



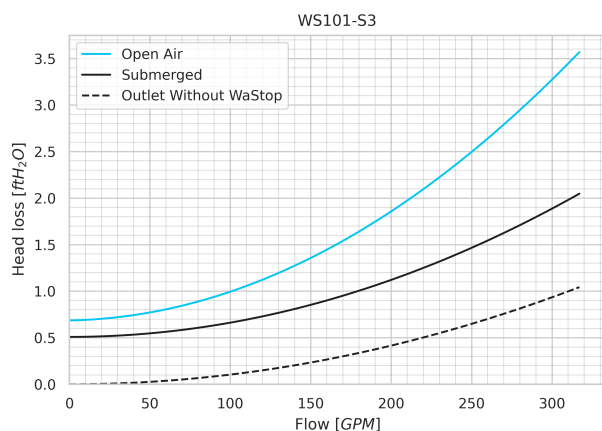
# WASTOP® INLINE CHECK VALVE

## TECHNICAL SPECIFICATION

Model no.	WS101
Nominal Pipe Size	NPS 4
Available valve body mtrl.	AISI 316, Marine grade Stainless Steel
Fasteners mtrl.	AISI 316, Marine grade Stainless Steel
Valve body length	8.50 in
Valve body diameter	3.90 in
Host pipe min.diameter	4 in
Host pipe max.diameter	4.40 in
Weight	2 lb
Max flow (velocity)	6.60 fps
Max flow (volumetric)	317 gpm

Membrane	S2	S3	S4
Max Back pressure (ft <sub>2</sub> O<)	9.80	16.40	26.20
Horizontal opening pressure (inH <sub>2</sub> O)	6.20	7.30	11.80
Horizontal closing pressure (inH <sub>2</sub> O)	2.60	2.80	3.50
Submerged opening pressure (inH <sub>2</sub> O)	5.30	6.10	6.90
Submerged closing pressure (inH <sub>2</sub> O)	0.60	0.80	1
Vertical opening pressure (inH <sub>2</sub> O)	8.30	9.80	10.80
Vertical closing pressure (inH <sub>2</sub> O)	3.10	3.50	3.90
Available membrane mtrl.	MVQ Silicone	MVQ Silicone	MVQ Silicone

- Tests performed at room temperature (16-20°C).
- Actual values may vary within +/- 15%.
- Reference point measured from bottom of pipe.
- 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 [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 inverted pipe.  
In vertical applications, the vertical opening pressure is measured from the outlet of the WaStop.