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

Model no.: WS590-S2-304/316  WS590-S3-304/316  WS590-S4-304/316
Nominal Size: 24
Pipe: Stainless Steel AISI 304/316
Membrane: Polyurethane
Fasteners: Marine grade stainless steel (AISI 316)

<table>
<thead>
<tr>
<th>Technical data:</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>
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<tr>
<td>Horizontal opening pressure*:</td>
<td>11.8 in H₂O</td>
<td>14** in H₂O</td>
<td>17.9** in H₂O</td>
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<tr>
<td>Horizontal closing pressure*:</td>
<td>8.3 in H₂O</td>
<td>9.6** in H₂O</td>
<td>12.6** in H₂O</td>
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<tr>
<td>Submerged opening pressure*:</td>
<td>8.1** in H₂O</td>
<td>9.3** in H₂O</td>
<td>10.4** in H₂O</td>
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<tr>
<td>Submerged closing pressure*:</td>
<td>2.6** in H₂O</td>
<td>3** in H₂O</td>
<td>3.9** in H₂O</td>
</tr>
<tr>
<td>Vertical opening pressure*:</td>
<td>15** in H₂O</td>
<td>16.7** in H₂O</td>
<td>18.4** in H₂O</td>
</tr>
<tr>
<td>Vertical closing pressure*:</td>
<td>9.1** in H₂O</td>
<td>10** in H₂O</td>
<td>10** 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 ℓ/s  GPM
13  17945

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

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HOLDING BACK
THE FLOOD