

## WaStop® Inline Check Valve Technical Specification PVC

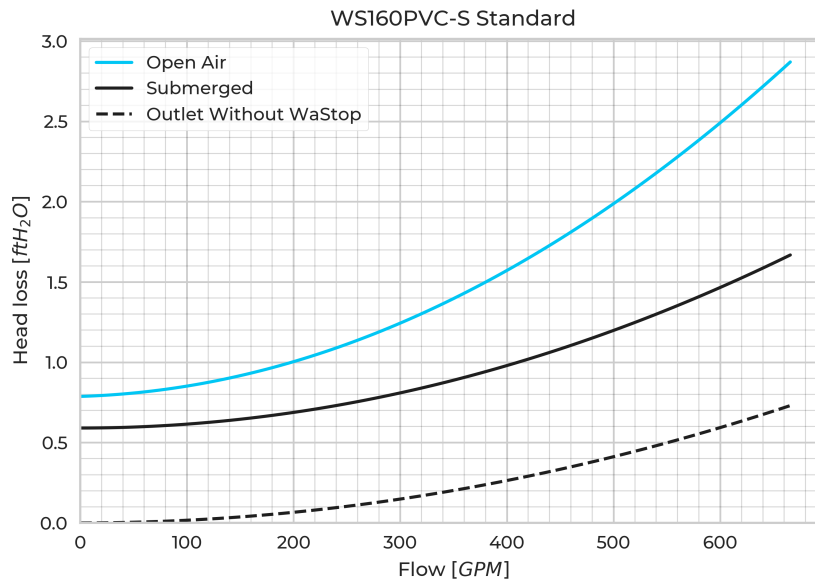
|                      |   |             |             |
|----------------------|---|-------------|-------------|
| <b>Model no.:</b>    | WS160PVC-S2                             | WS160PVC-S3 | WS160PVC-S4 |
| <b>Nominal Size:</b> | 6                                       |             |             |
| <b>Pipe:</b>         | PVC                                     |             |             |
| <b>Membrane:</b>     | Silicone                                |             |             |
| <b>Fasteners:</b>    | Marine grade stainless steel (AISI 316) |             |             |

| Technical data:               | Soft (S2)                 | Standard (S3)              | Hard (S4)                  |
|-------------------------------|---------------------------|----------------------------|----------------------------|
| Max. back pressure*:          | 9,8 ft H <sub>2</sub> O   | 16,4 ft H <sub>2</sub> O   | 26,2 ft H <sub>2</sub> O   |
| Horizontal opening pressure*: | 8,5 in H <sub>2</sub> O   | 10,4** in H <sub>2</sub> O | 13,8** in H <sub>2</sub> O |
| Horizontal closing pressure*: | 3,5 in H <sub>2</sub> O   | 3,3** in H <sub>2</sub> O  | 3,9** in H <sub>2</sub> O  |
| Submerged opening pressure*:  | 6,1** in H <sub>2</sub> O | 7,1** in H <sub>2</sub> O  | 8,1** in H <sub>2</sub> O  |
| Submerged closing pressure*:  | 0,8** in H <sub>2</sub> O | 1** in H <sub>2</sub> O    | 1,4** in H <sub>2</sub> O  |
| Vertical opening pressure*:   | 9,3** in H <sub>2</sub> O | 10,4** in H <sub>2</sub> O | 11,4** in H <sub>2</sub> O |
| Vertical closing pressure*:   | 4,9** in H <sub>2</sub> O | 5,5** in H <sub>2</sub> O  | 5,5** in H <sub>2</sub> O  |

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

| Max Flow | f/s | GPM |
|----------|-----|-----|
|          | 7   | 670 |

- 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 invert of the pipe. In vertical applications, the vertical opening pressure is measured from the outlet of the WaStop.