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

Model no.: N/A 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 in H₂O</td>
<td>22.4 in H₂O</td>
</tr>
<tr>
<td>Horizontal closing pressure*</td>
<td>N/A in H₂O</td>
<td>12.4 in H₂O</td>
<td>14 in H₂O</td>
</tr>
<tr>
<td>Submerged opening pressure*</td>
<td>N/A in H₂O</td>
<td>9.3 in H₂O</td>
<td>10.4 in H₂O</td>
</tr>
<tr>
<td>Submerged closing pressure*</td>
<td>N/A in H₂O</td>
<td>3.7 in H₂O</td>
<td>4.9 in H₂O</td>
</tr>
<tr>
<td>Vertical opening pressure*</td>
<td>N/A in H₂O</td>
<td>31.5 in H₂O</td>
<td>30.9 in H₂O</td>
</tr>
<tr>
<td>Vertical closing pressure*</td>
<td>N/A in H₂O</td>
<td>20.5 in H₂O</td>
<td>20.5 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></th>
<th>f/s</th>
<th>GPM</th>
</tr>
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<tbody>
<tr>
<td>16</td>
<td></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 [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.