SIMOP
EQUIPEMENTS POUR L'ENVIRONNEMENT

Redonnons le meilleur à la terre

OIL SEPARATOR NF 5 MG/L
WITH SILT STORAGE V100
CIRCULAR PRIMER OR WITHOUT CLOSING KIT
PAINTED STEEL

NF
CE
EN858-1

4730 - 4731
21/03/2017

Technical description

An oil separator is designed to separate and store free hydrocarbons from run-off water. These oil separators without by-pass are equipped with a silt storage that traps suspended matter (sand, gravel), are perfectly suited to treating water from covered car parks, service stations, garages.

For washing areas, provide an additional V200 silt storage to obtain a volume of V300.

Reminder : The level oil alarm is mandatory as additional equipment unless exempted by the local authorities.

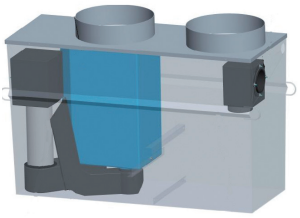
Operation

The operation of the oil separator is based on the separation by density difference of non-soluble liquids (density of 0.85) contained in run-off water.
The silt storage compartment allows settling and trapping suspended matter > 200µm.
The coalescence system, thanks to its large specific surface area, allows to concentrate free hyrocarbons by encouraging their collision. The hydrocarbons then rise to the surface. The automatic shutter (float) prevents any risk of hydrocarbon releasing.

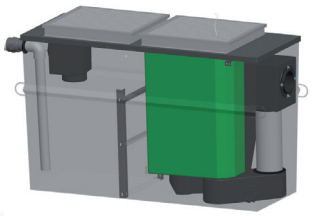
Closing system

- For devices with manhole(s) : provide a cast iron ring buffer 125, 250 or 400 KN depending on the rolling load.
- For devices without closing kit : either choose of the 3 KN buffers proposed in the table below, or refer to the technical sheet 4984 to select the steel extensions with the appropriate 125 or 250 Kn cast iron buffers.

Oil separator with circular primer(s)



Oil separator without closing KIT



Advantages

- NF CERTIFIED SEPARATOR
- COMPLIANT WITH NF EN 858-1 AND NF P16-451-1/CN
- WATER TABLE UP TO THE OUTLET WATER LINE
- ABOVE GROUND INSTALLATION POSSIBLE
- EASY MAINTENANCE
- PRODUCTS IN STOCK

Maintenance

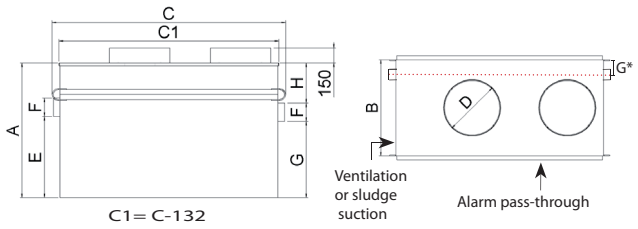
An annual inspection must be carried out to check the operation of the device. It is recommended to drain the unit when the sludge reaches 50 % of the useful volume of the silt storage or when the hydrocarbons occupy 80% of the retention capacity of the separator (see NF P16-442).
After each emptying, the device must be put back in water and the flotation of the obturator must be checked.

General maintenance instructions E104 are available on our website.

Handling - installation

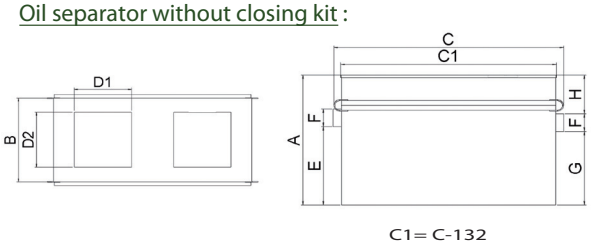
Refer to the PHACIER manual before handling and installing of the separator.

Oil separator with circular primer(s) :



C1= C-132

Oil separator without closing kit :



C1= C-132

Manhole	Without closing kit											Manhole			Without closing kit					
Reference	Reference	Size in l/s	A	B	C	E	F	G	G*	H	Silt storage vol.	D	Nb. MH	Total weight	D1	D2	Weight without buffer	Stainless steel buffer 3 kn	Cast iron buffer 3 kn	Number of buffer
SH4730/01/00	SH4731/01/RP1L	1,5	890	722	1065	720	110	620	173	160	150 L	600	1	124 kg	673	577	117 kg	TXPL	TFPL	1
SH4730/03/00	SH4731/03/RG1L	3	1020	722	1430	760	110	660	157	250	300 L	600	1	166 kg	922	577	156 kg	TXGL	TFGL	1
SH4730/06/00	SH4731/06/RP2T	6	1220	803	2125	920	160	820	204.5	240	600 L	600	2	294 kg	577	673	275 kg	TXPT	TFPT	2

Optional :
ANH22/14310-N : Visual and sound oil level alarm with 220V power supply (only 1 oil probe possible) - see Technical data sheet 4993
ANH22/14320 : Visual and sound oil level alarm with 220V power supply (connection of up to 3 probes possible) - see Technical data sheet 4982
ANH22/14506 : Oil level alarm with solar panel power supply (connection of up to 6 probes installed on 2 different separators) - see Technical data sheet 4981
OD4/100-80 : Sludge suction device - see Technical data sheet 4980
OD4/2102-... : Gravity drainage of hydrocarbons - see Technical data sheet 4988

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