



Salient Features

- Design Standard IS 14846 PN1.0 / PN1.6.
- Flanged Ends, Bolted Bonnet, Inside Screw, Non-Rising Stem.
- Handwheel Operated.

Suitable For

- Steam
- Water
- Oil
- Air
- Gases

PN 1.0 - Shell : 1.5 MPa Seat : 1.0 MPa

PN 1.6 - Shell : 2.4 MPa Seat : 1.6 MPa

Materials of Construction

| Name of Part | Material | Specification |
|----------------------|----------------------|-----------------------------|
| Body & Bonnet | Cast Iron | IS 210 Gr. FG 200 |
| Stem | Brass / S.S | IS 6912 Gr. FHTB2 / IS 6603 |
| T-Head Bolt & Nut | Carbon Steel | IS 1367 |
| Gland Packing | Rubber / Hemp & Jute | IS 638-2 / IS 5414 |
| Handwheel | Cast Iron | IS 210 Gr. FG 200 |
| Gland & Thrust Plate | Cast Iron | IS 210 Gr. FG 200 |
| Bolt & Nut | Carbon Steel | IS 1363 |
| Gasket | Rubber | IS 638-2 |
| Washer | Carbon Steel | IS 2062 |
| Stem Nut | Bronze | IS 318 Gr. LTB 2 |
| Wedge | Cast Iron | IS 210 Gr. FG 200 |
| Stuffing Box | Cast Iron | IS 210 Gr. FG 200 |
| Wedge Seat Ring | Bronze | IS 318 Gr. FTB 2 |
| Body Seat Ring | Bronze | IS 318 Gr. FTB 2 |

Sizes / Dimensions

| Inches | mm | A | B | C | D | E |
|--------|-----|-----|------|-----|-----|------|
| 2 | 50 | 178 | 16 | 165 | 225 | 336 |
| 2 1/2 | 65 | 190 | 16 | 185 | 225 | 355 |
| 3 | 80 | 203 | 21 | 200 | 225 | 390 |
| 4 | 100 | 229 | 22 | 220 | 320 | 440 |
| 5 | 125 | 254 | 22.5 | 250 | 320 | 485 |
| 6 | 150 | 267 | 23 | 285 | 320 | 560 |
| 8 | 200 | 292 | 24.5 | 340 | 360 | 690 |
| 10 | 250 | 330 | 26 | 395 | 400 | 795 |
| 12 | 300 | 356 | 27.5 | 445 | 400 | 867 |
| 14 | 350 | 381 | 29 | 505 | 500 | 1020 |
| 16 | 400 | 406 | 30 | 565 | 640 | 1110 |
| 18 | 450 | 432 | 31.5 | 615 | 720 | 1200 |
| 20 | 500 | 457 | 33 | 670 | 720 | 1300 |
| 24 | 600 | 508 | 36 | 780 | 720 | 1500 |

