

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

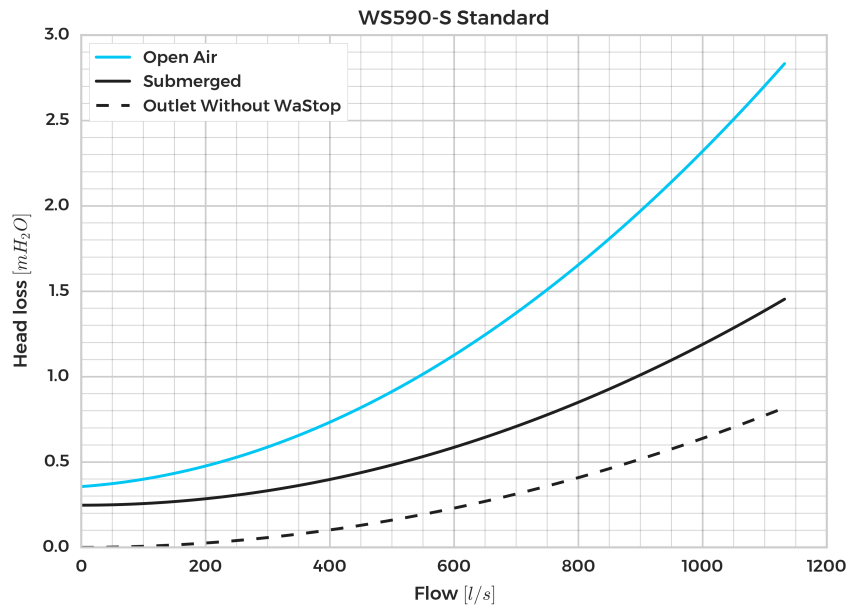
Model no.:	WS590-S2-304/316	WS590-S3-304/316	WS590-S4-304/316
Nominal Size:	600 mm		
Pipe:	Stainless Steel AISI 304/316		
Membrane:	Polyurethane		
Fasteners:	Marine grade stainless steel (AISI 316)		

Technical data:	Soft (S2)	Standard (S3)	Hard (S4)
Max. back pressure*:	3 mH ₂ O	5 mH ₂ O	8 mH ₂ O
Horizontal opening pressure*:	295 mmH ₂ O	356** mmH ₂ O	440** mmH ₂ O
Horizontal closing pressure*:	208 mmH ₂ O	247** mmH ₂ O	300** mmH ₂ O
Submerged opening pressure*:	192** mmH ₂ O	221** mmH ₂ O	248** mmH ₂ O
Submerged closing pressure*:	105** mmH ₂ O	120** mmH ₂ O	135** mmH ₂ O
Vertical opening pressure*:	382 mmH ₂ O	425** mmH ₂ O	467** mmH ₂ O
Vertical closing pressure*:	230** mmH ₂ O	255** mmH ₂ O	281** mmH ₂ 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	1132

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