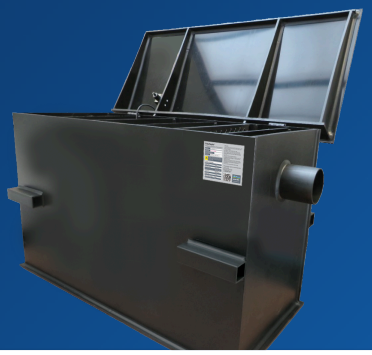
OIL STORAGE MAINTENANCE AND COMPLIANCE

FilterSepta®

Above-ground Class 1 full retention oil/water separator



An additional layer of environmental protection for BundGuard® dewatering systems

FilterSepta® is an above-ground, Class 1 full retention oil/water separator designed to work alongside Andel's BundGuard® dewatering systems, helping prevent oil contamination in pumped water discharge.

In testing, BundGuard® has demonstrated hydrocarbon levels of less than 5 parts per million (ppm) in pumped discharge water. FilterSepta® provides an additional stage of treatment, removing residual oil, emulsified oils and suspended solids to reduce hydrocarbon levels to virtually undetectable levels, helping ensure safe discharge into existing surface water drainage systems.

Ideal for environmentally sensitive sites or where site conditions call for additional protection, FilterSepta® provides an effective safeguard against pollution and a practical, cost-effective alternative to underground interceptors for suitable new and retrofit installations.

Easy to install and maintain

Constructed from robust, UV-resistant high-density polyethylene (HDPE), FilterSepta® is lightweight when empty and can be installed by two people without mechanical lifting equipment.

With no exposed metal parts and specially positioned lifting lugs for handling below head height, FilterSepta® is particularly suited to high-voltage environments, including electrical substations.

Maintenance is straightforward, with easy access to the silt chamber and two removable, reusable coalescing filters, which can be cleaned on site without replacement.

An integrated oil sensor provides additional protection, automatically shutting down the BundGuard® system and triggering an alert if excessive oil accumulates.

How FilterSepta® works

1. Settlement

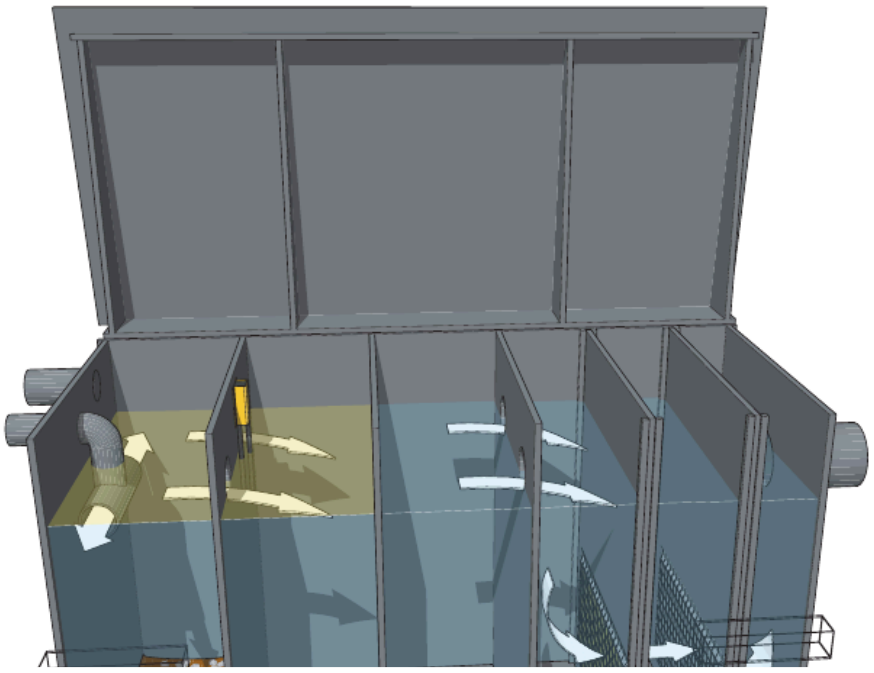
Water pumped from BundGuard® enters the first chamber through a T-section, minimising disturbance and allowing silt and heavier solids to settle. A high-level outlet prevents settled material from passing into the next chamber.

2. Oil separation

Free oil separates and collects in the second chamber, while a lower-level outlet allows water to pass into the third chamber. If excessive oil accumulates, an integrated sensor automatically shuts down BundGuard® and triggers an alert.

3. Final filtration

Water passes through two removable coalescing filters, which remove remaining suspended solids and emulsified oils before discharge into the drainage system.



Three-chamber separation: silt settles in the first chamber, free oil is retained in the second, and the water passes through coalescing filters before discharge.

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

Benefits at a glance

- Class 1 full retention oil/water separator – certified to the relevant requirements of EN 858-1:2002
- Additional protection against oil contamination in pumped water discharge
- Integrated oil sensor automatically shuts down BundGuard® when excess oil is detected
- Automatic bypass overflow returns water to the bunded area – avoiding contamination to the unit
- Accessible silt trap chamber – easy and safe to empty, clean and maintain
- Accessible coalescing filter media – filters are easy and safe to remove, clean and maintain on site, no need for disposal or replacement
- Robust, UV-resistant HDPE construction with no exposed metal parts
- No mechanical lifting equipment required for delivery and installation and well within capacity of a two-person lift
- Above-ground installation without excavation or underground interceptor tanks
- Manual lifting lugs positioned for safe lifting below head height — crucial for high-voltage sites
- Robust double-extrusion welded throughout for extreme durability
- Gravity outflow of around 3 litres per second (site conditions may vary)
- Sludge volume of 100 litres — allowing for extended maintenance breaks

Configurations

FilterSepta Issue 4 Export
Item 500040

FilterSepta Issue 4
Item 500042

FilterSepta 340ltr ET Spec
Item 500286

FilterSepta MK 2, Complete With Sensors
Item 500314

TECHNICAL INFORMATION

SPECIFICATION

Inlet: Barbed hose tail to connect 1" ID hose

Outlet: 100mm discharge pipe

Automatic bypass overflow: Water return to bunded area, avoiding contamination to the unit

Nominal height: 750mm

Nominal width: 610mm

Nominal length: 1320mm

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

Regular inspection and servicing are recommended at least every six months, depending on site conditions.

HEALTH AND SAFETY

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

Standards & certifications

- EN 858-1:2002