



ECOTEC



SILT TRAPS & SEPARATORS

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PROTECTING YOUR DRAINS





introduction

Over the last 15 years there has been a huge increase in the installation of modular,crate attenuation and storage systems and even though the design of these systems has developed over that period, there is still no effective solution for the removal of the silt, once it is inside the structure. So failure to install some form of silt trap or silt management system before this type of attenuation system, will over time have a significant affect on its sustainability, which could be dramatically reduced, particularly in smaller volume attenuation. This could mean the system would need to be replaced within the first few years of installation if the silt is allowed to ingress into the system. This is further exasperated if the site is in a coastal or heavily landscaped, area and this could further reduce the life expectancy.

By installing a Silt Sentinel Silt Trap or Separator, will dramatically reduce the amount of silt, debris and litter that enters the downstream drainage system and in so, significantly improving water quality,offering increased sustainability.

However the effectiveness of the Silt Sentinel or indeed any Silt Management System is in the effective management of the system and regular checks and removal of silt from the Silt Sentinel is essential for the systems to be effective.

The Silt Sentinel range features four models, all with proven designs that are effective at removing silt, debris and litter from surface water drainage systems.



PROTECTING YOUR DRAINS

SS300 | SILT TRAP



SS300 | SILT TRAP

For the catchment and removal of silt, debris and litter, before entering a surface water storage system. The Silt Sentinel 300 model is primarily designed to be installed upstream of smaller volume cellular/crate attenuation systems, improving the water quality downstream of unit.

There are two invert options available, to accommodate site conditions. The filter basket full, weighs less than 12 kilos and both models have a telescopic lifting handle which is ergonomically designed to aid lifting. Unlike most other silt traps on the market both the SS300 models come complete with an alloy filter cassette located inside the removable filter basket, which offers increased separation and also the removal of debris and litter, that may enter the upstream drainage system. Both units come complete with a lockable access cover.

Features

- Offers increased sustainability to your attenuation/storage system
- Improves water quality downstream of unit by removing silts, debris and litter
- Delivered ready to install, reducing installation time and costs
- Quick and simple to install, is lightweight and can be lifted and installed by a single person
- Telescopic lifting handle is ergonomically designed to aid lifting
- Alloy filter cassette for increased separation and removal of debris and litter that may enter the upstream drainage system
- Two depths available to suit project requirements
- Supplied with 300mm diameter, lockable access cover
- Inlet Pipework - 3 x 110mm EN 1401
- Outlet Pipework - Standard 110mm
- Optional Outlet Pipework - 150mm twinwall or 160mm EN401
- Eliminates wastage associated with in-situ construction
- Robust Polyethylene Rota Moulded Body
- Chemical Resistant
- Manufactured in the UK

Product Code	Overall Width (mm)	Inlet Pipework (mm)	Outlet Pipework (mm)	Inlet Invert (mm)	Outlet Invert (mm)	Overall Depth with Cover (mm)
SS300110	460	3 x 110	110	360	415	695
SS300160	460	3 x 110	160	360	415	695
SS300150	460	3 x 110	150 twinwall	360	415	695
SS300110/1.5	460	3 x 110	110	1175	1230	1525
SS300160/1.5	460	3 x 110	160	1175	1230	1525
SS300150/1.5	460	3 x 110	150 twinwall	1175	1230	1525



The diagram illustrates the internal structure of the SS500 Silt Trap. It shows a vertical pipe with a circular access cover at the top. Inside, there is a curved, black, funnel-shaped component that directs flow downwards. At the bottom of the trap, there is a horizontal outlet pipe with an orange-colored flange. To the right of the trap, a rectangular section of a pipe is shown, featuring a dark, textured, and perforated surface, likely for filtration or sediment collection. The entire unit is installed in a trench, with layers of gravel and concrete visible around it.

SS500 | SILT TRAP

SS500 | SILT TRAP

For the catchment and removal of silt, debris and litter, before entering a surface water storage system. The SS500 model is primarily designed to be installed upstream of medium to larger sized modular/crate type attenuation systems, ponds and swales, improving the water quality downstream of unit.

There are two invert options available, to accommodate site conditions.

The SS500 model features an integrated filter basket with integrated weirs that catch/trap litter and rubbish in the flow. The filter basket full, weighs less than 17 kilos and can be easily removed by a single person. All SS500 models are supplied with a coupling at the top of the main body which allows for an increase in invert by adding further extension risers.

Features

- Offers increased sustainability to your attenuation/storage system
- Improves water quality downstream of unit by removing silts, debris and litter
- Delivered ready to install, reducing installation time and costs
- Quick and simple to install, is lightweight and can be lifted and installed by a single person
- Alloy filter cassette for increased separation and removal of debris and litter that may enter the upstream drainage system
- Two depths available to suit project requirements
- Supplied with 450mm diameter, lockable access cover
- Standard Pipework -160mm EN 1401 or 225mm twinwall
- Pipework Options - 225mm twinwall or 110mm EN401 and 150mm twinwall with adaptors
- Eliminates wastage associated with in-situ construction
- Robust Polyethylene Rota Moulded Body
- Chemical Resistant
- Manufactured in the UK

Product Code	Overall Width (mm)	Inlet Pipework (mm)	Outlet Pipework (mm)	Inlet Invert (mm)	Outlet Invert (mm)	Overall Depth with Cover (mm)
SS500160	545	160	160	690	735	1080
SS500225	545	225	225	675	720	1080

SS500 A | ADVANCED SILT TRAP

For the catchment and removal of silt, debris and litter, before entering a surface water storage system. The SS500A is our advanced model, which comes with both a removable primary silt basket and a secondary polishing filter, which again is removable for maintenance. Primarily designed to be installed upstream of medium to large modular/crate type attenuation systems, particularly in areas more prone to heavy silt and sand ingress into the drainage system, particularly in coastal and heavily landscaped areas. The installation of the SS500 Advanced Silt Trap offers a much greater separation of the silt, sand and debris, significantly improving the water quality downstream of unit.

The SS500A model features an integrated filter basket on the inlet and a secondary polishing filter. The primary filter basket full, weighs less than 9 kilos and can be easily removed by a single person. The secondary polishing filter is easily removed from the access. All SS500 models are supplied with a coupling at the top of the main body which allows for an increase in invert by adding further extension risers.

Features

- Twin filter system, offering greater separation
- Offers increased sustainability to your attenuation/storage system
- Improves water quality downstream of unit by removing silts, debris and litter
- Delivered ready to install, reducing installation time and costs
- Quick and simple to install, is lightweight and can be lifted and installed by a single person
- Supplied with 450mm diameter, lockable access cover
- Pipework Options - 110mm or 160mm EN401 and 150mm twinwall
- Eliminates wastage associated with in-situ construction
- Robust Polyethylene Body
- Granular Surround
- Chemical Resistant
- Manufactured in the UK

Product Code	Overall Width (mm)	Inlet Pipework (mm)	Outlet Pipework (mm)	Inlet Invert (mm)	Outlet Invert (mm)	Overall Depth with Cover (mm)
SS500A110	520	110	110	480	700	1010
SS500A160	520	160	160	480	700	1010
SS500A150T	520	150	150	480	700	1010



SS1000 | SILT TRAP

SS1000 | SILT TRAP SEPARATOR

For the catchment and removal of silt, debris and litter, before entering a surface water storage system. Primarily designed to be installed upstream of large volume modular/crate type attenuation systems.

All of the SS1000 range has a removable filter tube which is connected to the outlet pipe. The filter will remove any rubbish and debris that may enter the unit, also finer silt that may pass through the filter will drop to the base of the tube. The filter tube can be disconnected from the outlet pipe and removed for maintenance.

Features

- Outlet filter system, offering greater separation and removal of debris and litter that may enter the upstream drainage system
- Offers increased sustainability to your attenuation/storage system
- Improves water quality downstream of unit by removing silts, debris and litter
- Delivered ready to install, reducing installation time and costs
- Quick and simple to install
- Standard Pipework Options - 110mm or 160mm EN401 and 150mm twinwall with adaptors
- Optional - 225mm twinwall to special order
- Eliminates wastage associated with in-situ construction
- Robust Polyethylene Body
- Chemical Resistant
- Manufactured in the UK

Product Code	Overall ø (mm)	Inlet Pipework (mm)	Outlet Pipework (mm)	Inlet Invert (mm)	Outlet Invert (mm)	Overall Depth (mm)
SS1000110/1.5	1000	110	110	450	500	1500
SS1000160/1.5	1000	160	160	450	500	1500
SS1000150/1.5	1000	150 twinwall	150 twinwall	430	480	1500
SS1000110/2	1000	110	110	950	1000	2000
SS1000160/2	1000	160	160	950	1000	2000
SS1000150/2	1000	150 twinwall	150 twinwall	950	1000	2000

SS1000 | SILT TRAP WASHCEPTOR

Specifically designed for the catchment and removal of silt and dirt from vehicle wash areas before entering a surface water storage system.

The SS1000 range has a removable filter tube which is connected to the outlet pipe. The filter will remove any rubbish and debris that may enter the unit, also finer silt that may pass through the filter will drop to the base of the tube. The filter tube can be disconnected from the outlet pipe and removed for maintenance.

This model is supplied with a single outlet, as water from the vehicle wash area enters the unit from the surface via a 600mm x 600mm-D400 loading grating, which is supplied with the unit.

Features

- Outlet filter system, offering greater separation and removal of debris and litter that may enter the upstream drainage system
- Offers increased sustainability to your attenuation/storage system
- Improves water quality downstream of unit by removing silts, debris and litter
- Delivered ready to install, reducing installation time and costs
- D400 Loading - Grate and Frame supplied as standard
- Quick and simple to install
- Outlet Pipework Options - 110mm or 160mm EN401 and 150mm twinwall with adaptors
- Eliminates wastage associated with in-situ construction
- Robust Polyethylene Body
- Chemical Resistant
- Manufactured in the UK

Product Code	Overall ø (mm)	Outlet Pipework (mm)	Storage Capacity (Litres)	Outlet Invert (mm)	Overall Depth with Grating (mm)
SSW1000110/700	1000	110	700	500	1100
SSW1000160/700	1000	160	700	500	1100
SSW1000150/700	1000	150 twinwall	700	480	1100
SSW1000110/1050	1000	110	1050	1000	1600
SSW1000160/1050	1000	160	1050	1000	1600
SSW1000150/1050	1000	150 twinwall	1050	1000	1600

LIST PRICES

SS300

Product Code	Overall Width (mm)	Inlet Pipework (mm)	Outlet Pipework (mm)	Overall Depth with Cover (mm)	List Price
SS300110 Standard Model	460	3 x 110	110	695	€509
SS300160	460	3 x 110	160	695	€550
SS300150	460	3 x 110	150 twinwall	695	€550
SS300110/1.5 Standard Model	460	3 x 110	110	1525	€563
SS300160/1.5	460	3 x 110	160	1525	€605
SS300150/1.5	460	3 x 110	150 twinwall	1525	€605
Optional Items					
SS300ER	Extension Riser - 135mm effective depth (fits SS300110, SS300160 & SS300150)				€24
SS300FI	Replacement Basket Filter				€50

SS500

Product Code	Overall Width (mm)	Inlet Pipework (mm)	Outlet Pipework (mm)	Overall Depth with Cover (mm)	List Price
SS500160	545	160	160	1080	€680
SS500225	545	225	225	1080	€751
Advanced Model					
SS500A110	520	110	110	1010	€1331
SS500A160	520	160	160	1010	€1355
SS500A150T	520	150	150	1010	€1355
Optional Items					
SS500ER	Extension Riser - 250mm effective depth (fits all models)				€35

SS1000

Product Code	Overall Width (mm)	Inlet Pipework (mm)	Outlet Pipework (mm)	Overall Depth (mm)	List Price
SS1000110/1.5	1000	110	110	1525	€1976
SS1000160/1.5	1000	160	160	1525	€2006
SS1000150/1.5	1000	150 twinwall	150 twinwall	1525	€2101
SS1000110/2	1000	110	110	2025	€2337
SS1000160/2	1000	160	160	2025	€2361
SS1000150/2	1000	150 twinwall	150 twinwall	2025	€2456
Optional Items					
SS600600AC	Extension Riser - 135mm effective depth (fits SS300110, SS300160 & SS300150)				€178
SS1000FT/1.5	Replacement Filter Tube				POA
SS1000FT/2	Replacement Filter Tube				POA

SS1000 WASHCEPTOR

Product Code	Overall ø (mm)	Outlet Pipework (mm)	Storage Capacity (Litres)	Overall Depth with Grating (mm)	List Price
SSW1000110/700	1000	110	700	1100	€2076
SSW1000160/700	1000	160	700	1100	€2118
SSW1000150/700	1000	150 twinwall	700	1100	€2118
SSW1000110/1050	1000	110	1050	1600	€2490
SSW1000160/1050	1000	160	1050	1600	€2534
SSW1000150/1050	1000	150 twinwall	1050	1600	€2534
Optional Items					
SSW1000FT/1	Replacement Filter Tube				POA



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