



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

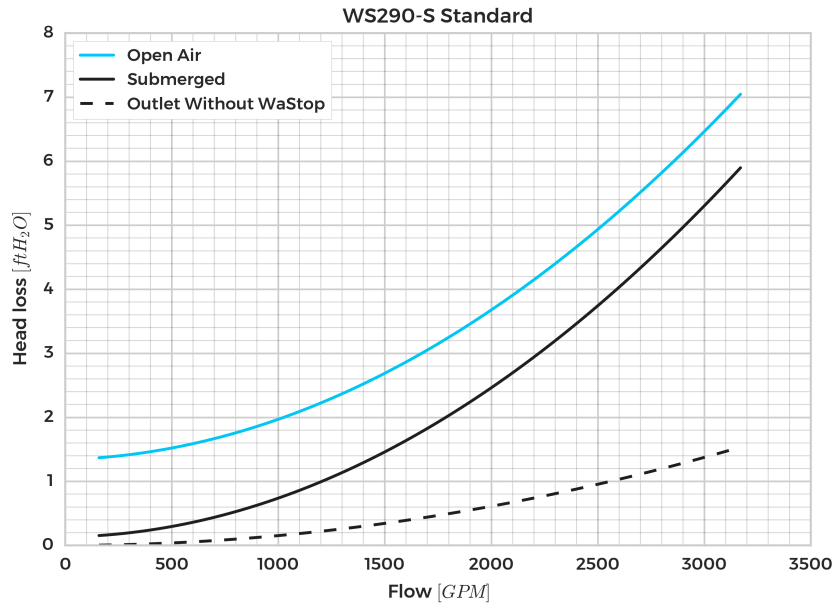
**Model no.:** WS290-S2-304/316    WS290-S3-304/316    WS290-S4-304/316  
**Nominal Size:** 12  
**Pipe:** Stainless Steel AISI 304/316  
**Membrane:** Polyurethane  
**Fasteners:** Marine grade stainless steel (AISI 316)

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*:	7,9 in H <sub>2</sub> O	8,5** in H <sub>2</sub> O	10,2** in H <sub>2</sub> O
Horizontal closing pressure*:	5,51 in H <sub>2</sub> O	6** in H <sub>2</sub> O	7,6** in H <sub>2</sub> O
Submerged opening pressure*:	5,4** in H <sub>2</sub> O	6,2** in H <sub>2</sub> O	7** in H <sub>2</sub> O
Submerged closing pressure*:	2,8** in H <sub>2</sub> O	3,2** in H <sub>2</sub> O	3,5** in H <sub>2</sub> O
Vertical opening pressure*:	11,9** in H <sub>2</sub> O	13,2** in H <sub>2</sub> O	14,6** in H <sub>2</sub> O
Vertical closing pressure*:	7** in H <sub>2</sub> O	7,8** in H <sub>2</sub> O	7,8** 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
	10	3395

- 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**