

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

Model no.:	WS1040-S2-304/316	WS1040-S3-304/316	WS1040-S4-304/316
Nominal Size:	42		
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*:	9,8 ft H ₂ O	16,4 ft H ₂ O	26,2 ft H ₂ O
Horizontal opening pressure*:	19,9 in H ₂ O	22,8** in H ₂ O	25,6** in H ₂ O
Horizontal closing pressure*:	12,33 in H ₂ O	14,2** in H ₂ O	15,9** in H ₂ O
Submerged opening pressure*:	7,7** in H ₂ O	8,9** in H ₂ O	9,6** in H ₂ O
Submerged closing pressure*:	4,6** in H ₂ O	5,3** in H ₂ O	6,1** in H ₂ O
Vertical opening pressure*:	19,7** in H ₂ O	20,9** in H ₂ O	22,4** in H ₂ O
Vertical closing pressure*:	11,8** in H ₂ O	13,4** in H ₂ O	13,4** in H ₂ O

*) +/- 15% **) Modeled value
- Values measured from bottom of pipe.
- Tests performed at room temperature (61-68°F).

Max Flow	f/s	GPM
	13	54905

- Higher flows requires custom valve, contact Wapro
- Flange installation is highly recommended at flows above 6.5 f/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.