



ACO. creating
the future of drainage

ACO V-Septor – Hydrodynamic Separator

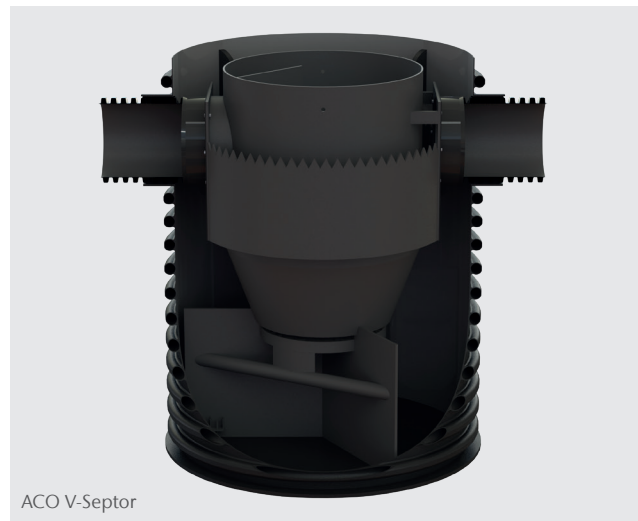
The ACO V-Septor is an advanced hydrodynamic separator that removes sediment bound contaminants. Its design enables removal of pollutants by means of settlement and the capture of floatables.

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



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

Details available on request



V-Septor 750



V-Septor 1000



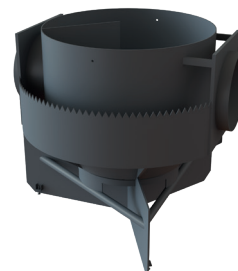
V-Septor 1200



V-Septor 1500



V-Septor 2000

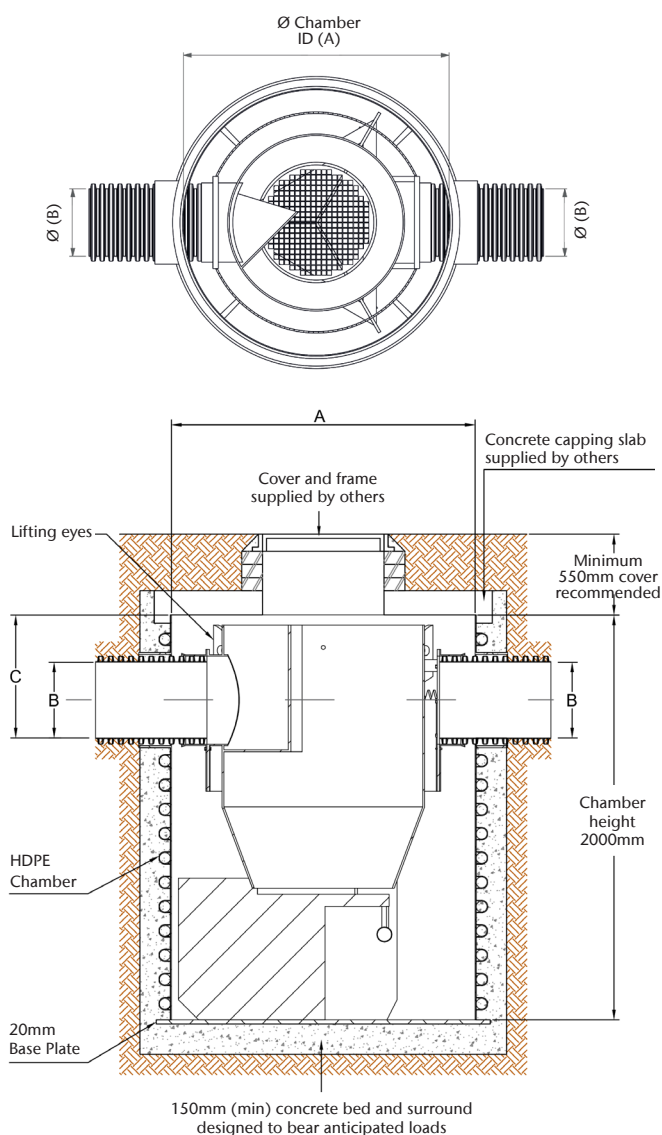
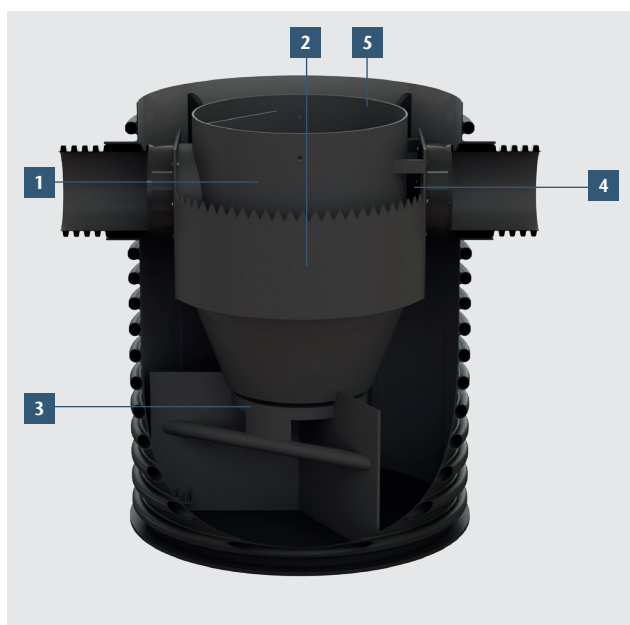


V-Septor 2500

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:

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