WaStop® Inline Check Valve Technical Specification
Stainless Steel AISI 304/316

Model no.:
WS1585-S3-304/316
WS1585-S4-304/316

Nominal Size:
64

Pipe:
Stainless Steel AISI 304/316

Membrane:
Polyurethane

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>N/A ft H₂O</td>
<td>16.4 ft H₂O</td>
<td>26.7 ft H₂O</td>
</tr>
<tr>
<td>Horizontal opening pressure*</td>
<td>N/A in H₂O</td>
<td>20.1&quot; in H₂O</td>
<td>22.4&quot; in H₂O</td>
</tr>
<tr>
<td>Horizontal closing pressure*</td>
<td>N/A in H₂O</td>
<td>12.4&quot; in H₂O</td>
<td>14&quot; in H₂O</td>
</tr>
<tr>
<td>Submerged opening pressure*</td>
<td>N/A&quot; in H₂O</td>
<td>9.3&quot; in H₂O</td>
<td>10.4&quot; in H₂O</td>
</tr>
<tr>
<td>Submerged closing pressure*</td>
<td>N/A&quot; in H₂O</td>
<td>3.7&quot; in H₂O</td>
<td>4.9&quot; in H₂O</td>
</tr>
<tr>
<td>Vertical opening pressure*</td>
<td>N/A&quot; in H₂O</td>
<td>31.5&quot; in H₂O</td>
<td>30.9&quot; in H₂O</td>
</tr>
<tr>
<td>Vertical closing pressure*</td>
<td>N/A&quot; in H₂O</td>
<td>20.5&quot; in H₂O</td>
<td>20.5&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

<table>
<thead>
<tr>
<th>f/s</th>
<th>GPM</th>
</tr>
</thead>
<tbody>
<tr>
<td>16</td>
<td>159360</td>
</tr>
</tbody>
</table>

- 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 [mH₂O /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.

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HOLDING BACK
THE FLOOD