WaStop® Inline Check Valve Technical Specification
Stainless Steel AISI 316

Model no.: WS146-S2-316
WS146-S3-316
WS146-S4-316

Nominal Size: 6
Pipe: Stainless Steel AISI 316
Membrane: Silicone
Fasteners: Marine grade stainless steel (AISI 316)

Technical data:

<table>
<thead>
<tr>
<th></th>
<th>Soft (S2)</th>
<th>Standard (S3)</th>
<th>Hard (S4)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. back pressure*</td>
<td>9.8 ft H₂O</td>
<td>16.4 ft H₂O</td>
<td>26.2 ft H₂O</td>
</tr>
<tr>
<td>Horizontal opening pressure*</td>
<td>7.4 in H₂O</td>
<td>9.3&quot; in H₂O</td>
<td>10.4&quot; in H₂O</td>
</tr>
<tr>
<td>Horizontal closing pressure*</td>
<td>3.1 in H₂O</td>
<td>3.1&quot; in H₂O</td>
<td>3.5&quot; in H₂O</td>
</tr>
<tr>
<td>Submerged opening pressure*</td>
<td>5.9&quot; in H₂O</td>
<td>6.9&quot; in H₂O</td>
<td>7.9&quot; in H₂O</td>
</tr>
<tr>
<td>Submerged closing pressure*</td>
<td>0.8&quot; in H₂O</td>
<td>1&quot; in H₂O</td>
<td>1.4&quot; in H₂O</td>
</tr>
<tr>
<td>Vertical opening pressure*</td>
<td>9.4&quot; in H₂O</td>
<td>13.8&quot; in H₂O</td>
<td>15.2&quot; in H₂O</td>
</tr>
<tr>
<td>Vertical closing pressure*</td>
<td>4.3&quot; in H₂O</td>
<td>4.7&quot; in H₂O</td>
<td>4.7&quot; in H₂O</td>
</tr>
</tbody>
</table>

*) +/- 15% **) Modeled value
- Values measured from bottom of pipe.
- Tests performed at room temperature (61-68°F).

Max Flow | f/s | GPM
---------|-----|-----
7        |     | 575 |

- Higher flows requires custom valve, contact Wapro
- Flange installation is highly recommended at flows above 6.5 f/s

In the submerged case opening pressure [mmH₂O /inH₂O] is the difference between the water level upstream and the water level downstream and in the open-air case to the invert of the pipe. In vertical applications, the vertical opening pressure is measured from the outlet of the WaStop.