F491 Swing Check Valve

Class 100

Features & Benefits

• Check valves permit flow in one direction only and close automatically if flow reverses.
• Entirely automatic in action, depending upon pressure and velocity of flow within the line to perform their functions of opening and closing.

Materials

<table>
<thead>
<tr>
<th>NO.</th>
<th>PART</th>
<th>MATERIAL</th>
<th>SIZES</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Body</td>
<td>Cast Iron BS EN 1561 GJL-250</td>
<td>-</td>
</tr>
<tr>
<td>2</td>
<td>Cover</td>
<td>Cast Iron BS EN 1561 GJL-250</td>
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</tr>
<tr>
<td>3</td>
<td>Disc</td>
<td>Cast Iron BS EN 1561 GJL-250</td>
<td>-</td>
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<tr>
<td>4</td>
<td>Body Seat Ring</td>
<td>Bronze BS EN 1982 CC491K</td>
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<tr>
<td>5</td>
<td>Disc Face Ring</td>
<td>Bronze BS EN 1982 CC491K</td>
<td>-</td>
</tr>
<tr>
<td>6</td>
<td>Hinge Pin Bush</td>
<td>Bronze BS EN 1982 CC491K</td>
<td>-</td>
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<tr>
<td>7</td>
<td>Hinge Pin Plug</td>
<td>Bronze BS EN 1982 CC491K</td>
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<tr>
<td>8</td>
<td>Hinge Pin</td>
<td>Stainless Steel Type 304</td>
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<td>9</td>
<td>Hinge Pin</td>
<td>13% CR Steel Type 410</td>
<td>5 - 12</td>
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<tr>
<td>10</td>
<td>Cover Bolt</td>
<td>Steel BS 3692 Grade 8.8</td>
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<td>11</td>
<td>Cover Bolt Nut</td>
<td>Steel BS 3692 Grade 8</td>
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<td>12</td>
<td>Gasket</td>
<td>Asbestos Free Garlock 2850</td>
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<tr>
<td>13</td>
<td>Body Plate</td>
<td>Aluminium</td>
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Dimensions & Weights

<table>
<thead>
<tr>
<th>SIZE (inch)</th>
<th>WEIGHT (kg)</th>
<th>A (mm)</th>
<th>B (mm)</th>
<th>C (mm)</th>
<th>D (mm)</th>
<th>E (mm)</th>
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<tbody>
<tr>
<td>2</td>
<td>11.3</td>
<td>203</td>
<td>152</td>
<td>16</td>
<td>153</td>
<td>113</td>
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<td>15.6</td>
<td>216</td>
<td>178</td>
<td>17</td>
<td>175</td>
<td>126</td>
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<tr>
<td>3</td>
<td>19.3</td>
<td>241</td>
<td>191</td>
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<td>136</td>
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<td>292</td>
<td>229</td>
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<td>495</td>
<td>343</td>
<td>29</td>
<td>365</td>
<td>250</td>
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</table>

PRESSURE RATING: Class 100
TEMPERATURE OPERATING RANGE: -10 to 232°C
UK END CONNECTION: Flanged BS10 Table D or E
OPERATOR: Swing Check Valve

SPECIFICATION: Valves are manufactured in accordance with BS 5153.

Flanges are flat faced and drilled to BS 10 Table D or E. This valve is not suitable for use on Group 1 gases or unstable fluids as defined by the Pressure Equipment Directive 97/23/E.*

* See page 251 for more information.