

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

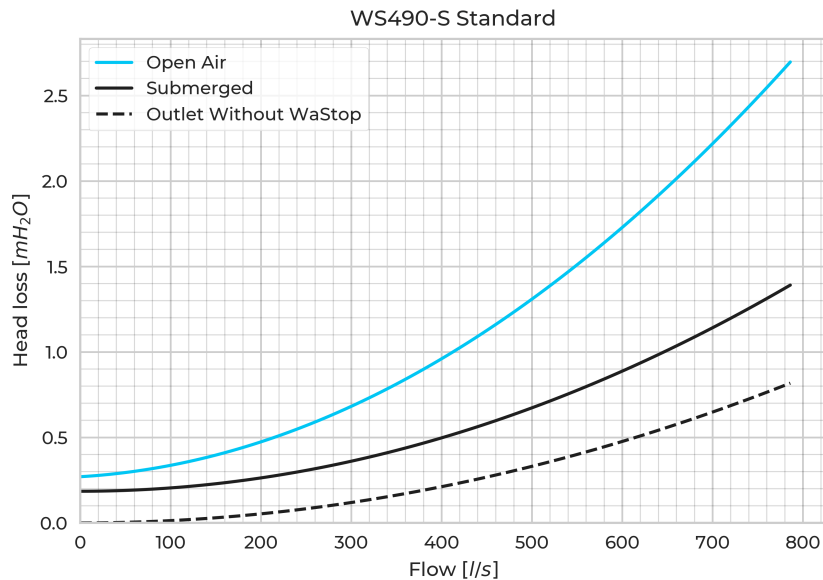
<b>Model no.:</b>	WS490-S2-304/316	WS490-S3-304/316	WS490-S4-304/316
<b>Nominal Size:</b>	500 mm		
<b>Pipe:</b>	Stainless Steel AISI 304/316		
<b>Membrane:</b>	Polyurethane		
<b>Fasteners:</b>	Marine grade stainless steel (AISI 316)		

Technical data:	Soft (S2)	Standard (S3)	Hard (S4)
Max. back pressure*:	3 mH <sub>2</sub> O	5 mH <sub>2</sub> O	8 mH <sub>2</sub> O
Horizontal opening pressure*:	245 mmH <sub>2</sub> O	270** mmH <sub>2</sub> O	370** mmH <sub>2</sub> O
Horizontal closing pressure*:	165 mmH <sub>2</sub> O	180** mmH <sub>2</sub> O	185** mmH <sub>2</sub> O
Submerged opening pressure*:	160** mmH <sub>2</sub> O	185** mmH <sub>2</sub> O	210** mmH <sub>2</sub> O
Submerged closing pressure*:	50** mmH <sub>2</sub> O	55** mmH <sub>2</sub> O	70** mmH <sub>2</sub> O
Vertical opening pressure*:	360 mmH <sub>2</sub> O	400** mmH <sub>2</sub> O	437** mmH <sub>2</sub> O
Vertical closing pressure*:	215** mmH <sub>2</sub> O	240** mmH <sub>2</sub> O	262** mmH <sub>2</sub> O

\*) +/- 15% \*\*) Modeled value  
 - Values measured from bottom of pipe.  
 - Tests performed at room temperature (16-20°C).

Max Flow	m/s	l/s
	4	786

- Higher flows requires custom valve, contact Wapro  
 - Flange installation is highly recommended at flows above 2 m/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.