

Redonnons le meilleur à la terre

4732 - 4733
21/03/2017

Technical description

An oil separator is designed to separate and store free hydrocarbons from run-off water.
The silt storage part of the device traps suspended matter (sand, gravel...).

These oil separators, equipped with a silt storage and a by-pass, are perfectly suited to treat water from car parks and roads.

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 0.85) contained in run-off water.

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

The by-pass system located at the inlet box allows the flow to be regulated (treatment of 20% of the admissible flow).

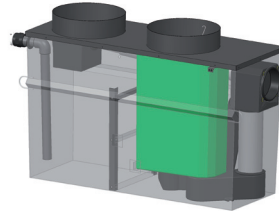
The coalescence system, thanks to its large specific surface area, allows to concentrate free hydrocarbons by encouraging their collision. The hydrocarbons then rise to the surface. The automatic shutter (float) prevents any risk of hydrocarbon releasing.

Closing system

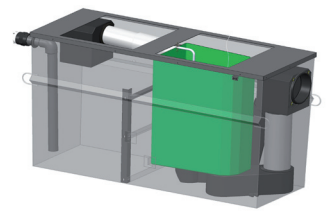
- For devices with manhole(s) : provide a cast iron ring buffer 125, 250 or 400 KN depending on the rolling load.

- 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).

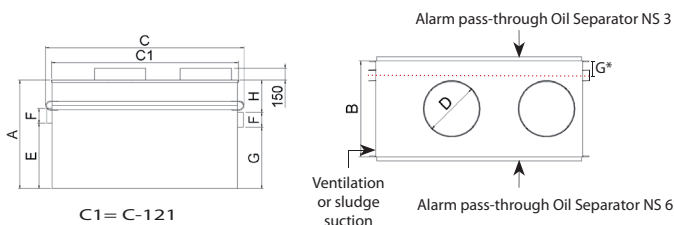
After each emptying, the device must be put back in water and the flotation of the obturator must be checked.

General maintenance instructions E104 are available on our website.

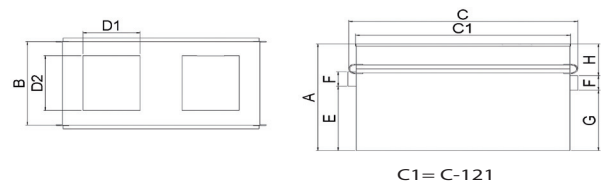
Handling - installation

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

Oil separator with circular primer(s) :



Oil separator 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
SH4732/03/00	SH4733/03/RG1L	3	1020	722	1430	760	200	660	152	160	300 L	600	1	175 kg	922	577	180 kg	TXGL	TFGL	1
SH4732/06/00	SH4733/06/RP2T	6	1220	803	2125	920	250	820	195	150	600 L	600	1	290 kg	577	673	295 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