

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

**Model no.:** WS985-S2-304/316    WS985-S3-304/316    WS985-S4-304/316  
**Nominal Size:** 40  
**Pipe:** Stainless Steel AISI 304/316  
**Membrane:** Polyurethane  
**Fasteners:** Marine grade stainless steel (AISI 316)

Technical data:	Soft (S2)	Standard (S3)	Hard (S4)
Max. back pressure*:	9,8 ft H <sub>2</sub> O	16,4 ft H <sub>2</sub> O	26,2 ft H <sub>2</sub> O
Horizontal opening pressure*:	13 in H <sub>2</sub> O	15,8** in H <sub>2</sub> O	17,7** in H <sub>2</sub> O
Horizontal closing pressure*:	7,13 in H <sub>2</sub> O	10,3** in H <sub>2</sub> O	11,6** in H <sub>2</sub> O
Submerged opening pressure*:	7,2** in H <sub>2</sub> O	8,3** in H <sub>2</sub> O	9,3** in H <sub>2</sub> O
Submerged closing pressure*:	4,4** in H <sub>2</sub> O	5** in H <sub>2</sub> O	5,7** in H <sub>2</sub> O
Vertical opening pressure*:	15,9** in H <sub>2</sub> O	17,7** in H <sub>2</sub> O	19,5** in H <sub>2</sub> O
Vertical closing pressure*:	9,6** in H <sub>2</sub> O	10,6** in H <sub>2</sub> O	10,6** in H <sub>2</sub> O

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

Max Flow	f/s	GPM
	13	49805

- 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 [mmH<sub>2</sub>O / inH<sub>2</sub>O] 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**