

FEATURES

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



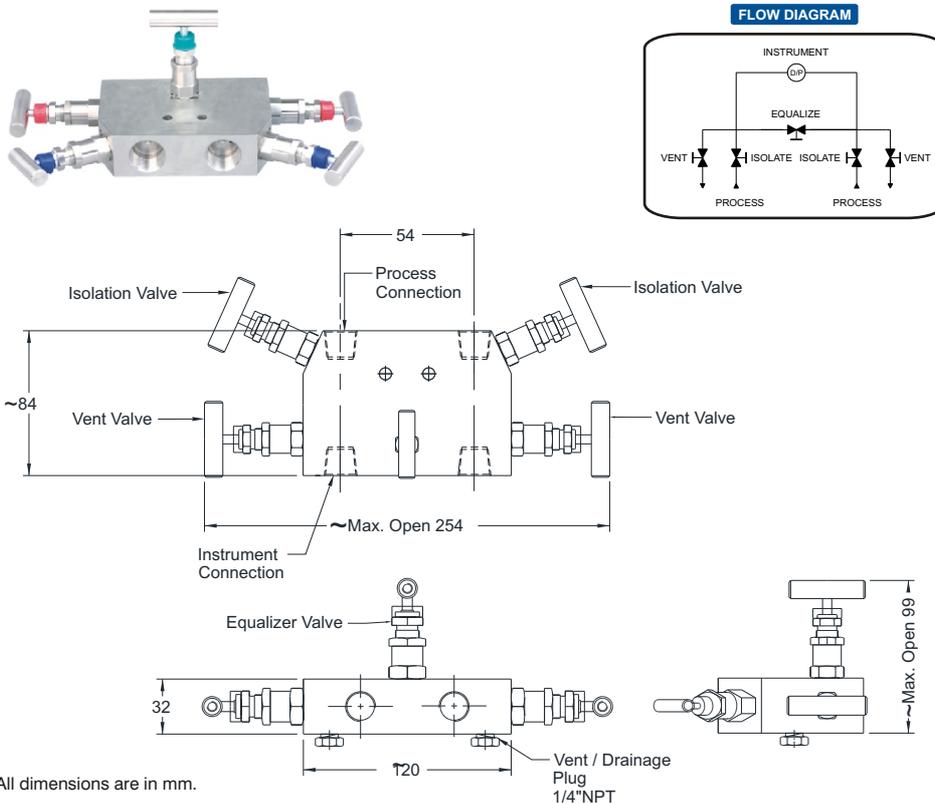
APPLICATION

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

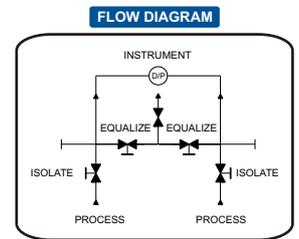
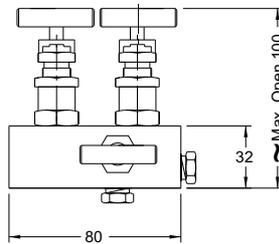
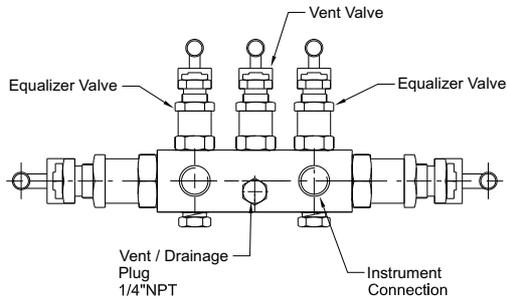
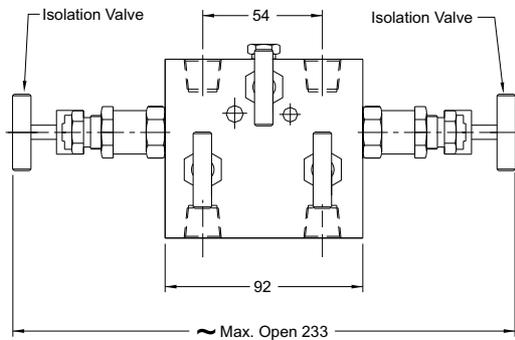
STANDARD SPECIFICATIONS

Mounting	:	Remote
Pattern	:	16
Wetted parts	:	AISI 316 SS
Instrument connection	:	1/2" NPT (F) x 2 Nos.
Stem packing	:	PTFE
Process connection	:	1/2" NPT (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

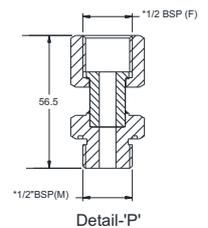
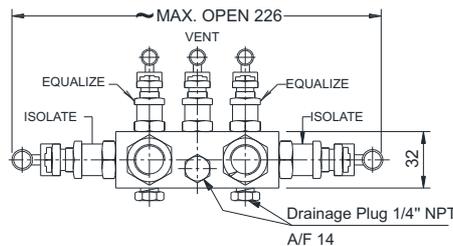
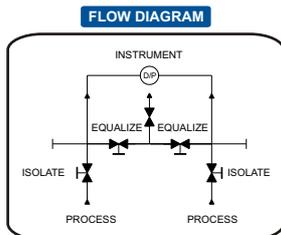
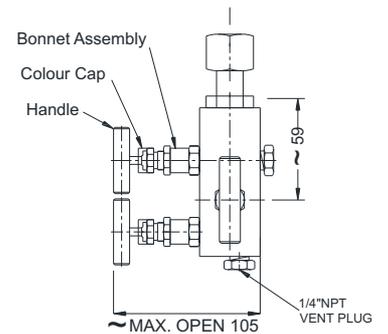
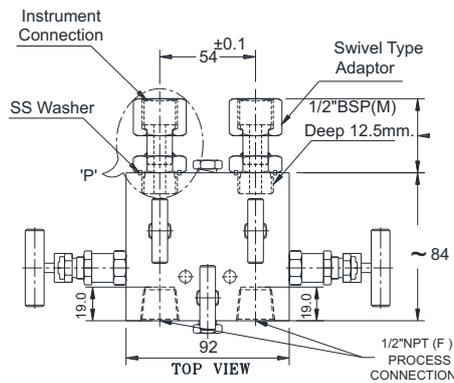
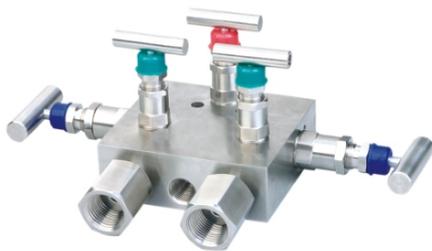
Remote mount - Pattern 1



Remote mount - Pattern 2



Remote mount - Pattern 3

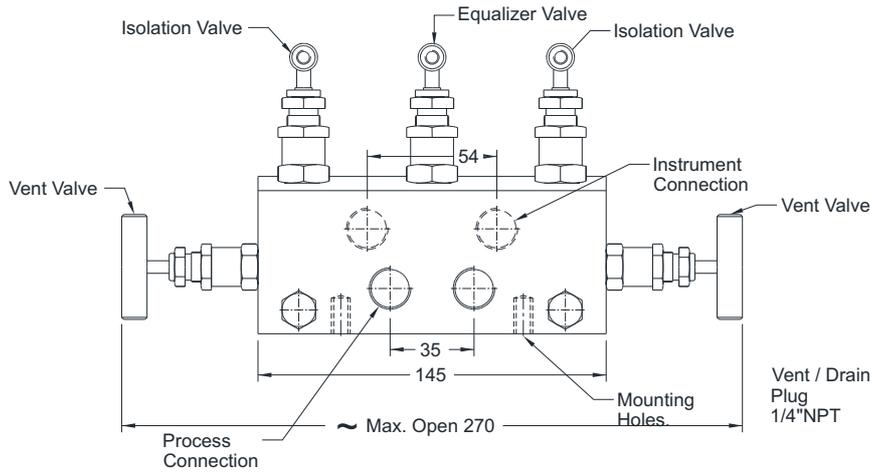
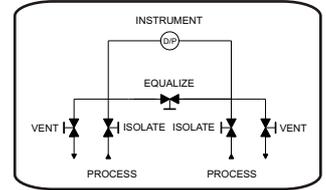


All dimensions are in mm.

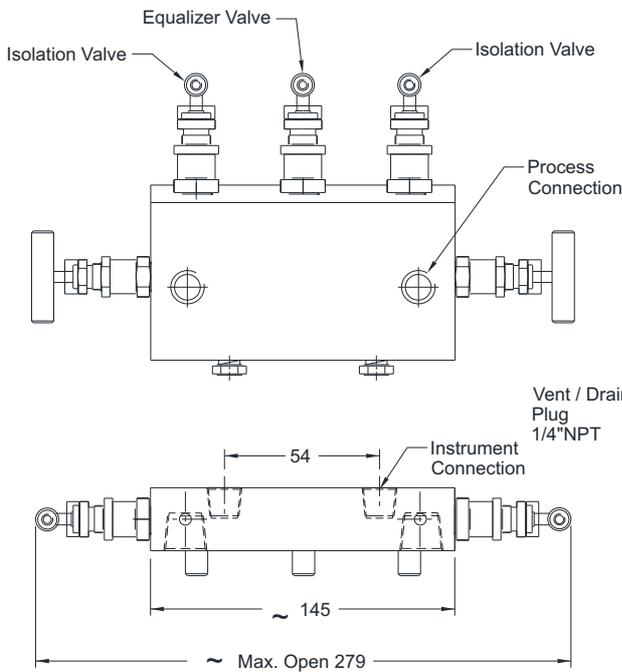
Remote mount - Pattern 4



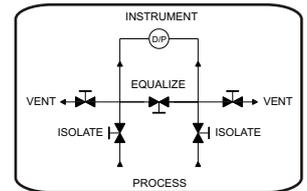
FLOW DIAGRAM



Remote mount - Pattern 5

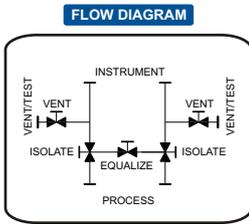
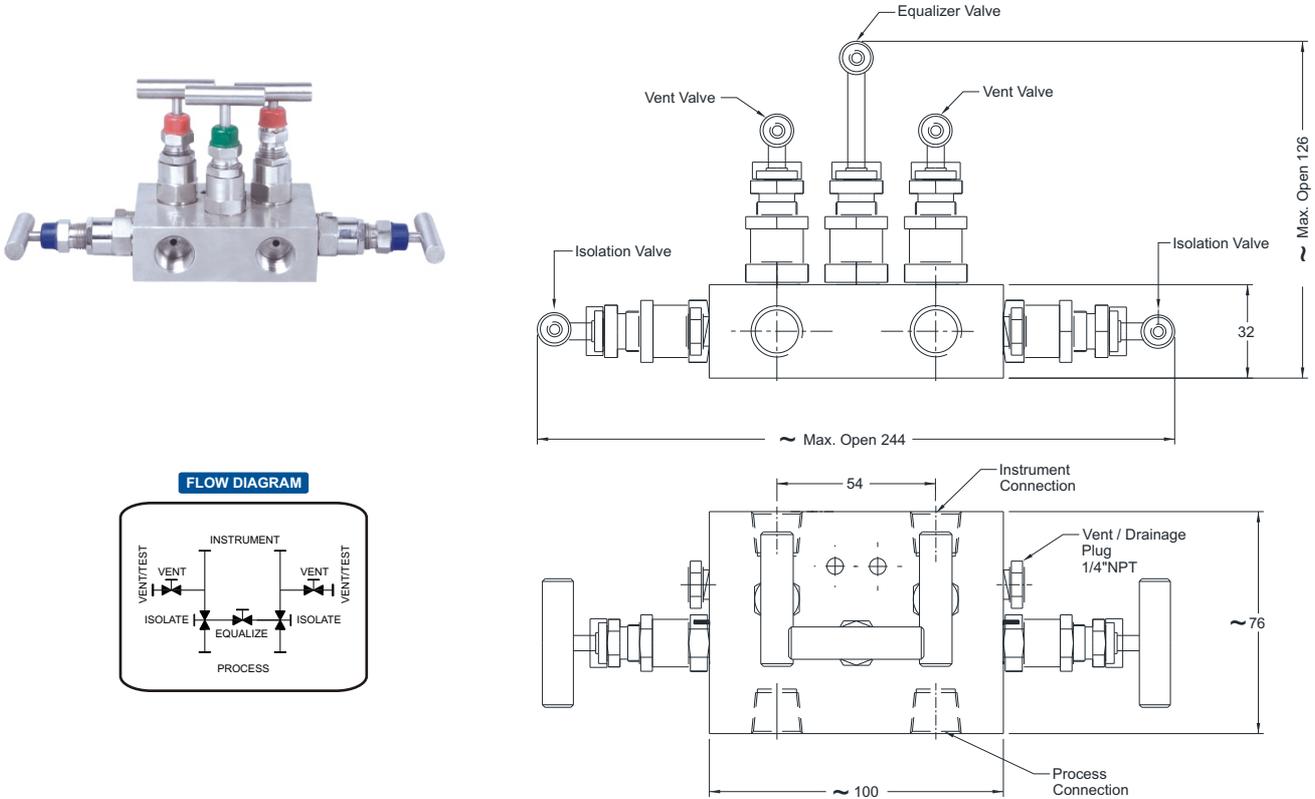


FLOW DIAGRAM

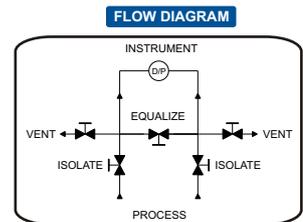
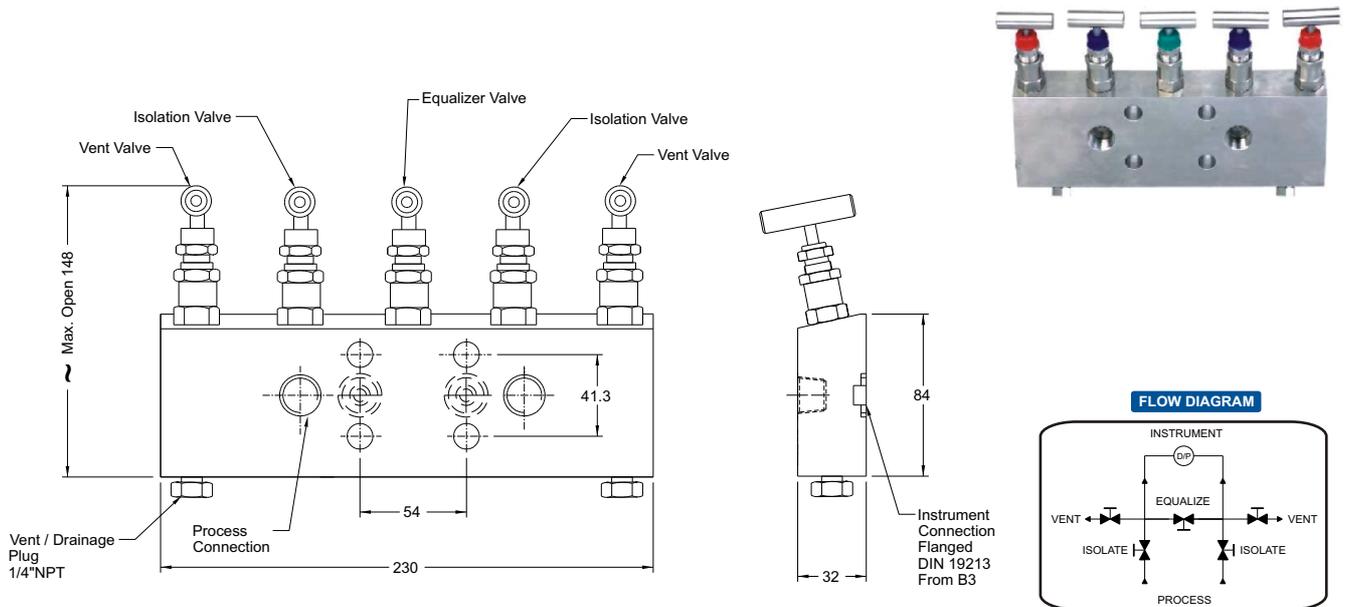


All dimensions are in mm.

Remote mount - Pattern 6

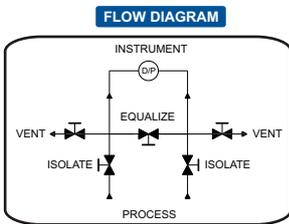
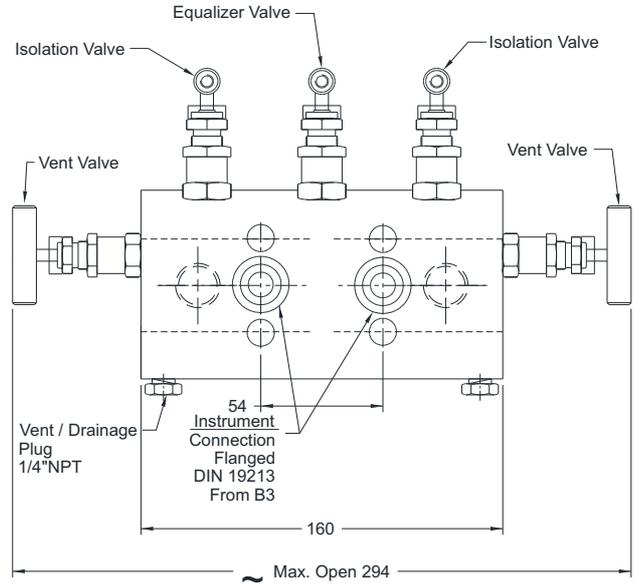
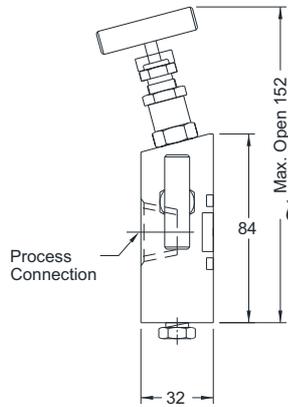
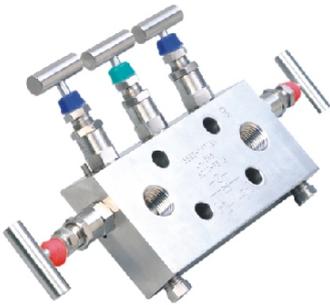


Direct mount - Pattern 1

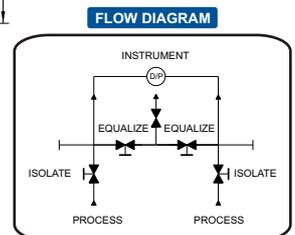
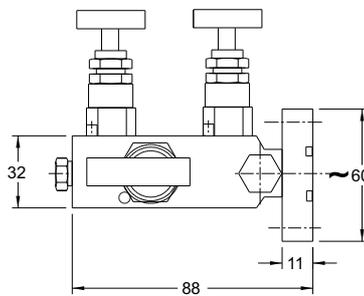
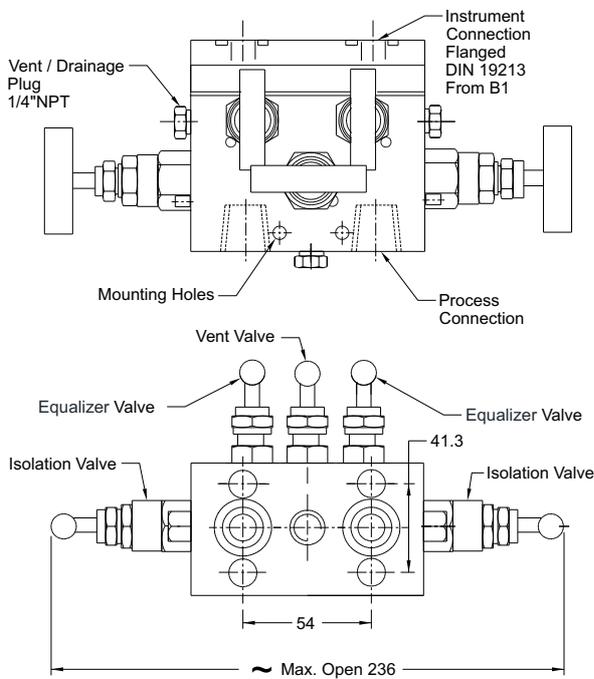


All dimensions are in mm.

Direct mount - Pattern 2

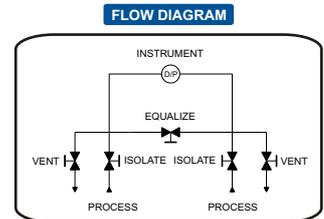
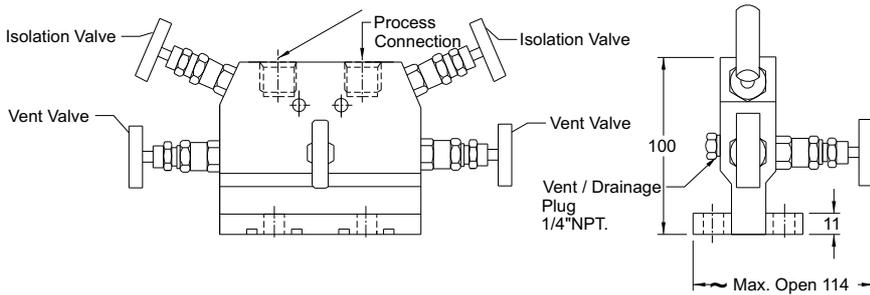
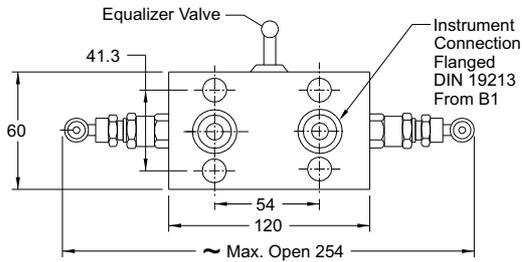


Direct mount - Pattern 3

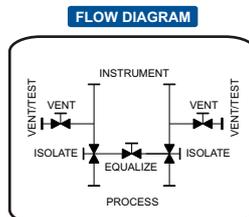
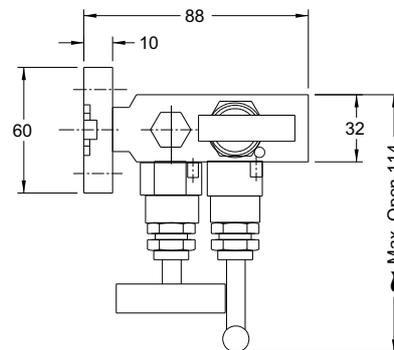
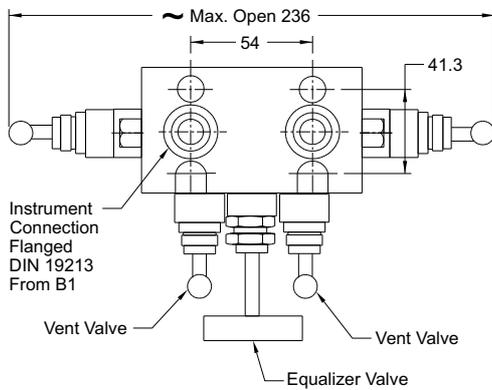
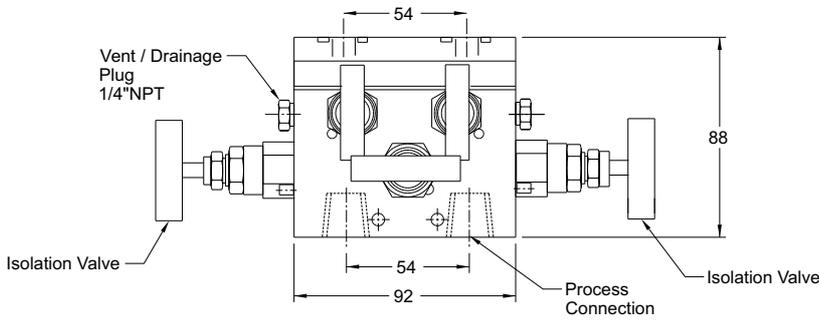


All dimensions are in mm.

Direct mount - Pattern 4

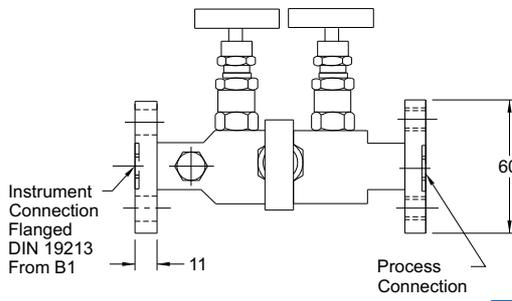
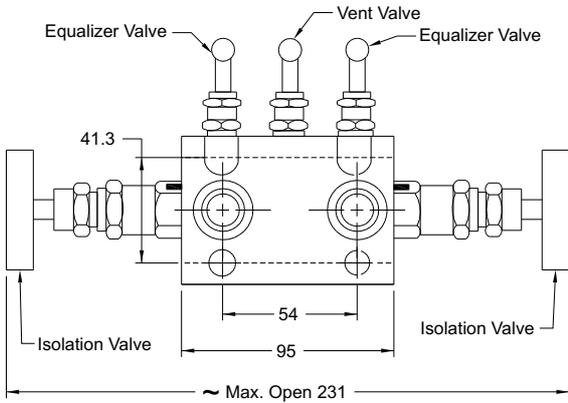
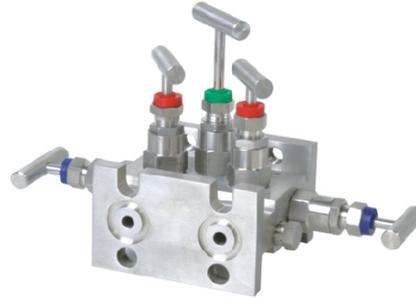
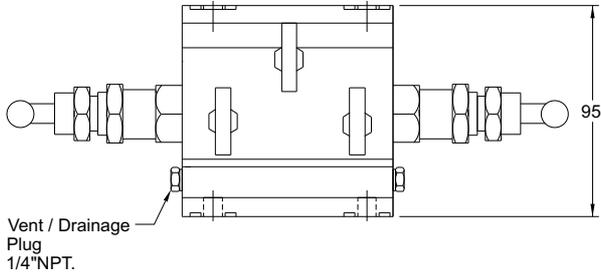


Direct mount - Pattern 5

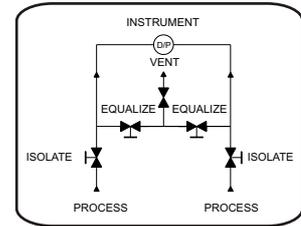


All dimensions are in mm.

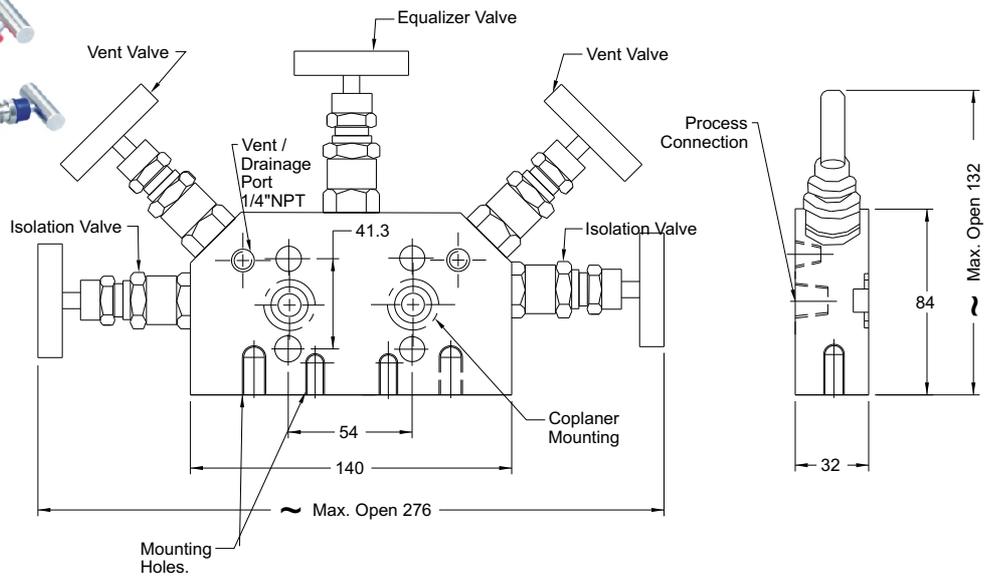
Direct mount - Pattern 6



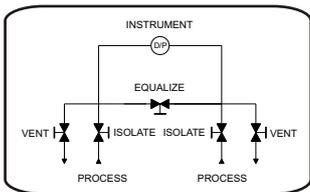
FLOW DIAGRAM



Direct mount - Pattern 7



FLOW DIAGRAM



All dimensions are in mm.

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

6

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)
- FI6** 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 : M105-R-6-MF-04N-P-04N-XL

APPLICABLE ACCESSORIES

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

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.