



SEPARATORS

Pollution prevention is a critical part of sustainable drainage systems and verified oil separators are designed to protect the environment and prevent the pollution of our rivers and streams, by containing hydrocarbons (eg diesel, petrol or engine oil) that have entered a drainage system.

There are statutory regulations in force to control the discharge of hydrocarbons, with severe penalties imposed for non-compliance.

The Environment Agency's PPG3 guidelines are issued to enable you to comply fully with the relevant current legislation on environmental protection. The Morclean range of oil separators, fully conform to both the Environment Agency's latest PPG3 guidelines and European standard BSEN-858-1-2 and are proven to effectively separate oil and water. Under test, the Morclean Bypass Separator performed to less than 1 mg/l and can, therefore, protect the environment and public safety.

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.

THE EUROPEAN STANDARD REFERS TO TWO 'CLASSES' OF SEPARATOR:

Class 1 separators are designed to achieve a concentration of less than 5mg/l of oil under standard test conditions. These separators are required for discharges to surface water drains and the water environment.

Class 2 separators are designed to achieve a concentration of less than 100mg/l oil under standard test conditions and are suitable for dealing with discharges where a lower quality requirement applies such as discharges to the foul sewer (with consent from your sewer provider). Both classes can be produced as 'Full Retention', 'By-Pass' or 'Forecourt' separators.

All oil separators are required by legislation to be fitted with an oil level alarm system and it is recommended that this alarm installed, tested, commissioned and regularly serviced by a qualified technician. This automatic warning device will indicate when the separator is in need of immediate maintenance in order for it to continue to work effectively.