

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:	20		
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*:	10,6 in H ₂ O	9,2** in H ₂ O	14,6** in H ₂ O
Horizontal closing pressure*:	7,05 in H ₂ O	6** in H ₂ O	7,2** in H ₂ O
Submerged opening pressure*:	5,7** in H ₂ O	6,6** in H ₂ O	7,4** in H ₂ O
Submerged closing pressure*:	3** in H ₂ O	3,5** in H ₂ O	3,9** in H ₂ O
Vertical opening pressure*:	14,1** in H ₂ O	15,7** in H ₂ O	17,2** in H ₂ O
Vertical closing pressure*:	8,4** in H ₂ O	9,4** in H ₂ O	9,4** 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	12460

- 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.