

## 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 with by-pass and equipped with a silt storage are designed to treat water from car parks, roads, ...

### 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 bypass system located at the entry box is used to regulate the flow (treatment 20% permissible flow).

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.

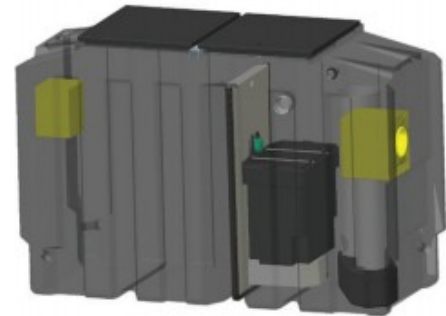
## HANDLING - INSTALLATION

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**
- **INTERNAL BY-PASS TUBE**
- **LOW WEIGHT**
- **EASY HANDLING**
- **REMOVABLE COALESCENCE AND EASY MAINTENANCE**
- **EASY CONNECTION**
- **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.

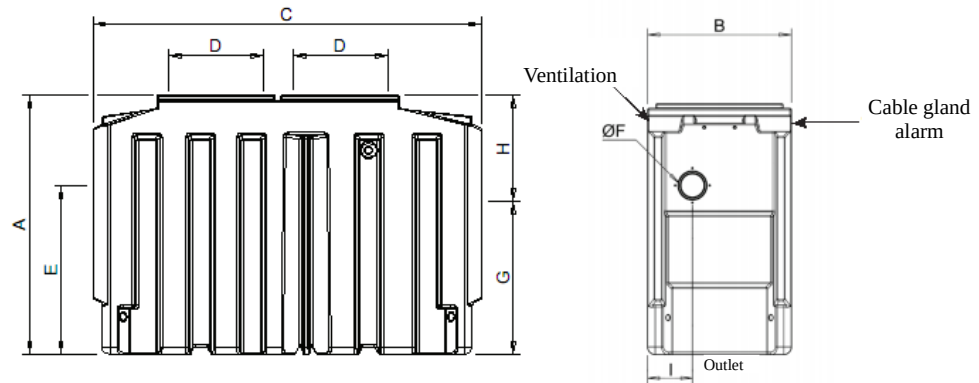
It is recommended to drain the device when the sludge level reaches 50% of the useful volume of the silt storage or when hydrocarbons rise 80% of the retention capacity of the separator (cf. NF P16-442).

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

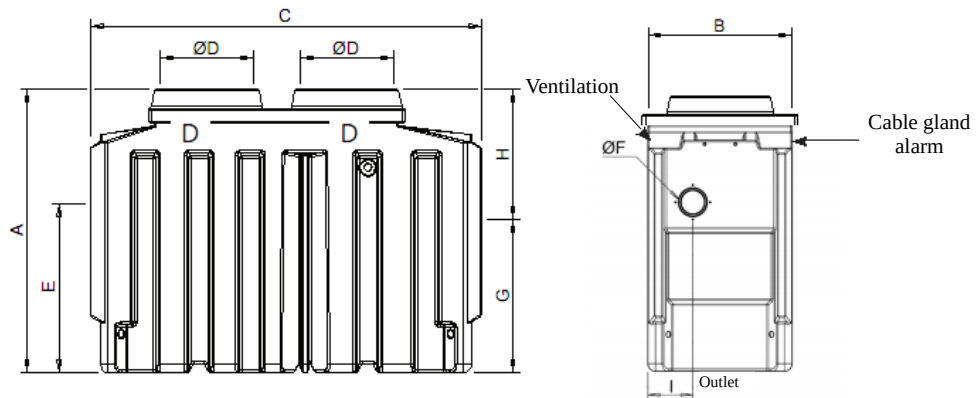
After each drainage, the device must be filled with water. Also check that the shutter floats.

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)
SH2/6649/03	3		1	1280	760	1410	600x690	820	200	720	560	300	300	127	89
SH2/6649/03/00	3	1		1430	760	1410	600	820	200	720	710	300	300	127	95
SH2/6649/06	6		1	1580	850	2000	600x690	1010	250	910	670	326	613	79	148
SH2/6649/06/00	6	1		1730	850	2000	600	1010	250	910	820	326	613	79	153
SH2/6649/08	8		2	1630	940	2220	600x690	1010	315	910	720	335	841	80	209
SH2/6649/08/00	8	2		1780	940	2220	600	1010	315	910	870	335	841	80	218
SH2/6649/10	10		2	1630	940	2460	600x690	1050	315	950	680	340	1030	105	235
SH2/6649/10/00	10	2		1780	940	2460	600	1050	315	950	830	340	1030	105	249
SH2/6649/15	15		2	1900	1540	2400	590x1140	1180	315	1080	820	445	1556	365	336
SH2/6649/15/00	15	2		2050	1540	2400	750	1180	315	1080	970	445	1556	365	350

\* 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 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)