

CAST STEEL

GLOBE VALVE

STOUT & STURDY, SMOOTH PERFORMANCE

DESCRIPTION :

'WJ' Cast Steel Globe Valve to BS-5160/DIN 2401, PN-40, Straight or Right Angle Pattern, 13% Cr. S.S.(AISI-410) Trim, Outside Screw and Yoke Type, Bolted Bonnet, Integral Flanges as per BS-4504 Part I Table 40/1/DIN 2545 PN-40 Raised Face. Body Tested to 60 Bar Gauge and Seat and Back Seat Tested to 40 Bar Gauge Hydraulic Pressure.

SALIENT FEATURES :

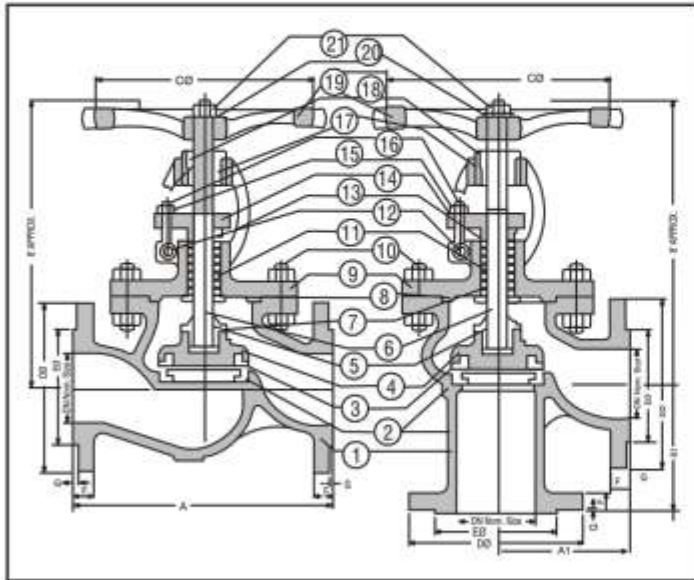
1. Stream lined full flow area is provided in the body to minimise pressure drop.
2. Bolted self aligning two piece gland.
3. Renewable S.S. 13% S.S. (AISI-410) body seat ring and disc facing ring have at least 50 H.B. difference in hardness.
4. Provision of back to facilitate on line replacement of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

TESTING AND CERTIFICATION :

All valves are tested at double the max. working pressure. Each valve is supplied with IBR Test Certificate in Form III-C issued by The Director of Boilers, Punjab.



NOMINAL PRESSURE	STANDARD No.	MAX. Permissible Gauge working pressure at Temperature °C						
		10 To 120	200	250	300	350	400	425
40	BS 5160 (Bar)	40	40	38	33	28	23	20
	DIN 2401 Kg/Cm ² g	40	35	32	28	24	21	---



Nominal Size	DIMENSIONS								
	DN	A	A ¹	B	C	D	E	F	G
DN15 (1/2")	130	90	165	120	95	45	16	2	
DN20 (3/4")	150	95	165	120	105	58	18	2	
DN25 (1")	160	100	200	150	115	68	18	2	
DN32 (1 1/4")	180	105	200	150	140	78	18	2	
DN40 (1 1/2")	200	115	245	200	150	88	18	3	
DN50 (2")	230	125	260	200	165	102	20	3	
DN65 (2 1/2")	290	145	300	250	185	122	22	3	
DN80 (3")	310	155	340	250	200	138	24	3	
DN100 (4")	350	175	400	300	235	162	24	3	
DN125 (5")	400	200	450	300	270	188	26	3	
DN150 (6")	480	225	530	400	300	218	28	3	
DN200 (8")	600	275	580	400	375	285	34	3	
DN250 (10")	730	648	450	450	450	345	38	3	
DN300 (12")	850	682	450	450	515	410	42	4	

MATERIALS

PART No.	NAME OF PART	MATERIAL	SPECIFICATION
1.	Body	Cast Steel	IBR 73 to 80
2.	Body Seat Ring	13% Cr. S.S.	AISI-410
3.	Valve Disc Facing Ring	13% Cr. S.S.	AISI-410
4.	Valve Disc	Cast Steel	IBR 73 to 80
5.	Valve Disc Bush	13% Cr. S.S.	AISI-410
6.	Stem	13% Cr. S.S.	AISI-410
7.	Back Seat Bush	13% Cr. S.S.	AISI-410
8.	Gasket	S.S. Type 304	Spiralwound Asbestos Filler
9.	Bonnet	Cast Steel	IBR 73 to 80
10.	Studs & Nuts	Alloy Steel H.T. Steel	ASTM A-193 Gr. B 7 ASTM A-194 Gr. 2H
11.	Packing	Graphited Asbestos	-----
12.	PIN for Eye Bolts	13% Cr. S.S.	AISI-410
13.	Gland	13% Cr. S.S.	AISI-410
14.	Gland Flange	Cast Steel	IBR 73 to 80
15.	NUT For Eye Bolts	H.T. Steel	ASTM A-194 Gr. 2H
16.	Eye Bolts	13% Cr. S.S.	AISI-410
17.	Yoke Bush	13% Cr. S.S.	AISI-410
18.	Locking Screw	Steel	-----
19.	Handwheel	M.I.	-----
20.	Washer	Carbon Steel	-----
21.	NUT for Handwheel	Carbon Steel	-----