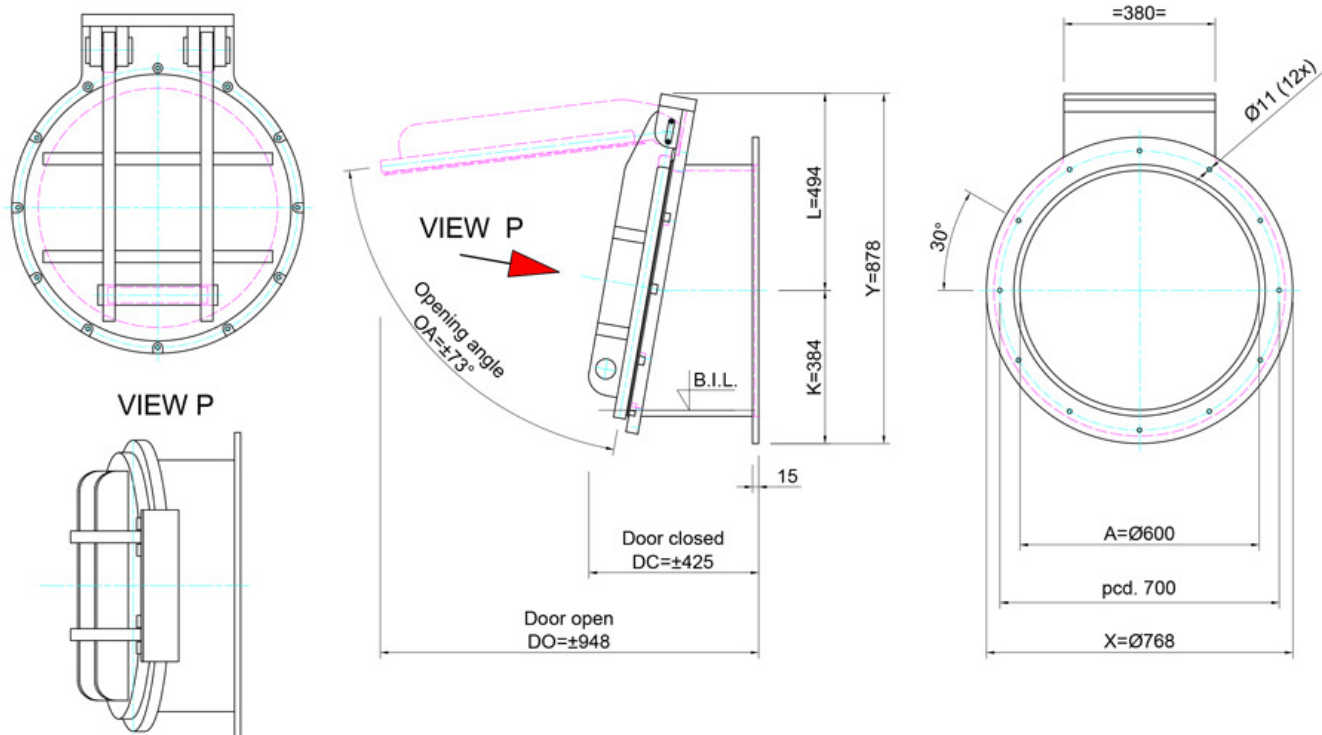


600mm Tidal Flap Valve

HDPE Tidal Flap Valves

Tidal flap valves are recommended for use below the waterline and in tidal applications. Our tidal flap valves are typically installed below the normal water level to prevent back flow up a pipe. Althon tidal flap valves are suitable for use with a water pressure of 5 MWC for 72 hours and 1 MWC for 50 years. The flap valve is HDPE with HDPE ribs and can be further reinforced where necessary with stainless steel. We offer a range of standard sizes from 150mm to 2000mm and can quote for bespoke sizes as required. We can also offer rectangular tidal flap valves on request.

- 10mm opening pressure even when submerged
- Lightweight, easy to install and handle
- Maintenance free, occasional inspections recommended
- Adaptable to meet site specific pressure or installation demands
- 50 years operational life


[PDF Download](#)
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Materials: HDPE, SS316, EPDM

The flap valve is HDPE with HDPE ribs and can be further reinforced where necessary with stainless steel

Opening: Ø600mm

Unit weight: 45Kg

Max load from bottom invert level (B.I.L): 1.6 MWC long period (50 years)

5 MWC short period (72 hours)

Number of chemical anchors M8: 12 pieces

The valve plate and the back plate are manufactured in HDPE. The hinge pin and ballast weight are manufactured in SS316 as standard. The ballast weight can be easily adjusted if required. The sealing arrangement consists of an EPDM lips seal in the back plate. The valve plate is also installed on an angle in relation to the back plate to ensure a good seal.

Please note drawing is for visual purposes only and not to scale

All dimensions in millimetres

Precast Headwalls
Channel Drainage
Flap Valves
Cast Iron Flaps Valves

Penstocks
High Capacity Drainage Channel
Wastop Valves
Tideflex Valves
Concrete Drainage Channel

Stop Logs
Pipe Safety Chains
Precast Inspection Chambers

