

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

**Model no.:** WS690-S2-304/316-sh WS690-S3-304/316-sh WS690-S4-304/316-sh  
**Nominal Size:** 700 mm  
**Pipe:** Stainless Steel AISI 304/316  
**Membrane:** Polyurethane  
**Fasteners:** Marine grade stainless steel (AISI 316)

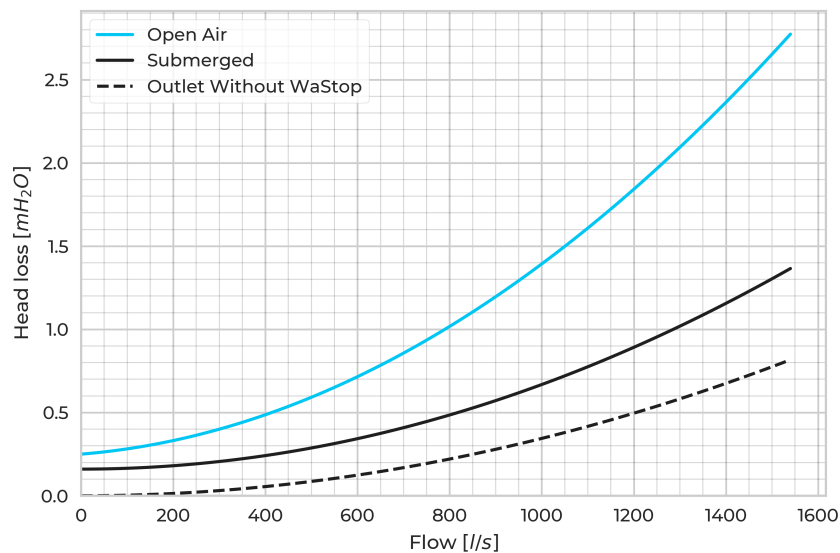
Technical data:	Soft (S2)	Standard (S3)	Hard (S4)
Max. back pressure*:	2 mH <sub>2</sub> O	3 mH <sub>2</sub> O	3 mH <sub>2</sub> O
Horizontal opening pressure*:	215 mmH <sub>2</sub> O	250** mmH <sub>2</sub> O	280** mmH <sub>2</sub> O
Horizontal closing pressure*:	135 mmH <sub>2</sub> O	155** mmH <sub>2</sub> O	175** mmH <sub>2</sub> O
Submerged opening pressure*:	140** mmH <sub>2</sub> O	160** mmH <sub>2</sub> O	180** mmH <sub>2</sub> O
Submerged closing pressure*:	40** mmH <sub>2</sub> O	45** mmH <sub>2</sub> O	60** mmH <sub>2</sub> O
Vertical opening pressure*:	405 mmH <sub>2</sub> O	450** mmH <sub>2</sub> O	497** mmH <sub>2</sub> O
Vertical closing pressure*:	245** mmH <sub>2</sub> O	275** mmH <sub>2</sub> O	300** mmH <sub>2</sub> 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	1540

- Higher flows requires custom valve, contact Wapro  
 - Flange installation is highly recommended at flows above 2 m/s

WS690-S Short



In the submerged case opening pressure [mmH<sub>2</sub>O / inH<sub>2</sub>O] 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.

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HOLDING BACK  
 THE FLOOD