SINCE 1955

ISO 9001:2015 & ISO 14001:2015 CERTIFIED

IS:778 MARKED

IS-7 Leaded Tin Bronze Globe Valve Class 1, Screwed Ends

Description

- NETA Leaded Tin Bronze (IS:318 Gr. LTB2) Globe Valve
- IS:778/84 Amendment Nos. 1 and 2, Class 1
- Screwed in Bonnet
- Inside Screw
- Rising Stem
- Integral Seats
- Screwed Female Ends conforming to IS:554 Parallel Threads
- Handwheel Operated

Test Pressure

Hydraulic Test Pressure
– Body : 1.5 MPa
– Seat : 1.0 MPa
– Back Seat : 1.0 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.
- The ends of the Screwed Valves are in the form of hexagon to facilitate wrenching. The threading at the ends confirm to IS:554-1975 female threads. Other types of threads can be provided if specified in the purchase order.
- 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.

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

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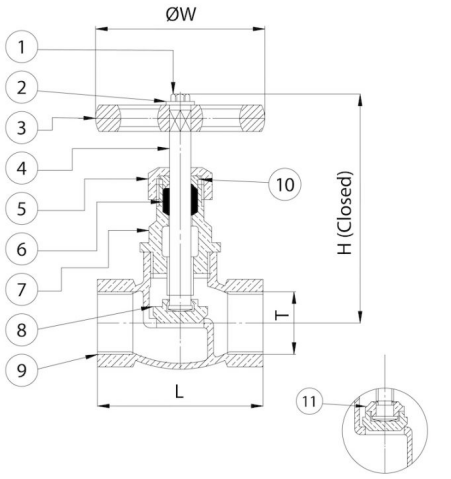
Nominal Size (Inches)	Nominal Size (mm)	L ±1.5	H App.	W App.	T – BSP Parallel Threads
1/2	15	60	90	54	1/2
3/4	20	70	104	60	3/4
1	25	80	113	76	1
1.1/4	32	95	121	76	1.1/4
1.1/2	40	110	130	90	1.1/2
2	50	125	142	108	2
2.1/2	65	160	170	118	2.1/2
3	80	180	195	130	3
4	100	216	235	163	4



Design of Disc for Nominal Size 25mm to 100mm