



Full retention separators treat the full flow that can be delivered by a drainage system, which is normally equivalent to the flow generated by a rainfall intensity of 65mm/hr. Full retention separators are used where there is a risk of regular contamination with oil and a foreseeable risk of significant spillages eg vehicle maintenance areas and retail fuel forecourts. All full retention separators have an automatic closure device (ACD) fitted as standard. Compulsory for all PPG3 compliant full retention separators, the ACD prevents accumulated pollutants flowing through the unit when maximum storage level is reached.

FEATURES & BENEFITS

- All surface water treated
- Available in Class 1 & 2
- ACD Fitted as standard

APPLICATION AREAS

- Sites with hi-risk of oil contamination
- Fuel storage depots & Refuelling facilities
- Petrol Forecourts & Vehicle workshops

ALARM SYSTEMS

According to the Environment Agency's PPG3 guidelines, all separators must be provided with a robust device to provide visual and audible warning (if necessary to a remotely located supervisory point) when the level of oil reaches 90% of the oil storage volume. This automatic warning device indicates that the separator is in need of immediate emptying for it to continue to work effectively. Morclean can supply a full range of visual and audible warning devices including: mains powered, solar powered alarms (with flashing beacon) or solar GSM (sends txt message to a mobile phone of your choice). Three probes are fitted in the separator to automatically monitor the oil, silt and liquid levels. The probes will also indicate exactly when the Separator needs emptying, eliminating unnecessary waste management visits. If site conditions permit, the control can be used to monitor multiple probes in a number of different separators.

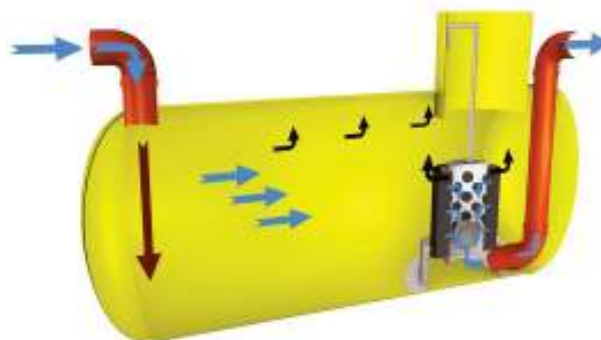
MAINS POWERED SYSTEM - This option is best suited to new build situations or sites where installation of the necessary cabling and ducting is straightforward and economical.

SOLAR POWERED SYSTEM - FLASHING BEACON - This option requires no mains power supply or any significant cabling and ducting making it economical for large sites and retro fitting alarms to existing oil separators. A High Intensity Beacon will flash when a problem is detected.

SOLAR GSM ALARM - The Solar GSM alarm sends a status report of your separator to a mobile phone number of your choice. The status of the GSM alarm can also be tested at any time by simply sending a pre-recorded text message via your dedicated mobile phone.

PROCESS & PERFORMANCE

Contaminated water enters the separator, the liquid is retained for a sufficient period to ensure that the lighter than water pollutants, such as oils and petrol, separate and rise to the surface of the water and are retained within the separator. Decontaminated water is discharged. Retained oil must be emptied from the separator once the level of oil is reached, or the oil level alarm is activated and the closure device operated.



Separator waste is a "special waste" and should be removed from the separator under the terms of The Waste Management Code of Practice.

KEY

BROWN = Silt

BLUE = Treated flow

BLACK = Oil separation