

Redonnons le meilleur à la terre

4816
09/04/2019

Technical description

A hydrocarbon separator is designed to separate and store free hydrocarbons contained in runoff water. These hydrocarbon separators without by-pass equipped with a lifting compartment are ideal for treating and lifting water from covered car parks.

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 the run-off water.

The silt storage compartment allows settling and trapping suspended matter > 200µm as sand, sludge and gravel.

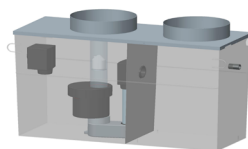
The coalescence system, thanks to its large specific surface area, concentrates the free hydrocarbons by encouraging their collision. The hydrocarbons then rise to the surface.

The automatic shutter (float) avoids any risk of hydrocarbon releasing. An independent compartment allows the integration of lifting pumps (consult our sales department for advice on the choice of pumps).

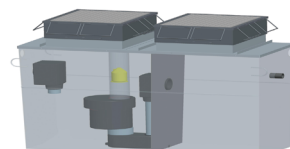
Closing system

- 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



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.

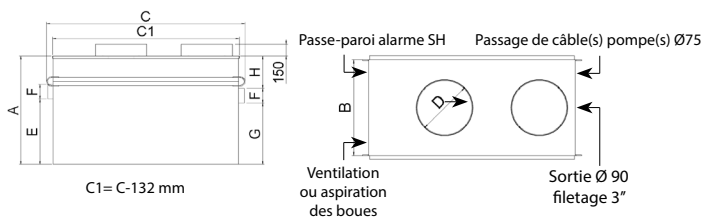
General maintenance instructions E104 are available on our website.

Concerning the pumps: a maintenance contract with a specialised company must be signed at the time of commissioning - this service is only available in metropolitan France.

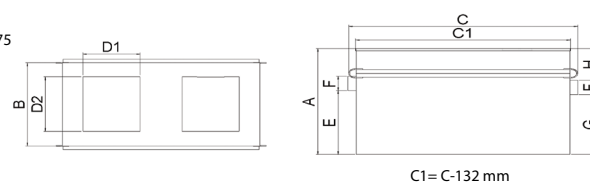
Handling - installation

Refer to the 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			
SH4816/03/00	SH4816/03/RP2T	3	1220	823	2115	804	110	880	340	300 L	600	2	278 kg	577	673	247 kg	TFPT	2			
SH4816/06/00	SH4816/06/RG3T	6	1360	1076	2780	873	160	1005	355	600 L	750	2	464 kg	577	922	409 kg	TFGT	3			
SH4816/10/00	SH4816/10/RG4T	10	1500	1314	3621	873	160	1131	369	1000 L	950	2	750 kg	577	922	676 kg	TFGT	4			
SH4816/15/00	SH4816/15/RG4T	15	1810	1465	3971	1053	200	1442	368	1500 L	950	2	810 kg	577	922	737 kg	TFGT	4			

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