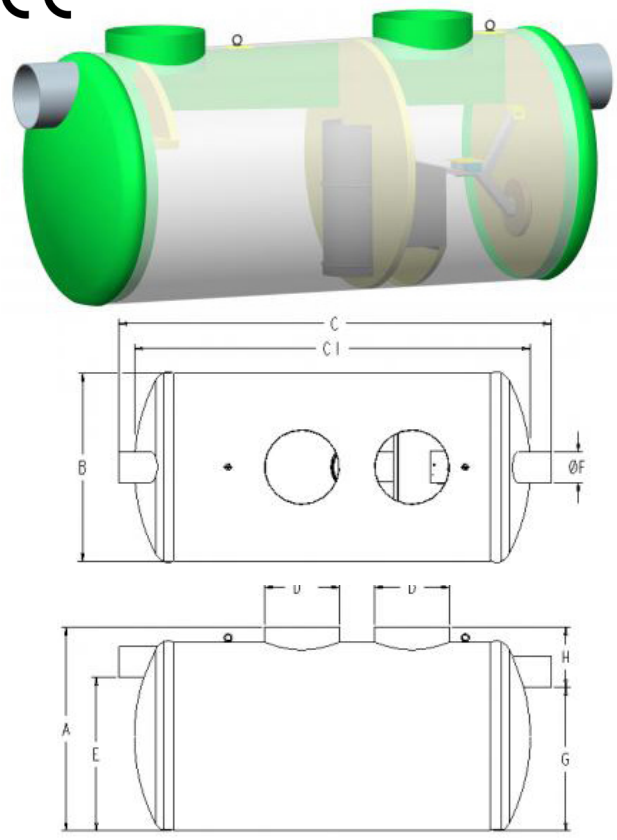
HYDROCARBON SEPARATOR CE 5 MG/L
V100 SILT STORAGE AND BY-PASS
CIRCULAR PRIMER
POLYESTER

SIMOP
EQUIPEMENTS POUR L'ENVIRONNEMENT

Redonnons le meilleur à la terre

6659

CE



1 Technical definition

An oil separator is designed to separate and store free hydrocarbons contained in runoff water.

The sludge part of the device traps suspended solids (sand, gravel…).

These hydrocarbon separators fitted with a sludge trap and a by-pass are ideal for treating water from car parks and roads.

Reminder the hydrocarbon level alarm is mandatory as additional equipment unless exempted by the local authorities.

2 Maintenance

An annual inspection visit must be carried out in order to check the operation of the device.

It is recommended to empty the unit when the sludge reaches 50% of the useful volume of the sludge trap or when the hydrocarbons fill 80% of the retention capacity of the separator (see NF P16-442).

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After each draining, the unit must be put back in water and the obturator must be checked for leaks.

General maintenance instructions E114 available on our website.

4 Functioning

The operation of the hydrocarbon separator is based on the separation by density difference of insoluble liquids (density 0.85) contained in runoff water.

The silt storage compartment allows settling and trapping of suspended solids > 200 µm.

The by-pass system located at the level of the inlet box makes it possible to regulate the flow (treatment of 20% of the admissible flow).

The coalescence system, thanks to its large speci c surface, makes it possible to concentrate the free hydrocarbons by promoting their collision. The hydrocarbons then rise to the surface.

The automatic shutter (float) avoids any risk of hydrocarbon release.

5 Handling - installation

Refer to the PHPRV-NC manual before handling and installing the separator.

3 Advantages

- Design according to NF EN 858-1 and NF EN 858-2
- Tank guaranteed for 20 years against corrosion
- Resistance in saline environment
- Resistance to groundwater up to mid-tank height (beyond that, please consult us)
- Low weight
- Easy to handle
- Removable coalescence for easy maintenance
- Easy to connect

Reference	Treated flow (l/s)	Number of primers	A	B	C1	C	D	E	ØF	G	H	Vol silt storage (litres)	Vol. oil retention (litres)
SH3/6659/35	35	2	1760	1610	4326	4803	600	1175	400	1075	685	3500	438
SH3/6659/40	40	2	1760	1610	4694	5171	600	1175	400	1075	685	4027	439
SH3/6659/50	50	2	2062	1912	4422	4792	750	1379	500	1279	783	5000	768

Options :

ANH22/14310-N : Visual and audible hydrocarbon alarm with 220V power supply (only 1 hydrocarbon sensor possible)

ANH22/14320 : Visual and audible hydrocarbon alarm with 220 V power supply (3 probes possible)

ANH22/14506 : Hydrocarbon alarm with solar panel power supply (connection of up to 6 probes installed on 2 different separators)

SNB/14220 : Sludge Level Sensor

KEC3/19 : Ladder fixed on manhole

KOPRV/1600B: Sludge extraction for Ø1600 tank

KOPRV/1900B: Sludge extraction for Ø1900 tank

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