

CAST STEEL

GLOBE VALVE

STOUT & STURDY WORKING

DESCRIPTION :

'WJ' Cast Steel Globe Valve to BS 1873-1975 Outside Screw and Yoke Type. Bolted Bonnet, 13% Cr. S.S. (AISI-410) Trim, Plug Type Disc. Flanges as per BS 1560/ANSI-B 16.5. Raised Face are manufactured in Class-150-300 and 600.

These valves have wide applications for high temperature & pressure pipe lines and are specially suitable for oil Refineries, Petrochemical Plants, Power Stations & other Industrial Plants.

SALIENT FEATURES :

1. Stream lined full flow area is provided in body to minimise pressure drop.
2. Renewable 13% Cr. S.S. (AISI-410) body seat ring and disc. have at least 50 HB difference in hardness.
3. Bolted self aligning two piece gland.
4. Back seat provision is provided to facilitate on line replacement of gland packing under pressure when valve is fully open.
5. Ample depth of stuffing box.
6. Sturdy hand wheel is provided for easy operation of valve.

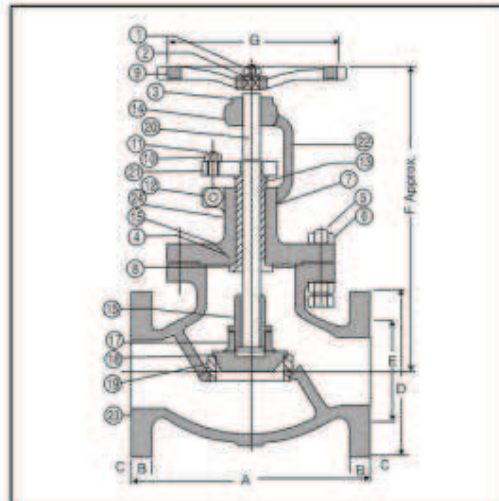
TESTING AND CERTIFICATION :

If required these valves can be supplied with IBR Test Certificate in Form III-C issued by The Director of Boilers, Punjab.



TEST PRESSURE

CLASS	BODY HYD.	SEAT HYD.	AIR
150	30 Bargauge	22 Bargauge	6.9 Bargauge
300	76 Bargauge	55 Bargauge	6.9 Bargauge
600	155 Bargauge	113 Bargauge	6.9 Bargauge



NOTE :

Class 150 & 300 Flanges are furnished with 1.6mm Raised Face which is included in the min. Flange Thickness (B). Class 600 Flanges are furnished with 6.4mm Raised Face which is additional to the Flange Thickness (B).

DIMENSIONS

Nominal Size	A			B			C			D			E			F			G		
	Class 150	Class 300	Class 600	Class 150	Class 300	Class 600	Class 150	Class 300	Class 600	Class 150	Class 300	Class 600	Class 150	Class 300	Class 600	Class 150	Class 300	Class 600	Class 150	Class 300	Class 600
40 mm (1 1/2")	165	229	241	14.3	20.6	22.2	1.6	1.6	6.4	127	156	156	73	73	73	250	295	315	180	200	200
50 mm (2")	203	267	292	16.0	22.2	25.4	1.6	1.6	6.4	152	165	165	92	92	92	276	320	350	200	205	200
65 mm (2 1/2")	216	292	330	17.5	25.4	28.6	1.6	1.6	6.4	178	190	190	105	105	105	345	380	390	200	250	230
80 mm (3")	241	318	356	19.0	28.6	31.8	1.6	1.6	6.4	190	210	210	127	127	127	390	415	445	200	250	250
100 mm (4")	292	356	432	23.8	31.8	38.1	1.6	1.6	6.4	229	254	273	157	157	157	430	480	501	250	250	300
125 mm (5")	356	401	---	23.8	34.9	---	1.6	1.6	---	254	279	---	186	186	---	460	520	---	300	300	---
150 mm (6")	406	444	559	25.4	36.5	47.6	1.6	1.6	6.4	279	318	356	216	216	216	565	610	660	300	450	450
200 mm (8")	495	559	660	28.6	41.3	55.6	1.6	1.6	6.4	343	381	419	270	270	270	572	675	840	450	500	450
250 mm (10")	622	622	787	30.2	47.6	63.5	1.6	1.6	6.4	406.5	444	508	324	324	324	700	770	880	500	560	550
300 mm (12")	698	711	838	31.8	50.8	66.5	1.6	1.6	6.4	483.0	521	559	381	381	381	765	935	920	575	750	550

MATERIALS

PART No.	NAME OF PART	MATERIAL	SPECIFICATION
1.	Nut for Hand Wheel	M.S.	-----
2.	Washer	M.S.	-----
3.	Locking Screw	M.S.	-----
4.	Locking Screw	M.S.	-----
5.	Studs	Alloys Steel	ASTM A-193 Gr. B 7
6.	Nuts	High Tensile Steel	ASTM A-193 Gr. 2 H
7.	Packing	Graphited Asbestos	-----
8.	Gasket	C.A.F./SS (AISI 304) Spiral Wound	Asbestos Filled
9.	Hand Wheel	Malleable Iron	-----
10.	Nut for Eye Bolts	H.T. Steel	ASTM A-194 Gr. 2 H
11.	Eye Bolts	13% CR S.S.	AISI-410
12.	Pins for eye Bolts	13% CR S.S.	AISI-410
13.	Gland	13% CR S.S.	AISI-410
14.	Stem Bush	13% CR S.S.	AISI-410
15.	Back Seat Bush	13% CR S.S.	AISI-410
16.	Disc retaining nut	13% CR S.S.	AISI-410
17.	Valve Disc	13% CR S.S.	AISI-410
18.	Thrust Plate	13% CR S.S.	AISI-410
19.	Body Seat Ring	13% CR S.S.	AISI-410
20.	Stem	13% CR S.S.	AISI-410
21.	Gland Flange	Cast Steel	ASTM A-216 GRWCB
22.	Bonnet	Cast Steel	ASTM A-216 GRWCB
23.	Body	Cast Steel	ASTM A-216 GRWCB
24.	Lantern Ring	13% Gr. S.S.	AISI-410