

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

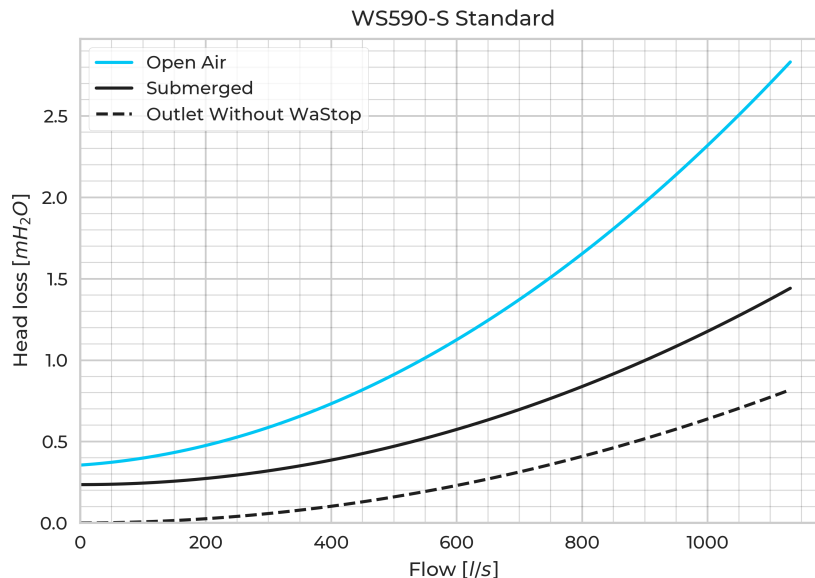
Model no.:	WS590-S2-304/316-SH WS590-S3-304/316-SH WS590-S4-304/316-SH
Nominal Size:	600 mm
Pipe:	Stainless Steel AISI 304/316
Membrane:	Polyurethane
Fasteners:	Marine grade stainless steel (AISI 316)

Technical data:	Soft (S2)	Standard (S3)	Hard (S4)
Max. back pressure*:	2 mH ₂ O	3 mH ₂ O	3 mH ₂ O
Horizontal opening pressure*:	300 mmH ₂ O	355** mmH ₂ O	455** mmH ₂ O
Horizontal closing pressure*:	210 mmH ₂ O	245** mmH ₂ O	320** mmH ₂ O
Submerged opening pressure*:	205** mmH ₂ O	235** mmH ₂ O	265** mmH ₂ O
Submerged closing pressure*:	65** mmH ₂ O	75** mmH ₂ O	100** mmH ₂ O
Vertical opening pressure*:	380 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.