



ACO. creating
the future of drainage

ACO V-Septor – Hydrodynamic Separator

The ACO V-Septor is an advanced hydrodynamic separator that removes sediment bound contaminants. Its design enables removal of pollutants by means of settlement and the capture of floatables.

The ACO V-Septor is available in a range of sizes to accommodate small to large sites and can be custom made for demanding installations.

The ACO V-Septor retains solid pollution and oil. It also forms part of the SuDS management train as it removes over 50% of fine Total Suspended Solids as well as sediment bound metals and hydrocarbons.

Benefits

- Removes solid pollution – from plastic rubbish to fine silt
- Forms part of the SuDS management train
- Delivered fitted in a HDPE chamber with lifting eyes, and straps supplied for ease of installation
- Easily accessible for maintenance



ACO V-Septor

Hydrocarbons		Total suspended solids	Metals
0.5		0.5	0.4
Liquid hydrocarbons	Sediment bound hydrocarbons		
0.8	0.5		

Details available on request

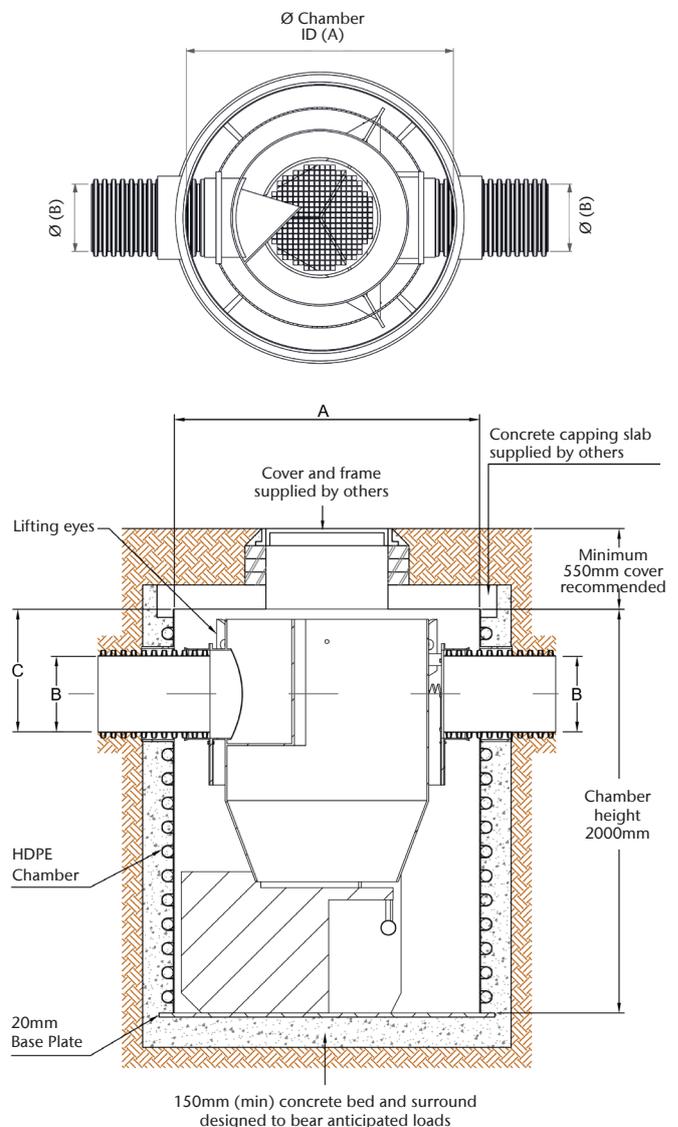
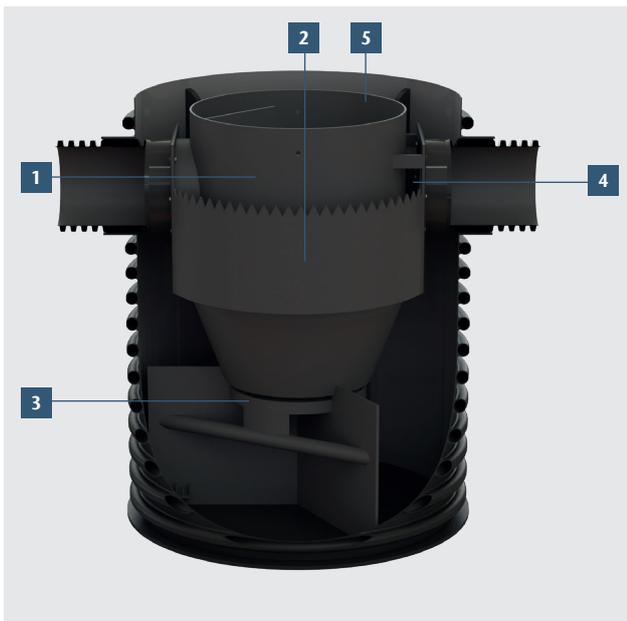




Product name	Product code	Chamber diameter (A)	Pipe connections (B)	Top to invert (C)	Sediment storage capacity	Oil / debris storage capacity	Typical treatment flow rate (fine)	Typical treatment flow rate (coarse)	Typical non remobilisation flow rate (coarse)
		mm	mm	mm	m ³	l	l/s	l/s	l/s
ACO V-Septor - Hydrodynamic Separator Range									
V-Septor 750	40995	750	150	375	0.4	49	11	14	37
V-Septor 1000	41000	1050	225	483	0.6	335	20	25	67
V-Septor 1200	41003	1200	300	550	0.86	397	29	37	98
V-Septor 1500	41005	1500	375	608	1.2	785	45	57	151
V-Septor 2000	41009	2100	500	700	2.2	1130	80	102	269
V-Septor 2500	41013	2400	600	850	3.5	2010	125	159	421

How it works

- 1 The deflection plate directs the incoming stormwater to create a vertical vortex.
- 2 Suspended solids settle down in the sludge chamber. Light liquids and debris are captured at the surface.
- 3 Radial flow baffles create isolated zones to retain sediments in the sludge chamber and prevent remobilisation of sediments during peak flow events.
- 4 Cleaned water flows up the outer chamber and over the balancing weir and then passes through the outlet to discharge to the water environment.
- 5 Captured solids and debris can easily be removed by suction hose during maintenance.



ACO Water Management Contacts:

Sales: uk-swc@aco.co.uk
 Technical: technical@aco.co.uk
 Tel: 01462 816666

www.aco.co.uk

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