

TECHNICAL DEFINITION

An oil separator is a device designed to trap and store free hydrocarbons from run-off water. The silt storage unit traps suspended solids (sand, gravel...).

These separators without by-pass and equipped with a silt storage are designed to treat water from covered car parks, petrol stations, garages. For washing areas, a complementary silt storage V200 must be provided to obtain a V300 volume.

Reminder:

The oil level alarm is mandatory as additional piece of equipment except local authority exemptions.

OPERATION

The operation of the oil separator is based on the separation by density difference of insoluble pollutants contained in run-off water.

The silt storage compartment settles and traps suspended solids > than 200µm.

The coalescence system, with its large surface area, enables the concentration of free hydrocarbons which are bumping each other. Hydrocarbons rise then to the surface.

The sealing system (shutter) prevents from any risk of hydrocarbon release.

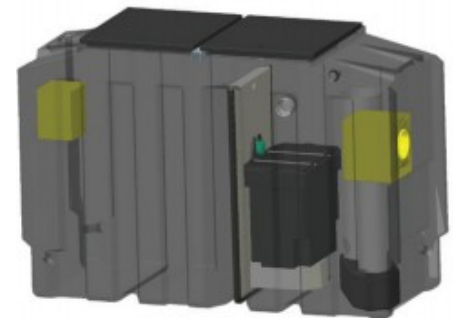
HANDLING - INSTALLATION

Refer to the installation instructions PHPE before handling and installation the separator.

- Maximum height of the water table = outlet level.
- Device with PE frame(s): backfill without slab up to the PE frame level (without extension). Mandatory protection slab if extension.
- Device with manhole(s): Mandatory concrete slab



Device with PE manhole(s)



Device with PE frame(s)

ADVANTAGES

- **PATENTED DESIGN IN ACCORDANCE WITH STANDARDS: EN 858-1 AND EN 858-2**
- **A 20 YEARS GUARANTEE TANK AGAINST CORROSION**
- **HELD IN A SALINE ENVIRONMENT**
- **RESISTS ON GROUND WITH A WATER TABLE UP TO OUTLET LEVEL**
- **LOW WEIGHT**
- **EASY HANDLING**
- **REMOVABLE COALESCENCE AND EASY MAINTENANCE**
- **EASY CONNECTIONS**
- **DEVICES HELD IN STOCK**

MAINTENANCE

Ensure periodically that the ventilation is not obstructed. The drainage frequency must be adapted to sludge and oil volumes intercepted.

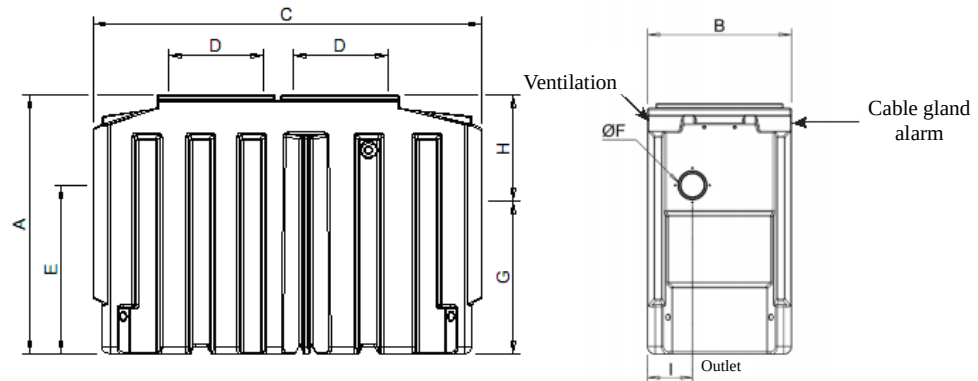
It is recommended to drain the device when the sludge level reaches 50% of the useful volume of the silt storage or when hydrocarbons rise 80% of the retention capacity of the separator (cf. NF P16-442).

Take advantage of the drainage to clean the coalescence and the sealing system.

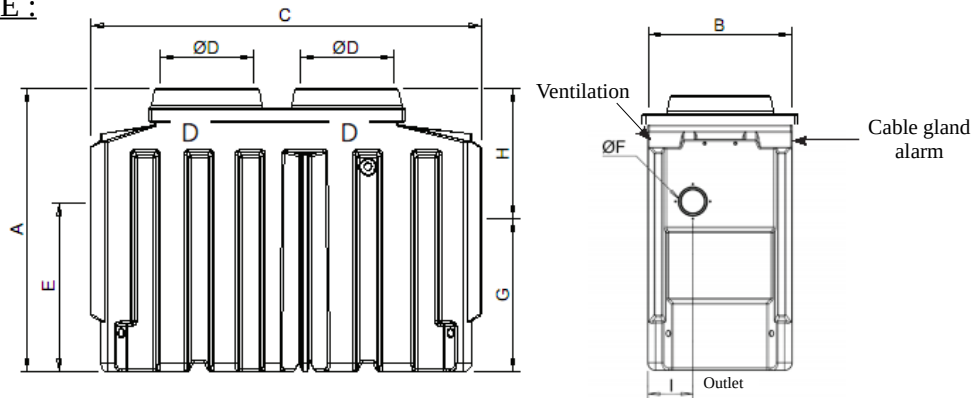
After each drainage, the device must be filled with water. Also check that the shutter floats.

General maintenance instructions E101 are available on our website.

DEVICE WITH PE FRAME :



DEVICE WITH PE MANHOLE :



| Reference | Flow rate to be treated (l/s) | Manholes nb | Frames nb | A | B | C | D | E | ØF | G | H | I | Silt storage volume (liters) | Oil retention volume (liters) | Weight (kg) |
|----------------|-------------------------------|-------------|-----------|------|------|------|----------|------|-----|------|-----|-----|------------------------------|-------------------------------|-------------|
| SH2/6645/01 | 1.5 | | 1 | 970 | 760 | 1280 | 600x690 | 610 | 110 | 510 | 460 | 260 | 158 | 35 | 73 |
| SH2/6645/01/00 | 1.5 | 1 | | 1120 | 760 | 1280 | 600 | 610 | 110 | 510 | 610 | 260 | 158 | 35 | 75.5 |
| SH2/6645/03 | 3 | | 1 | 1280 | 760 | 1410 | 600x690 | 820 | 110 | 720 | 560 | 300 | 300 | 127 | 86 |
| SH2/6645/03/00 | 3 | 1 | | 1430 | 760 | 1410 | 600 | 820 | 110 | 720 | 710 | 300 | 300 | 127 | 91.5 |
| SH2/6645/06 | 6 | | 1 | 1580 | 850 | 2000 | 600x690 | 1010 | 160 | 910 | 670 | 275 | 613 | 79 | 143 |
| SH2/6645/06/00 | 6 | 1 | | 1730 | 850 | 2000 | 600 | 1010 | 160 | 910 | 820 | 275 | 613 | 79 | 148 |
| SH2/6645/08 | 8 | | 2 | 1630 | 940 | 2220 | 600x690 | 1010 | 160 | 910 | 720 | 320 | 841 | 80 | 196 |
| SH2/6645/08/00 | 8 | 2 | | 1780 | 940 | 2220 | 600 | 1010 | 160 | 910 | 870 | 320 | 841 | 80 | 206 |
| SH2/6645/10 | 10 | | 2 | 1630 | 940 | 2460 | 600x690 | 1050 | 160 | 950 | 680 | 320 | 1030 | 105 | 227 |
| SH2/6645/10/00 | 10 | 2 | | 1780 | 940 | 2460 | 600 | 1050 | 160 | 950 | 830 | 320 | 1030 | 105 | 237 |
| SH2/6645/15 | 15 | | 2 | 1900 | 1540 | 2400 | 590x1140 | 1180 | 200 | 1080 | 820 | 445 | 1556 | 365 | 325 |
| SH2/6645/15/00 | 15 | 2 | | 2050 | 1540 | 2400 | 750 | 1180 | 200 | 1080 | 970 | 445 | 1556 | 365 | 335 |

* same value at the output and input

Optional:

ANH22/14310-N: Visual and sound oil level alarm 220V (only 1 oil sensor possible) – see technical sheet (TS) 4993

ANH22/14320: Visual and sound oil level alarm 220V (3 sensors possible) – see TS 4982

ANH22/14506: Oil alarm with power provided by solar panel (connection of up to 6 sensors on 2 different separators) – see TS 4981

OD2/105: Sludge suction device

RH6069: Adjustable extension shaft in polyethylene from 300 to 450 mm for devices SH2/6645/01, SH2/6645/03 and SH2/6645/06

RH2/2030: Adjustable extension shaft in polyethylene from 200 to 250 mm for device SH2/6645/15

CA3/10/3T/2: Set of 2 belts for sizes 1 and 3

CA3/10/3T/3: Set of 3 belts for size 6

CA3/6394/10T: Anchoring straps 10T – 10M + WINCH for separator size 8 to 15 (provide 2)