



## Stainless Steel AISI 316

<b>Model no.:</b>	WS390-S2-316	WS390-S3-316	WS390-S4-316
<b>Nominal Size:</b>	400 mm for Pipe ID 392 - 404mm		
<b>Pipe:</b>	Stainless Steel AISI 316		
<b>Membrane:</b>	Polyurethane		
<b>Fasteners:</b>	Marine grade stainless steel (AISI 316)		

Technical data:	Soft (S2)	Standard (S3)	Hard (S4)
Max. back pressure*:	3 mH <sub>2</sub> O	5 mH <sub>2</sub> O	8 mH <sub>2</sub> O
Horizontal opening pressure*:	313 mmH <sub>2</sub> O	324** mmH <sub>2</sub> O	389** mmH <sub>2</sub> O
Horizontal closing pressure*:	186 mmH <sub>2</sub> O	213** mmH <sub>2</sub> O	230** mmH <sub>2</sub> O
Submerged opening pressure*:	181** mmH <sub>2</sub> O	208** mmH <sub>2</sub> O	233** mmH <sub>2</sub> O
Submerged closing pressure*:	84** mmH <sub>2</sub> O	97** mmH <sub>2</sub> O	108** mmH <sub>2</sub> O
Vertical opening pressure*:	350 mmH <sub>2</sub> O	420** mmH <sub>2</sub> O	462** mmH <sub>2</sub> O
Vertical closing pressure*:	265** mmH <sub>2</sub> O	290** mmH <sub>2</sub> O	319** 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
	3	378

- Higher flows requires custom valve, contact Wapro  
 - Flange installation is highly recommended at flows above 2 m/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 invert of the pipe. In vertical applications, the vertical opening pressure is measured from the outlet of the WaStop.

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