNECTION

- 11N 1/8" NPT (M)
- 12N 1/4" NPT (M)
- 13N 3/8" NPT (M)
- 14N 1/2" NPT (M)
- 11B 1/8" BSP (M)
- 12B 1/4" BSP (M)
- 13B 3/8" BSP (M)
- 14B 1/2" BSP (M)
- 01N 1/8" NPT (F)
- 02N 1/4" NPT (F)
- 03N 3/8" NPT (F)
- 04N 1/2" NPT (F)
- 01B 1/8" BSP (F)
- 02B 1/4" BSP (F)
- 03B 3/8" BSP (F)
- 04B 1/2" BSP (F)
- 1SW 1/8" Socket-Weld
- 2SW 1/4" Socket-Weld
- 4SW 1/2" Socket-Weld
- 5SW 3/4" Socket-Weld

04N

7. OTHER OPTIONS

- XY Circular Handle
- TN Tested to NACE standards
- TO Certification for Oxygen service
- TM Material test certificate 2.2
- TH Hydro test certificate
- TC Material test certificate 3.1
- XL Marking by laser

XL

Ordering Example : M103-R-2-MF-04N-P-04N-XL

NOTES:

1. Other connections are available, please contact factory for details.
2. Valve stem dust covers shall be identified with color codes according to their function as Blue = ISOLATE, Green = EQUALIZE & Red = DRAIN / VENT.
3. For option "F5 = Flange (DIN 19213 Form B1)", the CC distance shall be 54 mm.