1092 Cast Steel Parallel Slide Blow Off Valve (Flanged)

## Salient Features

- Flanged Ends to BS 10 Table 'J'.
- Maintains fluid tightness and is easy in operation because of sliding action of discs.
- Discs are kept in close contact with body rings by means of a spring when the valve is under pressure.
- Premium Quality lubricated Gland Packing, Bolted Bonnet.
- Valve is operated by means of Rack and Pinion arrangement, in such a manner that valve is opened fully with half turn of the box key.
- Gland forms a locking guard which prevents removal of the key unless the valve is closed.

Test Pressure (Hydrostatic) :
Shell : $48 \mathrm{~kg} / \mathrm{cm}^{2} \mathrm{~g}$ ( 700 psig )
Test Pressure (Steam) :


Seat : $24.50 \mathrm{~kg} / \mathrm{cm}^{2} \mathrm{~g}$ (350 psig)
Maximum Working Temperature : $425^{\circ} \mathrm{C}$

## Suitable For

Steam, Water

## Materials

| P.No. | Name of Part | Material of Construction | Specification | Qty. |
| :---: | :---: | :---: | :---: | :---: |
| 1 | Bonnet | Cast Steel | IBR 73-80 Gr. B | 1 |
| 2 | Rack | Bronze | IBR 282 (a) (iv) Gr. B | 1 |
| 3 | Studs | Alloy Steel | ASTM A 193 Gr. B7 | As Reqd. |
| 4 | Nuts | H.T Steel | ASTM A 194 Gr. 2H | As Reqd. |
| 5 | Body | Cast Steel | IBR 73-80 Gr. B | 1 |
| 6 | Gasket | Steam Joining Sheet | IS 2712 Gr. W/3 | 1 |
| 7 | Body Seat Ring | Stainless Steel | ASTM A 276 Type 410 | 1 |
| 8 | Male Disc | Stainless Steel | ASTM A 276 Type 410 | 1 |
| 9 | Female Disc | Stainless Steel | ASTM A 276 Type 410 | 1 |
| 10 | Spring | Stainless Steel | IS 4454 Part 4 Gr. 2 | 1 |
| 11 | Pinion | Stainless Steel | ASTM A 276 Type 410 | 1 |
| 12 | Nuts | H.T Steel | ASTM A 194 Gr. 2H | As Reqd. |
| 13 | Studs | Alloy Steel | ASTM A 193 Gr. B7 | As Reqd. |
| 14 | Gland | Bronze | IBR 282 (a) (iv) Gr. B | 1 |
| 15 | Gland Packing | Braided Graphite |  | IS 4687 |
| 16 | Stuffing Box | Bronze | IBR 282 (a) (iv) Gr. B | 1 |
| 17 | Gasket | Steam Joining Sheet | IS 2712 Gr. W/3 | 1 |
| 18 | Nuts | Alloy Steel | ASTM A 193 Gr. B7 | As Reqd. |
| 19 | Studs | H.T Steel | ASTM A 194 Gr. 2H | As Reqd. |



## Sizes / Dimensions

| Size (Inches) | Size (mm) | $\mathbf{A} \pm \mathbf{1 . 5}$ | $\mathbf{1 7 8}$ |
| :---: | :---: | :---: | :---: |
| 1 | 25 | 241 | $\mathbf{1 8 0}$ |
| $11 / 4$ | 32 | 267 | 190 |
| $11 / 2$ | 40 | 305 | 220 |
| 2 | 50 | 244 |  |

