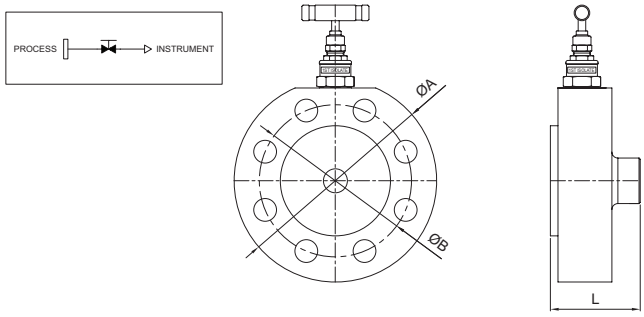
Monoflange Valves

Features

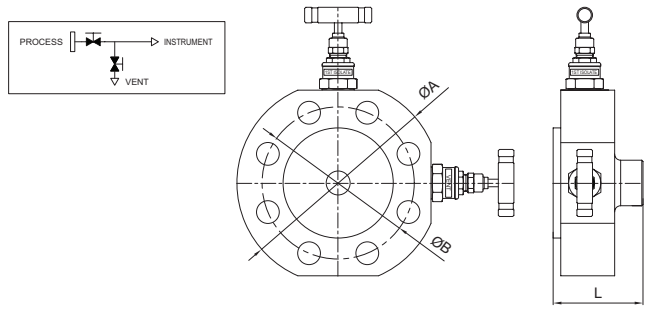
- ANSI B16.5 flanged inlet connections, sizes from 1/2” to 2”, rated from Class 150 to 2,500.
- 1/2"-14 NPT(female) standard outlet.
- 1/4"-18 NPT(female) standard vent.
- Stainless steel as the standard body material. Optional materials include Super Duplex, Monel, Hastelloy, Inconel.
- Combined needle and OS & Y valves available.
- Raised face and ring type joint flange styles.
- One-piece forged construction flange as standard.
- Fire safe designed to meet BS 6755 Part 2 / API607 (Optional).
- Pressure boundary designs calculated to ASME VIII Div 1 and verified by testing.
- Heat code traceable material to EN 10204.3.1.
- Bubble tight shut off valve seats 17-4 PH tips standard.
- Colour coded functional valves.
- Locking and anti tamper devices for all valve types available (Optional).
- Permanent marked body with full order and specification details.

Table of Dimensions

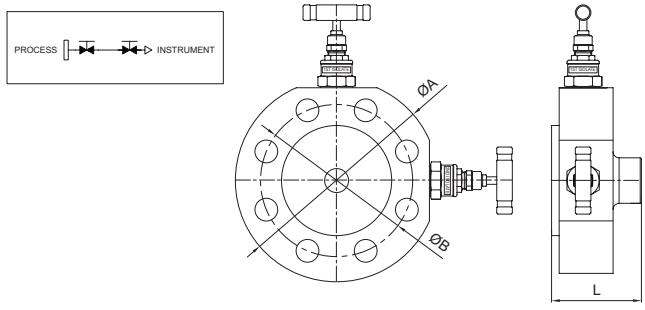
MF1V1 Series



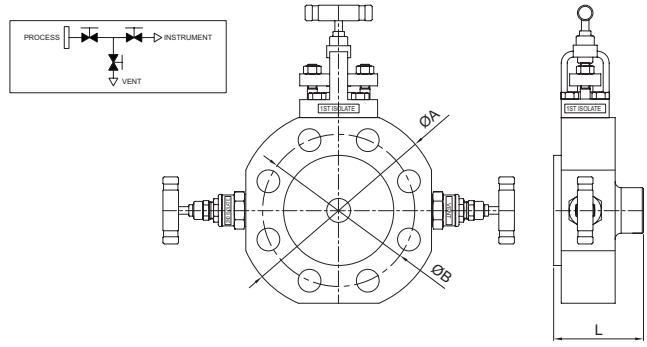
MF1V2 Series



MF1V3 Series



MF1V4 Series



Size (inch)	Rating (lb)	Dinension			
		L(RF)	L(RTJ)	A	B
1/2 (DN15)	150	64	-	90	60.3
	300		68	95	66.7
	600	68		95	
	900/1500			120	82.5
	2500			135	88.9
3/4 DN(20)	150	64	-	100	69.8
	300		68	115	82.5
	600	68		115	
	900/1500			130	88.9
	2500	73	73	140	95.2
1 (DN25)	150	64	68	110	79.4
	300			125	88.9
	600	68		125	
	900/1500	73	73	150	101.6
	2500			160	108.0
1-1/2 (DN40)	150	64	68	125	98.4
	300	69	69	155	114.3
	600	73	73	155	
	900/1500			180	123.8
	2500	82	84	205	146.1
2 (DN50)	150	69	73	150	120.6
	300		75	165	127.0
	600	73			
	900/1500	82	84	215	165.1

- Dimensions and Drawings are for reference only and are subject to change without prior notice.
- Unless otherwise specified, all dimensions are in millimeters.
- Sizes, pressure classes, and end connections not listed are available upon request.

Ordering Information

Example 1 :

MF	1	V	4	1	-	J	8	C	8	-	E	1	-	AB
	1					2		3	2		4	5		6

Example 2 :

MF	1	V	1	1	-	R	8	C	8	-	LF	2
	1					2		3	2		6	

1. Valve Type

Designator			1st ISOLATE	2nd ISOLATE	VENT
☐ **1** = FLANGE x FNPT ☐ **2** = FLANGE x FLANGE	**V1**	**1**	NEEDLE	-	-
		2	OS & Y		
	V2	**1**	NEEDLE	-	NEEDLE
		2	OS & Y		
		3			OS & Y
	V3	**1**	NEEDLE	NEEDLE	-
		2	OS & Y		
		3		OS & Y	
	V4	**1**	NEEDLE	NEEDLE	NEEDLE
		2	OS & Y	NEEDLE	
		3		OS & Y	
		4		OS & Y	OS & Y

2. Connection Size

- ☐ **R** = Raised Face
- ☐ **J** = Ring Type Joint Flange
- ☐ **F** = Flat Face
- ☐ **AF** = API 6B Type
- ☐ **SA** = SAE J518 Flange
- ☐ **IS** = ISO 6164 Flange
- ☐ **JF** = JIS Flange

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- ☐ **8** = 1/2”
- ☐ **12** = 3/4”
- ☐ **16** = 1”
- ☐ **24** = 1-1/2”
- ☐ **32** = 2”
- ☐ **48** = 3”

3. Pressure Class

- ☐ **A** = CL150
- ☐ **B** = CL300
- ☐ **C** = CL600
- ☐ **D** = CL900
- ☐ **E** = CL1500
- ☐ **F** = CL2500

4. Option

- ☐ ***(Blank)*** = Fire Safety (Standard)
- ☐ **D** = Locking Device
- ☐ **E** = Anti Tamper Key
- ☐ **F** = Bolted Bonnet
- ☐ **V** = Vent Plug
- ☐ **N** = Norsok

5. Trim

- ☐ ***(Blank)*** = Same material as the body
- ☐ **1** = SS316
- ☐ **2** = CF8M
- ☐ **3** = SS316L
- ☐ **4** = SS304
- ☐ **5** = A105+ENP
- ☐ **6** = A105+CR
- ☐ **7** = MONEL 400
- ☐ **8** = 316+HF
- ☐ **9** = Duplex
- ☐ **I** = Inconel 625

6. Body Material

- ☐ ***(Blank)*** = SS316
- ☐ **15** = A105
- ☐ **LF2** = A350 LF2
- ☐ **F51** = A182 F51
- ☐ **M40** = MONEL 400
- ☐ **AB** = AL BRONZE
- ☐ **625** = INCONEL 625

※ For special sizes and configurations, please consult BMT (SUPERLOK) sales representative.