



FilterSepta®

Above-ground Class 1 full retention oil/water separator



FilterSepta® is a cost-effective, above-ground hydrocarbon and ester oil interceptor that performs to, and is fully certified as, a Class 1 full retention oil/water separator and relevant section EN858-1:2002

FilterSepta® is designed for site operators concerned that to be absolutely safe and due to site conditions, their existing oil/water separating pump systems may need additional support to prevent hydrocarbons escaping and contaminating the environment.

FilterSepta® is a highly cost-effective, secondary safeguard for sites where extra caution is required. FilterSepta® is recommended for environmentally critical sites and/or where there is concern about pumped water discharge through soak-away or surface water drainage where there is no underground drainage interceptor or separator.

FilterSepta® eliminates the need for costly underground interceptor tanks to be installed and maintained and is ideal for both new installations and retrofit.

Easy to install and maintain

FilterSepta® is constructed from UV-resistant High Density Polyethylene (HDPE). It is lightweight when empty and easy to install by a two-person team with no mechanical lifting equipment required. Manual lifting lugs are positioned to allow for safe lifting below head height, crucial for high voltage sites

Maintenance can all be easily managed on-site with access to the FilterSepta® unit via the open lid. Both coalescing filters are easy and safe to remove, clean and return to use with need for disposal or replacement. The silt trap chamber needs emptying from time to time this is also easy and safe to empty, clean and return to use.

If there is a significant build up of oil within the second chamber, an oil sensor alarm will shut off the BundGuard® system, which in turn will alert the site to remove any excess oil from the chamber.

Benefits at a glance:

- FilterSepta® performs to, and is fully certified as, a Class 1 full retention oil/water separator and relevant section EN858-1:2002
- Accessible silt trap chamber – easy and safe to empty, clean and maintain
- Accessible coalescing filter media – both filters are easy and safe to remove, clean and maintain on site, no need for disposal or replacement
- If there is a significant build up of oil within the second chamber, an oil sensor will shut off the BundGuard® system, which in turn will alert the site of an issue
- Lightweight, robust and UV-resistant
- No mechanical lifting equipment required for delivery and installation and well within capacity of a two-person lift
- Robust double-extrusion welded throughout for extreme durability
- Manual lifting lugs positioned to allow for safe lifting below head height – crucial for high voltage sites
- No exposed metal parts – eliminating the risk of arcing in high voltage sites and minimising metal corrosion
- Extremely high gravity outflow of 3 litres per second (site conditions may vary)
- Sludge volume of 100 litres – allowing for extended maintenance breaks
- Automatic bypass overflow returns water to the bunded area – avoiding contamination to the unit.

For more information:

☎ +44 (0)1484 845 000 or

✉ help@andel.co.uk

www.andel.com



Making water sustainable for a cleaner and safer environment.

FilterSepta® is designed to work in conjunction with the BundGuard® dewatering system

FilterSepta® is an above-ground interceptor and filter system that must be used in conjunction with Andel's BundGuard® dewatering system.

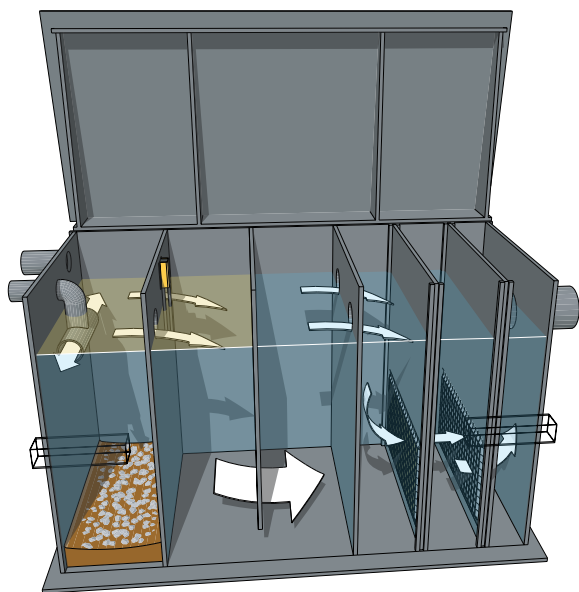
In rigorous tests, BundGuard® is shown to perform to less than five parts per million of oil present in pumped discharge water. FilterSepta® removes any emulsified oil or debris, however small, still present in the pumped water, allowing for safe discharge through existing surface water drainage.

How FilterSepta® works

Water is pumped from a BundGuard® into the first chamber through a T-section, preventing the bottom of the chamber being disturbed by the water flow. Silt and heavy solids will settle at the bottom of the chamber and as the outlet to the next chamber is at a high level, remain in the first chamber. Free oil will also separate and form a layer at the top and is allowed to flow in to the next chamber.

The outlet to the third chamber is at a lower level, so only water that is free of free oil is allowed to pass through.

If over time there is a significant build-up of oil in the second chamber, an oil sensor will shut off the BundGuard®, which in turn will alert the site, allowing for simple maintenance to be carried out to remove the oil.



As pumped water enters the first chamber, gravity balances the water level in each chamber, progressively reducing the flow from one chamber to the next, giving time for any suspended solids to fall to the bottom of the chambers.

The final stage before discharge to drainage is for the water to flow through two Coalescing Filters that serve to remove any remaining suspended solids and emulsified oils as in a Class 1 interceptor.

TECHNICAL INFORMATION

- Inlet: barbed hose tail to connect 1" ID hose
- Outlet: 100mm discharge pipe
- Automatic bypass overflow (water return to bunded area)
- Nominal height: 824mm
- Nominal width: 500mm
- Nominal length: 1200mm
- Total liquid retention capacity: 300 litres
- Sludge volume: 100 litres
- Maximum oil storage: 70 litres, 150mm oil layer
- Maximum chamber depth: 710mm (allows for easy cleaning and maintenance as and when required)
- Typical flow rates: around 3 litres/second (depending on site conditions)

MAINTENANCE:

The system should be regularly inspected and serviced at least every six months.

PERFORMANCE:

Typical flow rates are around 10 to 120 litres per minute. Performance figures may vary and are dependent upon site conditions and specifications.

HEALTH AND SAFETY:

Appropriate personal protective equipment should be used during maintenance of the FilterSepta® unit and when handling contaminated material.

FilterSepta® must be used with Andel's BundGuard® dewatering system.

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