

## 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

## Dimensions

Nominal Size (Inches)	Nominal Size (mm)	L $\pm 1.5$	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

