

HYDROCARBON SEPARATOR EC 5 MG/L V100 SLUDGE TRAP CIRCULAR PRIMER OR WITHOUT CLOSURE KIT

4798

1 Technical definition

A hydrocarbon separator is designed to separate and store free hydrocarbons contained in runoff water.

These non-bypass hydrocarbon separators are fitted with a sludge trap to remove suspended solids (sand, gravel), and are ideal for treating water from parking lots, service stations and garages. For washing areas, add a V200 sludge trap to obtain a V300 volume.

Reminder the hydrocarbon level alarm is mandatory as additional equipment unless exempted by the local authorities.

2 Operation

The hydrocarbon separator operates by separating non-soluble liquids (density 0.85) contained in run-off water by density difference. The silt storage compartment settles and traps suspended solids > 200µm.

Thanks to its large specific surface area, the coalescing system concentrates free hydrocarbons, encouraging them to collide. The hydrocarbons then rise to the surface. The automatic shutter (float) prevents any risk of hydrocarbons being released.

3 Maintenance

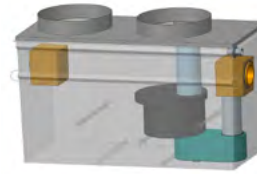
An annual inspection visit must be carried out in order to check the operation of the device.

It is recommended to drain the unit when sludge reaches 50% of the useful volume of the sludge trap, or when hydrocarbons occupy 80% of the separator's retention capacity (cf. NF P16-442).

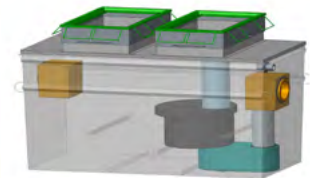
After each draining operation, the unit must be refilled with water and the obturator checked for buoyancy.

General E104 maintenance instructions available on our website.

Oil separator with circular primer(s)



Oil separator without closure kit



4 Advantages

- COMPLIANT WITH NF EN 858-1 AND NF EN 858-2 STANDARDS
- WATER TABLE RESISTANCE UP TO OUTLET WATER LEVEL
- ABOVE-GROUND INSTALLATION POSSIBLE UP TO SIZE 10
- EASY MAINTENANCE
- PRODUCTS IN STOCK

5 Closing system

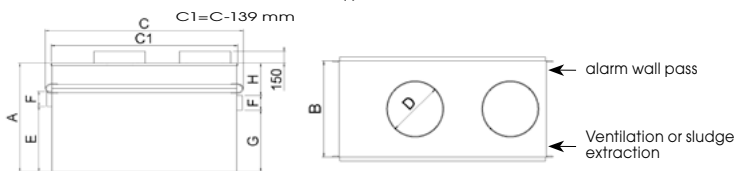
- For devices with primer(s) : provide a cast-iron circular buffer 125, 250 or 400 KN depending on the rolling load.

- For devices without a closing kit : either select one of the 3 KN buffers shown in the table below, or refer to data sheet 4984 to select the steel risers with the appropriate 125 or 250Kn cast-iron buffers.

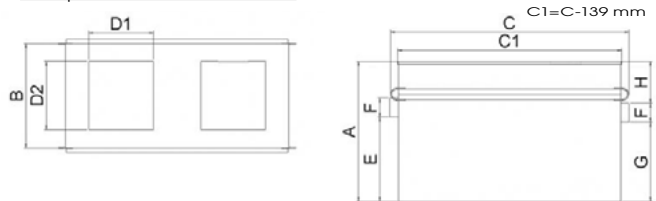
6 Handling - Installation

Please refer to the PHACIER manual before handling and installing the separator

Oil separator with circular primer(s) :



Oil separator without closure kit :



Primer for enhancement		Without closure kit												Primer for enhancement			Without closure kit			
Reference	Reference	Size in l/s		A	B	C	E	F	G	H	Vol. sludge trap.	D	Nb. Manholes	Total weight	D1	D2	Weight without pad	Stainless steel pad 3 kn	Number of pads	
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: 220V audible and visual hydrocarbon alarm (only 1 hydrocarbon sensor possible)

ANH22/14320: visual and audible hydrocarbon alarm 220V (3 probes possible)

ANH22/14506 : Hydrocarbon alarm with solar panel power supply (connection of up to 6 probes installed on 2 different separators)

OD4/100: Sludge suction device

OD4/2102-... gravity drainage of hydrocarbons

Cast iron pad and extension, see technical sheet 4984