

IS-3 Leaded Tin Bronze Gate Valve Class 1, Rising Stem, Screwed Ends

Description

- NETA Leaded Tin Bronze (IS:318 Gr. LTB2) Gate Valve
- IS:778/84 Amendment Nos. 1 and 2, Class 1
- Screwed in Bonnet
- Inside Screw
- Non-Rising Stem
- Integral Seats
- Solid Wedge
- 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.
- 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.
- 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.



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 |

Dimensions



ISO 9001:2015 & ISO 14001:2015 CERTIFIED



| Nominal Size (Inches) | Nominal Size (mm) | L ±1.5 | H App. | W App | T - BSP Parallel Thread |
|-----------------------|-------------------|--------|--------|-------|-------------------------|
| 1/2 | 15 | 60 | 125 | 54 | 1/2 |
| 3/4 | 20 | 60 | 140 | 60 | 3/4 |
| 1 | 25 | 70 | 170 | 76 | 1 |
| 1.1/4 | 32 | 80 | 185 | 76 | 1.1/4 |
| 1.1/2 | 40 | 90 | 215 | 90 | 1.1/2 |
| 2 | 50 | 100 | 240 | 108 | 2 |
| 2.1/2 | 65 | 105 | 280 | 118 | 2.1/2 |
| 3 | 80 | 125 | 310 | 130 | 3 |
| 4 | 100 | 160 | 380 | 163 | 4 |

