

FilterSepta



With the introduction of more stringent regulations, operators may be concerned that to be absolutely safe their existing oil/water separating pump systems may need additional support or backup.

“Front-line” products, such as Andel’s BundGuard, “yes to water - no to oil” automatic pumping system, are extremely effective and reliable but some especially sensitive sites and other installations might warrant a more cautious approach. This is even more critical if the discharged water goes to soak-away or surface water drain.

FilterSepta is ideal for retrofitting to existing installations or combined with new works. FilterSepta works partly as an above-ground interceptor and filter and is ideally partnered with the Andel BundGuard unit. Whilst BundGuard tests show it to separate oil and water very efficiently (<5 ppm oil present in water that has been pumped), FilterSepta helps to remove any oil or debris still present in the water.

How does it work?

FilterSepta uses the special oil absorbent characteristics of O-Zorb® to remove up to 99.99%* of remaining oil left in the discharge from oily water pump systems.

O-Zorb® is an “ultra-green”, super oil-absorbent and will absorb up to four times its own weight of oil. Made from the safely recycled foam insulation of discarded fridges and freezers O-Zorb® turns an ecological disaster into an environmental triumph.

The incoming oily water sprays onto a special “sparging plate” which evenly distributes it onto the primary silt filter stage. As the liquid percolates down through the tank any remaining oil is mechanically “scrubbed” from soil and dust particles. At this stage the special properties of O-Zorb® also breaks any residual emulsions.

Freed oil is either absorbed by the O-Zorb® or floats to the top of the tank chamber. This acts as a density separation just like a full-sized interceptor making the system doubly effective.

An integral electronic level controller (and optional valve) regulates the flow through the unit and a simple 10 minute conversion is all that is required to incorporate the FilterSepta into any bund water control system.

Specifications:

Inlet: barbed hose tail to connect 1” I.D. hose
 Outlet: barbed hose tail to connect 1” I.D. hose
 Nominal height: 110cm
 Nominal width: 60cm
 Nominal depth: 76cm
 Nominal Weight (new, fully packed): 37Kg

Maintenance:

The system should be regularly inspected and serviced at least every 6 months. Recharge packs are available from PPL.

Recharge Pack:

4 x 4Kg O-Zorb® bag
 1 x 2Kg O-Zorb® bag
 1 x silt filter pad

Performance:

Typical flow rates are around 10 to 120 litres per minute*

Health and Safety:

There are no inherent “Health & Safety” implications in the use of O-Zorb® but personal protective equipment should be used with contaminated material.

O-Zorb® bags once beyond their useful life may be incinerated at 1000°C.

*depends on site conditions and specifications.

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