**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 kg/cm²g (700 psig)
- Test Pressure (Steam):
  - Seat: 24.50 kg/cm²g (350 psig)

**Maximum Working Temperature:** 425°C

**Suitable For**
Steam, Water

**Materials**

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

**Sizes / Dimensions**

<table>
<thead>
<tr>
<th>Size (Inches)</th>
<th>Size (mm)</th>
<th>A ±1.5</th>
<th>B ~</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>25</td>
<td>178</td>
<td>194</td>
</tr>
<tr>
<td>1 1/4</td>
<td>32</td>
<td>241</td>
<td>210</td>
</tr>
<tr>
<td>1 1/2</td>
<td>40</td>
<td>267</td>
<td>238</td>
</tr>
<tr>
<td>2</td>
<td>50</td>
<td>305</td>
<td>261</td>
</tr>
</tbody>
</table>

ZOLOTO INDUSTRIES
Zoloto House, 11th Milestone, Lambra, Nakodar Road,
Jalandhar – 144026, Punjab, INDIA
https://www.zolotovalves.com
Phones : +91 181 4676666 (100 Lines)
Facsimile: +91 181 2792500 & 2251600
Email : sales@zolotovalves.com, mktg@zolotovalves.com