**WaStop® Inline Check Valve Technical Specification**  
**Stainless Steel AISI 316**

**Model no.:**  
WS101-S2-316  
WS101-S3-316  
WS101-S4-316

**Nominal Size:**  4

**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>5.9 in H₂O</td>
<td>8.1** in H₂O</td>
<td>11.2** in H₂O</td>
</tr>
<tr>
<td>Horizontal closing pressure*</td>
<td>2.6 in H₂O</td>
<td>2.8** in H₂O</td>
<td>3.1** in H₂O</td>
</tr>
<tr>
<td>Submerged opening pressure*</td>
<td>5.3** in H₂O</td>
<td>6.1** in H₂O</td>
<td>6.9** in H₂O</td>
</tr>
<tr>
<td>Submerged closing pressure*</td>
<td>0.6** in H₂O</td>
<td>0.8** in H₂O</td>
<td>1** in H₂O</td>
</tr>
<tr>
<td>Vertical opening pressure*</td>
<td>8.3** in H₂O</td>
<td>9.8** in H₂O</td>
<td>10.8** in H₂O</td>
</tr>
<tr>
<td>Vertical closing pressure*</td>
<td>3.1** in H₂O</td>
<td>3.5** in H₂O</td>
<td>3.5** 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>f/s</th>
<th>GPM</th>
</tr>
</thead>
<tbody>
<tr>
<td>7</td>
<td>320</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.