



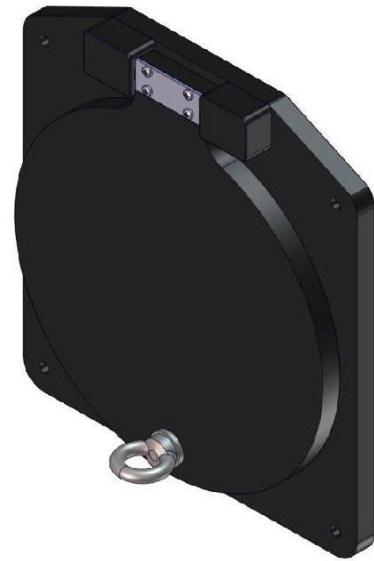
HDPE Flap Valves

Application

The primary application of flap valves is for surface water drainage associated with rivers, estuaries and sea water outfalls to prevent reverse flow conditions. Flap valves can be utilised on final effluent outfalls for sewage treatment plant to prevent flood damage within the works

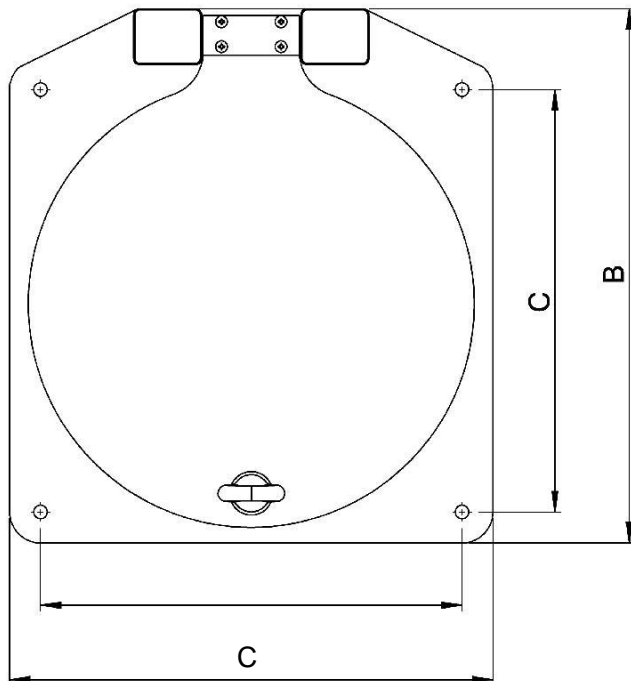
Installation

Installation of the flap valve can be done with M10 chemical anchor or with impact anchors



Why HDPE?

	HDPE	Cast Iron	Stainless Steel
Durable	✓	✓	✓
Weight	1x	8x	8x
Low headloss!	✓		



Materials

Frame	HDPE - 300
Valve	HDPE - 300
Sealing	EPDM
Valve axle	Stainless Steel AISI 316
Bolts and nuts	Class A4

Dimensions

Flow Section	A	B	C	Weight (kg)
100	190	230	140	1.5
150	240	280	190	3.5
200	290	330	240	4.5
250	340	380	290	5.5
300	390	430	340	6.5

Pressure

Flow Section	Max Pressure
100	1.5 Bar (15 meter water column)
150	1.5 Bar (15 meter water column)
200	1.5 Bar (15 meter water column)
250	1.5 Bar (15 meter water column)
300	1.5 Bar (15 meter water column)

