







1087 Bronze Double Regulating Balancing Valve (Screwed) With Nozzle, PN 16

Salient Features

- Design Standard BS 7350.
- Screwed Female Ends to IS 554 / BS 21 / ISO 7.
- Precise double regulation.
- Tamper proof setting with a lock shield.
- Swift operation with un-breakable Nylon Handwheel.
- Turn Indicator on the Handwheel to help in Line balancing.
- PTFE sealing disc to ensure a proper shut off.
- Provided with Inlet / Outlet pressure test cocks.
- Facilitates system design, hence saves energy.
- Easy to install and set.
- Accentuates systematic commissioning of the plant for an optimal operation.

Test Pressure (Hydrostatic) - Shell : 24 bar (350 psig)
Maximum Operating Pressure (Hydrostatic) : 16 bar (230 psig)

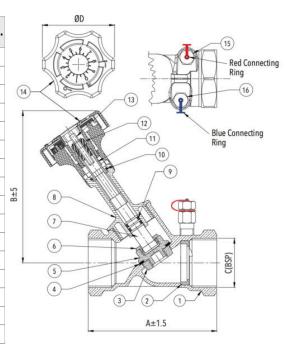
Working Temperature : -10°C to 85°C

Suitable For

Water

Materials

| P.No. | Name of Part | Material of Construction | Specification | Qty. | |
|-------|---------------------|-----------------------------|--------------------------------|------|--|
| 1 | Body | Bronze | IS 318 Gr. LTB2 | 1 | |
| 2 | Retaining Ring | Brass | IS 319 Gr. 2 | 1 | |
| 3 | Disc Guide | Brass | IS 319 Gr. 2 | | |
| 4 | Disc Facing | PTFE / Brass | -/ IS 319 Gr. 2 | | |
| 5 | Disc | Brass | IS 319 Gr. 2 | 1 | |
| 6 | Disc Nut | Brass | IS 319 Gr. 2 | 1 | |
| 7 | Stem | Brass | IS 319 Gr. 2 | 1 | |
| 8 | Bonnet | Brass / Bronze | IS 319 Gr. 2 / IS 318 Gr. LTB2 | | |
| 9 | O-Ring | EPDM | | | |
| 10 | Circlip | Stainless Steel | Type 304 | | |
| 11 | Connecting Rod | Brass | IS 319 Gr. 2 | | |
| 12 | Connecting Screw | Stainless Steel | Type 304 | | |
| 13 | Internal Hex. Screw | Stainless Steel | Type 304 | 1 | |
| 14 | Handwheel Assy. | Nylon | | | |
| 15 | Exhaust Nozzle | Brass | IS 319 Gr. 2 | | |
| 16 | Exhaust Nozzle | Brass | IS 319 Gr. 2 | | |



Sizes / Dimensions

| Size (Inches) | Size (mm) | A ±1.5 | B ±5 | С | ØD |
|---------------|-----------|--------|------|--------|----|
| 1/2 | 15 | 87 | 108 | 1/2″ | 70 |
| 3/4 | 20 | 96 | 110 | 3/4″ | 70 |
| 1 | 25 | 100 | 133 | 1″ | 70 |
| 1.1/4 | 32 | 114 | 133 | 1.1/4″ | 70 |
| 1.1/2 | 40 | 125 | 147 | 1.1/2″ | 70 |
| 2 | 50 | 146 | 149 | 2″ | 70 |

Notes : For sizes 15mm & 20mm, the disc facing shall be of Brass. For sizes 40mm & 50mm, the bonnet shall be of Bronze.

Flow Characteristics Of Balancing Valve