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HOLDING BACK
THE FLOOD

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

Model no.: WS440-S2-304/316  WS440-S3-304/316  WS440-S4-304/316
Nominal Size: 18
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>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>7,9 in H₂O</td>
<td>8,7&quot; in H₂O</td>
<td>21,3&quot; in H₂O</td>
</tr>
<tr>
<td>Horizontal closing pressure*</td>
<td>5,3 in H₂O</td>
<td>5,7&quot; in H₂O</td>
<td>7,5&quot; in H₂O</td>
</tr>
<tr>
<td>Submerged opening pressure*</td>
<td>4,9&quot; in H₂O</td>
<td>5,7&quot; in H₂O</td>
<td>6,5&quot; in H₂O</td>
</tr>
<tr>
<td>Submerged closing pressure*</td>
<td>1,6&quot; in H₂O</td>
<td>1,8&quot; in H₂O</td>
<td>2,4&quot; in H₂O</td>
</tr>
<tr>
<td>Vertical opening pressure*</td>
<td>13,6&quot; in H₂O</td>
<td>15,2&quot; in H₂O</td>
<td>16,6&quot; in H₂O</td>
</tr>
<tr>
<td>Vertical closing pressure*</td>
<td>8,1&quot; in H₂O</td>
<td>9,1&quot; in H₂O</td>
<td>9,1&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 | 10 | 7580 |

- 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.