

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

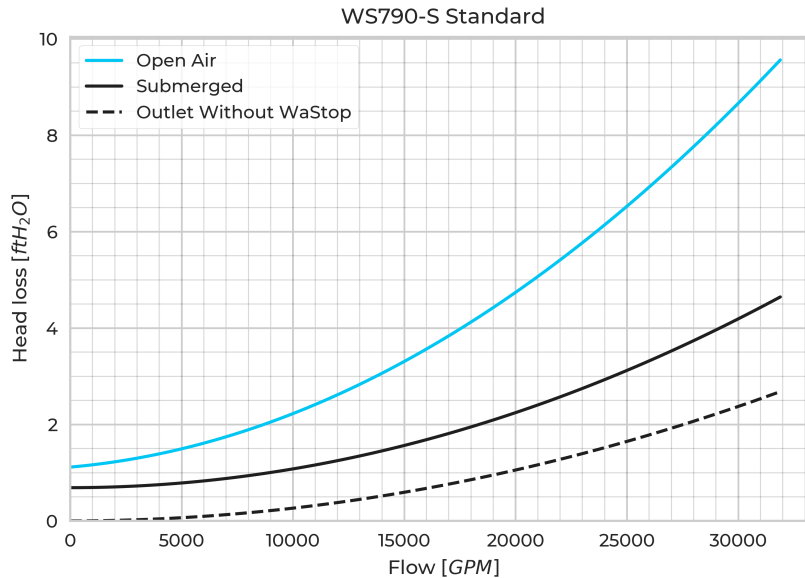
<b>Model no.:</b>	WS790-S2-304/316	WS790-S3-304/316	WS790-S4-304/316
<b>Nominal Size:</b>	32		
<b>Pipe:</b>	Stainless Steel AISI 304/316		
<b>Membrane:</b>	Polyurethane		
<b>Fasteners:</b>	Marine grade stainless steel (AISI 316)		

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*:	9,8 in H <sub>2</sub> O	13,4** in H <sub>2</sub> O	15** in H <sub>2</sub> O
Horizontal closing pressure*:	6,9 in H <sub>2</sub> O	9,1** in H <sub>2</sub> O	10** in H <sub>2</sub> O
Submerged opening pressure*:	7,3** 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*:	2,4** in H <sub>2</sub> O	2,8** in H <sub>2</sub> O	3,5** in H <sub>2</sub> O
Vertical opening pressure*:	16,9** in H <sub>2</sub> O	18,9** in H <sub>2</sub> O	20,7** in H <sub>2</sub> O
Vertical closing pressure*:	10,2** in H <sub>2</sub> O	11,4** in H <sub>2</sub> O	11,4** 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	31895

- 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.