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

Model no.:  
WS490-S2-304/316  WS490-S3-304/316  WS490-S4-304/316

Nominal Size:  
20

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>
</tr>
<tr>
<td>Horizontal opening pressure*:</td>
<td>9,7 in H₂O</td>
<td>10,6** in H₂O</td>
<td>14,6** in H₂O</td>
</tr>
<tr>
<td>Horizontal closing pressure*:</td>
<td>6,5 in H₂O</td>
<td>7,1** in H₂O</td>
<td>7,3** in H₂O</td>
</tr>
<tr>
<td>Submerged opening pressure*:</td>
<td>6,3** in H₂O</td>
<td>7,3** in H₂O</td>
<td>8,3** in H₂O</td>
</tr>
<tr>
<td>Submerged closing pressure*:</td>
<td>2** in H₂O</td>
<td>2,2** in H₂O</td>
<td>2,8** in H₂O</td>
</tr>
<tr>
<td>Vertical opening pressure*:</td>
<td>14,2** in H₂O</td>
<td>15,7** in H₂O</td>
<td>17,2** in H₂O</td>
</tr>
</tbody>
</table>
| Vertical closing pressure*: | 8,5** in H₂O | 9,4** in H₂O | 9,4** in H₂O |}

*) +/- 15%  **) Modeled value
- Values measured from bottom of pipe.
- Tests performed at room temperature (61-68°F).

<table>
<thead>
<tr>
<th>Max Flow</th>
<th>ft/s</th>
<th>CPM</th>
</tr>
</thead>
<tbody>
<tr>
<td>13</td>
<td>12460</td>
<td></td>
</tr>
</tbody>
</table>

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

Postal address
Wapro AB
Munkahusvägen 103
SE-374 31 Karlshamn
SWEDEN

Tel: +46 454 185 10
Fax: +46 454 123 38
email: wapro@wapro.se
Website: www.wapro.se

Reg.nr: 556352-1466
Registered office: Karlshamn, Sweden
VAT nr: SE 556 352 146604