

Redonnons le meilleur à la terre

4808 - 4809
23/03/2017

Technical description

An oil separator is designed to separate and store free hydrocarbons from run-off water.

These oil separators without by-pass, equipped with a triple silt storage, allowing the trapping of suspended matter (sand, gravel), are perfectly suited to treatment water from car washes and also from covered car parks, service stations, garages.

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.

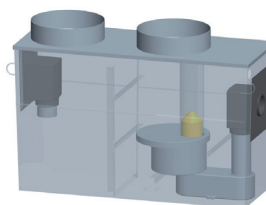
The coalescence system, thanks to its large specific surface area, allows to concentrate free hydrocarbons by encouraging their collision. The hydrocarbons then rise to the surface.

The automatic shutter (float) prevents any risk of hydrocarbon releasing.

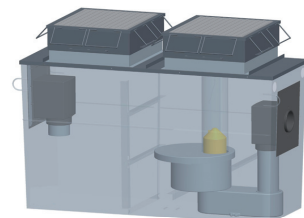
Closing system

- 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 primers



Oil separator without closing KIT



Advantages

- COMPLIANT WITH STANDARDS NF EN 858-1 AND NF EN 858-2
- LARGE VOLUME OF SILT STORAGE
- WATER TABLE RESISTANCE UP TO THE OUTLET WATER LINE
- CONICAL SOCKET CONNECTION = NO SEAL REQUIRED
- EASY MAINTENANCE

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).

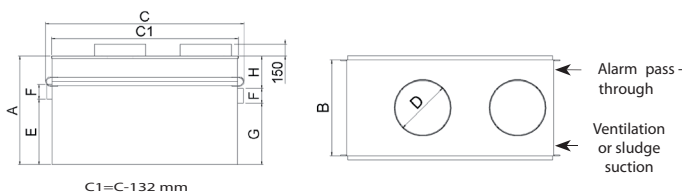
After each emptying, the device must be put back in water and the flotation of the obturator must be checked.

General maintenance instructions E104 are available on our website.

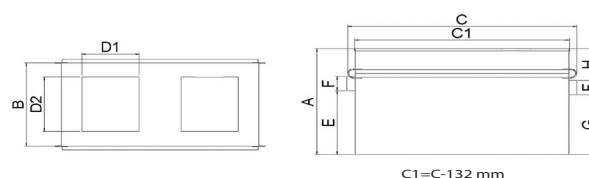
Handling - installation

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

Oil separator with circular primers :



Oil separator without closing kit :



Manhole	Without closing kit										Manhole		Without closing kit					
Reference	Reference	Size in l/s	A	B	C	E	F	G	H	Silt storage vol.	D	Nb. MH	Total weight	D1	D2	Weight without buffer	Cast iron buffer 3 kn	Number of buffer
SH4808/01/00	SH4809/01/RP2T	1	1220	823	2115	800	110	700	520	450 L	600	2	278 kg	577	673	259 kg	TFPT	2
SH4808/03/00	SH4809/03/RG2T	3	1360	1076	2115	850	110	750	610	900 L	600	2	348 kg	577	922	322 kg	TFGT	2
SH4808/06/00	SH4809/06/RG4T	6	1500	1076	3621	870	160	770	730	1800 L	750	2	575 kg	577	922	523 kg	TFGT	4
SH4808/08/00	SH4809/08/RG4T	8	1500	1314	3621	870	160	770	730	2400 L	950	2	642 kg	577	922	594 kg	TFGT	4
SH4808/10/00	SH4809/10/RG4T	10	1710	1314	3971	950	160	850	860	3000 L	950	2	749 kg	577	922	703 kg	TFGT	4
SH4808/15/00	SH4809/15/RG4T	15	1810	1465	4523	1050	200	950	860	4500 L	950	2	912 kg	577	922	866 kg	TFGT	4
SH4808/20/00	SH4809/20/RG5T	20	1940	1615	4912	1100	200	1000	940	6000 L	950	2	1087 kg	577	922	1030 kg	TFGT	5

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