

Direct Mounting (Flat in line)



## FEATURES

- 1 isolate & 1 vent valves

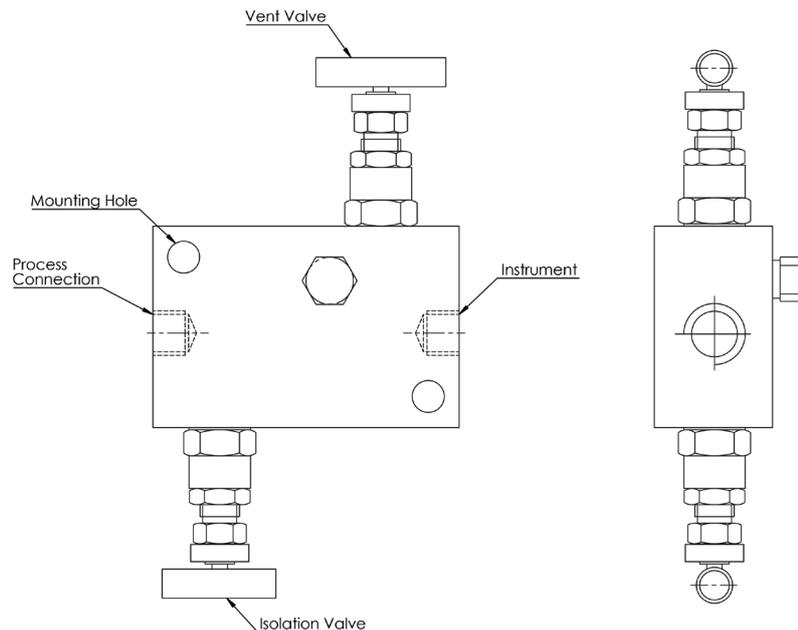
## APPLICATIONS

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

## STANDARD PARAMETERS

Mounting	In line
Wetted parts	AISI 316 SS
Instrument connection	½" NPT (F)
Stem packing	PTFE
Process connection	½" NPT (M)
Stem	Conical metal tip
Max. working pressure	413.7 bar (6000 psi) — > Option (OV) up to 15000 psi
Max. working temperature	240°C
"T" bar handle	AISI 316 SS
Drain port	¼" NPT (F), plugged

## DIMENSIONAL DRAWING



All dimensions are in mm.

### ORDERING CODES

1. MOUNTING		DR
DR	Direct	

2. WETTED PARTS		MF	
MB	Carbon Steel / ASTM A105	MF	AISI 316 SS
MC	AISI 304 SS	MM	Monel
MG	AISI 316L SS	MO	Hastelloy C-276
MD	Super Duplex		
MR	Inconel 625		

3. INSTRUMENT CONNECTION		04N	
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)

4. STEM PACKING		ME
ME	PTFE	
MA	Grafoil	

5. PROCESS CONNECTION		04N	
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)

6. OTHER OPTIONS		XL
TN	NACE standards	
TO	Use for Oxygen service	
TH	Hydro test certificate	
TC	Material test certificate	
XD	Customized Marking	
XL	Marking by laser	
OV	Overpressure up to 15000 psi	

**Ordering Example:**  
**MT-M220MV-DR-MF-04N-ME-04N-XL**

### STANDARD EXECUTION

PACKING MATERIAL	PRESSURE VS TEMPERATURE	
PTFE (High Pressure)	690 bar at 38 °C	10.000 psi at 100 °F
	420 bar at 38 °C	3000 psi at 100 °F
PTFE	276 bar at 204 °C	4000 psi at 400 °F
	420 bar at 38 °C	6000 psi at 100 °F
Graphite	209 bar at 538 °C	3000 psi at 1000 °F

### NOTE

Other connections are available, please contact factory for details.