

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

Model no.:	WS490-S2-304/316	WS490-S3-304/316	WS490-S4-304/316
Nominal Size:	500 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*:	270 mmH ₂ O	234** mmH ₂ O	370** mmH ₂ O
Horizontal closing pressure*:	179 mmH ₂ O	153** mmH ₂ O	184** mmH ₂ O
Submerged opening pressure*:	146** mmH ₂ O	168** mmH ₂ O	188** mmH ₂ O
Submerged closing pressure*:	76** mmH ₂ O	88** mmH ₂ O	98** mmH ₂ O
Vertical opening pressure*:	358 mmH ₂ O	398** mmH ₂ O	437** mmH ₂ O
Vertical closing pressure*:	214** mmH ₂ O	238** mmH ₂ O	262** 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	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 [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.