



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:	300 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 mmH ₂ O	5 mmH ₂ O	8 mmH ₂ O
Horizontal opening pressure*:	201 mmH ₂ O	215** mmH ₂ O	260** mmH ₂ O
Horizontal closing pressure*:	140 mmH ₂ O	152** mmH ₂ O	193** mmH ₂ O
Submerged opening pressure*:	138** mmH ₂ O	158** mmH ₂ O	177** mmH ₂ O
Submerged closing pressure*:	70** mmH ₂ O	81** mmH ₂ O	90** mmH ₂ O
Vertical opening pressure*:	303 mmH ₂ O	336** mmH ₂ O	370** mmH ₂ O
Vertical closing pressure*:	177** mmH ₂ O	197** mmH ₂ O	216** mmH ₂ O

*) +/- 15% **) Modeled value

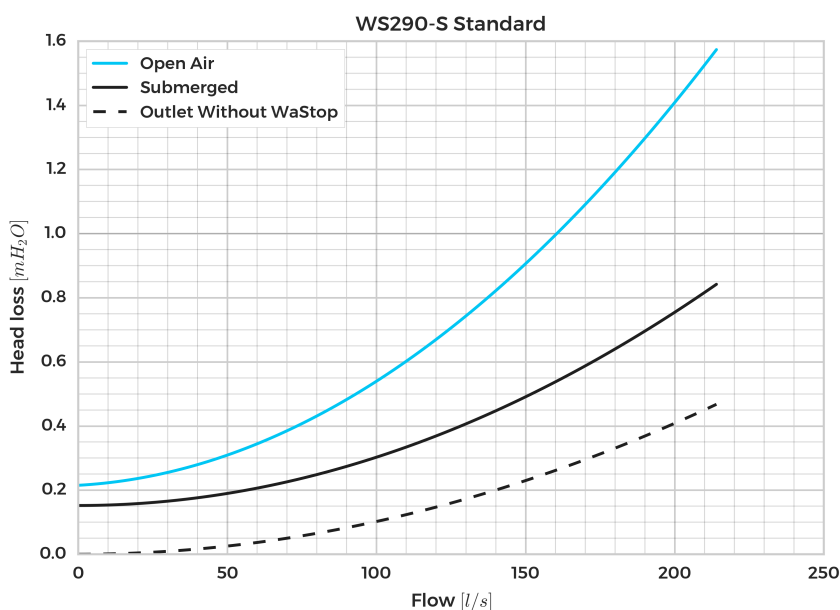
- Values measured from bottom of pipe.

- Tests performed at room temperature (16-20 °C).

Max Flow	m/s	l/s
	3	214

- 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.

