

Redonnons le meilleur à la terre

4798
23/03/2017

Technical definition

A hydrocarbon separator is designed to separate and store free hydrocarbons contained in runoff water. These hydrocarbon separators have no by-passes but are fitted with a de-silter. They are used to trap suspended matter (sand, gravel), and are ideal for treating water from multi-storey car parks, petrol stations and garages. For washing areas, provide an additional V200 de-silter to achieve a volume of V300.

Reminder: The hydrocarbon level alarm is mandatory in additional equipment, unless dispensation from local authorities has been obtained.

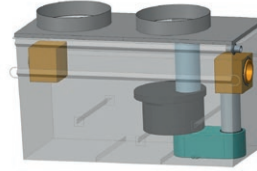
Operation

The hydrocarbon separator's principle of operation is based on separation by the difference in density between the non-soluble liquids (density 0.85) contained in runoff water. The de-silter compartment is used for decanting and for trapping suspended matter > 200 µm. Thanks to its large specific surface area, the coalescence system is able to concentrate free hydrocarbons by encouraging collisions between them. The hydrocarbons then float to the surface. The automatic stopper (float) eliminates any risk of hydrocarbon release.

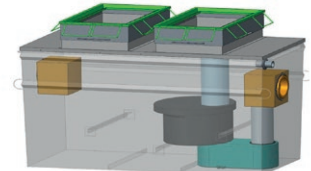
Sealing system

- For devices with prime(s): provide a cast-iron circular buffer, 125, 250 or 400 KN depending on the rolling load.
- For devices without a sealing kit: select either one or more 3 KN cast-iron buffers suggested in the table below, or refer to technical sheet 4984 to select the steel extension shafts with suitable 125 or 250 KN cast-iron buffers.

Hydrocarbon separator with circular prime(s)



Hydrocarbon separator without sealing kit



Benefits

- COMPLIANT WITH STANDARDS NF EN 858-1 AND NF EN 858-2
- HELD WITHIN THE GROUND LAYER UP TO THE OUTLET WATER PIPE
- ABOVE-GROUND INSTALLATION POSSIBLE UP TO SIZE 10
- EASY TO MAINTAIN
- PRODUCTS IN STOCK

Maintenance

An annual inspection must be carried out to check that the device is operating correctly.

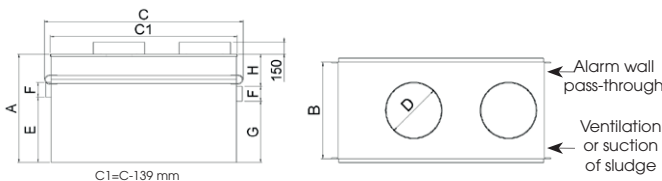
It is recommended to drain the device when the sludge reaches 50% of the useful volume of the de-silter or when hydrocarbons make up 80% of the separator's retention capacity (cf. NF P16-442). After each time that it is drained, the device must be refilled with water and the buoyancy of the stopper must be checked.

General maintenance instructions E104 are available on our website.

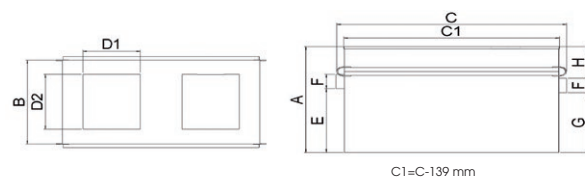
Handling - installation

Refer to the PHACIER instructions before handling or installing the separator.

Hydrocarbon separator with circular prime(s):



Hydrocarbon separator without a sealing kit:



Extension shaft prime		Without sealing kit																	
Reference	Reference	Size in l/s	A	B	C	E	F	G	H	Volume flow	D	Number TH	Weight in total	D1	D2	Weight without buffer	3 KN cast-iron buffer	Number of buffers	
SH4/4798/01/00	SH4/4798/01	RP1L	1.5	890	724	1080	705	110	655	125	150 L	600	1	102 kg	673	577	104 kg	TFPL	1
SH4/4798/03/00	SH4/4798/03	RP1L	3	1020	717	1245	700	110	650	260	300 L	600	1	127 kg	673	577	130 kg	TFPL	1
SH4/4798/06/00	SH4/4798/06	RP2T	6	1220	807	1840	800	160	750	310	600 L	750	1	216 kg	577	673	221 kg	TFPT	2
SH4/4798/08/00	SH4/4798/08	RG1L	8	1360	1054	1690	850	160	800	400	800 L	750	1	256 kg	577	922	256 kg	TFGT	1
SH4/4798/10/00	SH4/4798/10	RG2T	10	1360	1054	1965	825	160	775	425	1000 L	750	1	287 kg	577	922	291 kg	TFGT	2
SH4/4798/15/00	SH4/4798/15	RG2T	15	1360	1073	2455	860	200	810	350	1500 L	750	2	330 kg	577	922	335 kg	TFGT	2
SH4/4798/20/00	SH4/4798/20	RG3T	20	1500	1073	3145	870	200	820	480	2000 L	750	2	465 kg	577	922	474 kg	TFGT	3
SH4/4798/25/00	SH4/4798/25	RG3T	25	1500	1313	3145	870	250	820	430	2500 L	950	2	520 kg	577	922	524 kg	TFGT	3
SH4/4798/30/00	SH4/4798/30	RG4T	30	1710	1313	3495	950	250	900	560	3000 L	950	2	617 kg	577	922	628 kg	TFGT	4
SH4/4798/35/00	SH4/4798/35	RG4T	35	1810	1463	3495	1050	315	1000	495	3500 L	950	2	677 kg	577	922	688 kg	TFGT	4
SH4/4798/40/00	SH4/4798/40	RG4T	40	1810	1463	3845	1050	315	1000	495	4000 L	950	2	730 kg	577	922	741 kg	TFGT	4
SH4/4798/50/00	SH4/4798/50	RG4T	50	1940	1613	4045	1100	315	1050	575	5000 L	950	2	839 kg	577	922	850 kg	TFGT	4

Options:
 ANH22/14310-N: Visual and audio hydrocarbon alarm 220V (only 1 hydrocarbon sensor possible) ANH22/14320: Visual and audio hydrocarbon alarm 220V (3 sensors possible)
 ANH22/14506: Hydrocarbon alarm with power provided by solar panel (connection of up to 6 sensors on 2 different separators)
 OD4/100: Sludge suction device OD4/2102-...: Gravity drainage of hydrocarbons