



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

Model no.:	WS440-S2-304/316	WS440-S3-304/316	WS440-S4-304/316
Nominal Size:	450 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*:	200 mmH ₂ O	205** mmH ₂ O	427** mmH ₂ O
Horizontal closing pressure*:	134 mmH ₂ O	137** mmH ₂ O	165** mmH ₂ O
Submerged opening pressure*:	117** mmH ₂ O	135** mmH ₂ O	151** mmH ₂ O
Submerged closing pressure*:	60** mmH ₂ O	69** mmH ₂ O	78** mmH ₂ O
Vertical opening pressure*:	346 mmH ₂ O	384** mmH ₂ O	422** mmH ₂ O
Vertical closing pressure*:	206** mmH ₂ O	229** mmH ₂ O	252** mmH ₂ O

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

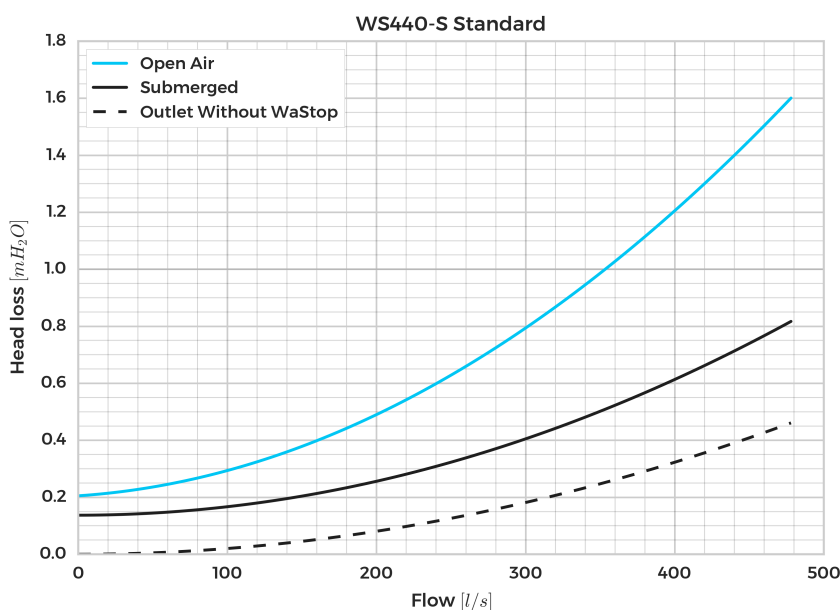
- Values measured from bottom of pipe.

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

Max Flow	m/s	l/s
	3	478

- 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.

