



FLANGED SHUT OFF VALVE



FLANGED SHUT OFF VALUE

TYPE : FSV
PORT : 15 - 100 mm (1/2" - 4")

REFRIGERANTS

R-717(Ammonia), R12, R-22 and other common refrigerants

FEATURES

- Perfected for Ammonia refrigeration
- Safe working pressure 25 bar (365 psig)
- Temp. Range -46°C to $+116^{\circ}\text{C}$ (-50°F to 240°F)
- Available in Globe and Angle type
- Reliable long life valve seating

INTRODUCTION

The advance design and material of these valves make them far superior product especially in regard to non leakage of seat stems and bonnets and back seating.

APPLICATIONS

These refrigeration valves are ideal for shut off of liquid, suction, discharge, recalcultating liquid and hot gas in ammonia refrigeration system. When used with seal cap, these valves are also suitable for R-22, R-134a and other approved refrigerants. Valves can be ordered with seal cap and later can be converted to hand wheel by removing the seal cap.

MATERIAL SPECIFICATIONS

- | | |
|---------------|----------------|
| ▪Body | : C.I. FG 260 |
| ▪Bonnet | : C.I. FG 260 |
| ▪Stem | : SS 410 |
| ▪Packing Nut | : Steel |
| ▪Stem packing | : Non asbestos |



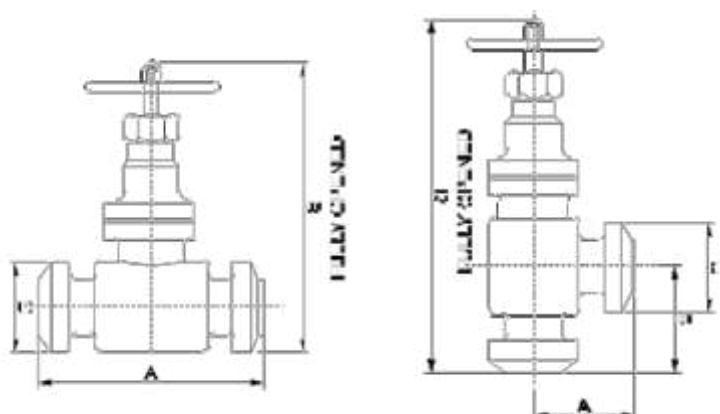
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INSTALLATION

These valves may be installed in horizontal or vertical pipe lines. Stems are normally installed horizontally but depending on the application stems may be install vertically. Inlet pressure or direction of flow for all valves sizes should normally be under valve seat disc. However, it is better to install and angle valve with normal flow opposite the direction of the arrow to avoid installing the valve with the stem down. Shut off valves leading to the atmosphere, even if it is temporarily must be plugged or capped to prevent corrosion inside of the valve.

INSTALLATION DIMENSION WITH FIGURE



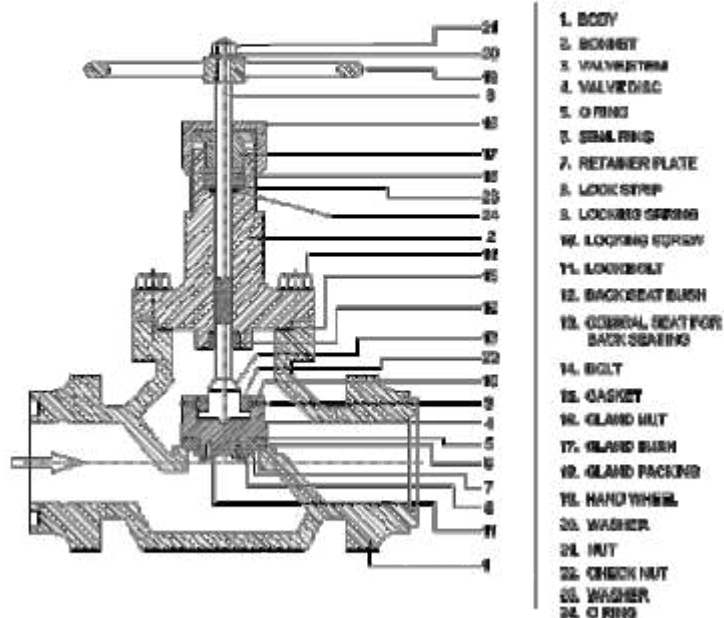
GLOBE VALVE FLANGED				ANGLE VALVE FLANGED					
SIZE	A	B	C	SIZE	A	B	C	D	FLANGE TYPE
15mm	160	180	58	15mm	80	72	60	230	OVAL
20mm	180	190	64	20mm	60	83	65	220	OVAL
25mm	170	240	63	25mm	80	79	66	280	OVAL
32mm	240	340	100	32mm	110	105	100	390	SQUARE
40mm	240	380	110	40mm	110	107	109	440	SQUARE
50mm	260	380	122	50mm	120	115	120	420	SQUARE
65mm	310	430	154	65mm	140	143	153	480	SQUARE
80mm	350	500	163	80mm	160	163	158	450	SQUARE
100mm	390	540	175	100mm	180	164	178	620	SQUARE



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PART LIST



S. NO.	ITEM	QTY.	PART NO.
1	BODY (GLOBE TYPE) (ANGLE TYPE)	1 1	10060100 20060100
2	BONNET	1	10060200
3	VALVE STEM	1	10060300
4	VALVE DISC	1	10060400
5	'O' RING	1	10060800
6	SEAT RING	1	10060500
7	RETAINER PLATE	1	10080600
8	LOCK STRIP	1	10060700
9	LOCKING SPRING	1	10061900
10	LOCKING SCREW	2	10061001
11	LOCK BOLT	2	10061002
12	BACK SEAT BUSH	1	10061201
13	BOLT	4	10061000
14	GASKET	1	10061100
15	GLAND NUT	1	10062301
16	GLAND BUSH	1	10061200
17	GLAND PACKING	4	10061300
18	HAND WHEEL	1	10061400
19	WASHER	1	10061500
20	NUT	1	10062300
21	CHECK NUT	1	10062302
22	WASHER	1	10061501
23	'O' RING	1	10060801



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ORDERING INFORMATION

SIZE	DESCRIPTION	FLANGE STYLE	CAT NO
1/2"	Globe type Angle type	Oval	FSVG 15 FSVA15
3/4"	Globe type Angle type	Oval	FSVG 20 FSVA20
1"	Globe type Angle type	Oval	FSVG 25 FSVA25
1-1/4"	Globe type Angle type	Square	FSVG 32 FSVA32
1-1/2"	Globe type Angle type	Square	FSVG 40 FSVA40
2"	Globe type Angle type	Square	FSVG 50 FSVA50
2-1/2"	Globe type Angle type	Square	FSVG 65 FSVA65
3"	Globe type Angle type	Square	FSVG 80 FSVA80
4"	Globe type Angle type	Square	FSVG 100 FSVA100

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