IS-10 Leaded Tin Bronze Globe Valve Class 2, Flanged Ends

Description



- NETA Leaded Tin Bronze (IS:318 Gr. LTB2) Globe Valve
- IS:778/84 Amendment Nos. 1 and 2, Class 2
- Screwed in Bonnet
- Inside Screw
- Rising Stem
- Integral Seats
- Flanged Ends
- Handwheel Operated

Test Pressure

Hydraulic Test Pressure
– Body : 2.4 MPa
– Seat : 1.6 MPa
– Back Seat : 1.6 MPa

Design Features

- The design of the Valve body is such that it provides ample resistance to distortion under the maximum cold working pressure.
- Minimum Flow way area through the seats is not less than 85 percent (Clause 7.1.2 of IS:778-1984 Amendment No. 1 & 2) & whereas flow way area at all other places through & between the ports of the Valve is not less than area of the circle equal to the nominal size of the Valve.
- Back Seat arrangement permits the replacement of the gland packing in fully open position while the Valve is under line pressure.
- Stuffing box is of ample depth for filling Gland packing.
- Loose Plug type Disc is provided to ensure self-alignment.
- Gland is of two piece design consisting of a sleeve sliding in the stuffing box secured by a screwed hexagonal gland nut.
- Flanged Ends Valves have integral flanges machined flat as per Table 7.1.4.1 of IS:778-1984 Amendment No. 1 & 2. Flange Dimensions of flanges other than above mentioned table can be supplied if required by the purchaser. Flanges can be supplied undrilled or drilled as specified in the purchase order.

Certification

A certificate shall be furnished stating that the Valves supplied conform to IS:778 – 1984 Amendment No.1 & 2.

Application : Water

HSN : 84818020

Materials

PNo.	Part	Nos.	Material	Standard
1	Set Screw / Bolt	1	M.S.	IS:1367
2	Washer	1	M.S.	IS:226
3	Handwheel	1	C.I. / M.S.	IS:210 Gr.FG200 / IS:226
4	Stem	1	Brass	IS:6912 Gr.FLB
5	Gland Nut	1	G.M.	IS:318 Gr.LTB2
6	Gland Packing	–	Asbestos	IS:4687
7	Bonnet	1	G.M.	IS:318 Gr.LTB2
8	Disc	1	G.M.	IS:318 Gr.LTB2
9	Body	1	G.M.	IS:318 Gr.LTB2
10	Gland	1	G.M.	IS:318 Gr.LTB2
11	Disc Nut	1	G.M.	IS:318 Gr.LTB2

IS:778 MARKED

Dimensions

Nominal Size (Inches)	Nominal Size (mm)	L ±1.5	H App.	W App.
1/2	15	75	90	54
3/4	20	85	104	60
1	25	95	113	76
1.1/4	32	110	121	76
1.1/2	40	120	130	90
2	50	145	142	108
2.1/2	65	165	170	118
3	80	185	195	130
4	100	216	235	163

