



HDPE Flap Valves

Application

The primary application of flap valves is 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)
400	660	660	600	7
500	760	760	700	9
600	860	860	800	12

Pressure

Flow Section	Max Pressure
400	0.6 Bar (6 meter water column)
500	0.4 Bar (4 meter water column)
600	0.3 Bar (3 meter water column)

