IS-2 Leaded Tin Bronze Gate Valve Class 1, Flanged Ends

Description



- NETA Leaded Tin Bronze (IS:318 Gr. LTB2) Gate Valve
- IS:778/84 Amendment Nos. 1 & 2, Class 1
- Screwed in Bonnet
- Inside Screw
- Non-Rising Stem
- Integral Seats
- Solid Wedge
- Flanged Ends
- 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.
- 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.
- Gland is of two piece design consisting of a sleeve sliding in the stuffing box secured by a screwed hexagonal gland nut.
- Minimum Flow way area through and between the ports of the Valve is not less than area of the circle equal to the nominal size of the Valve.
- 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.
- The stuffing box is incorporated as separate component screwed into the bonnet for Non Rising Stem Gate Valves. The two piece design of the bonnet gives easy accessibility to the parts while making replacement.

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	1	G.M.	IS:318 Gr.LTB2
7	Gland Packing	–	Asbestos	IS:4687
8	Stuffing Box	1	G.M.	IS:318 Gr.LTB2
9	Bonnet	1	G.M.	IS:318 Gr.LTB2
10	Wedge	1	G.M.	IS:318 Gr.LTB2
11	Body	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	72	107	54
3/4	20	76	115	60
1	25	90	135	76
1.1/4	32	100	145	76
1.1/2	40	110	170	90
2	50	120	193	108
2.1/2	65	140	230	118
3	80	150	247	130
4	100	190	295	163

