



Light fluid and grease separator



sepa.compact

Light fluid separator

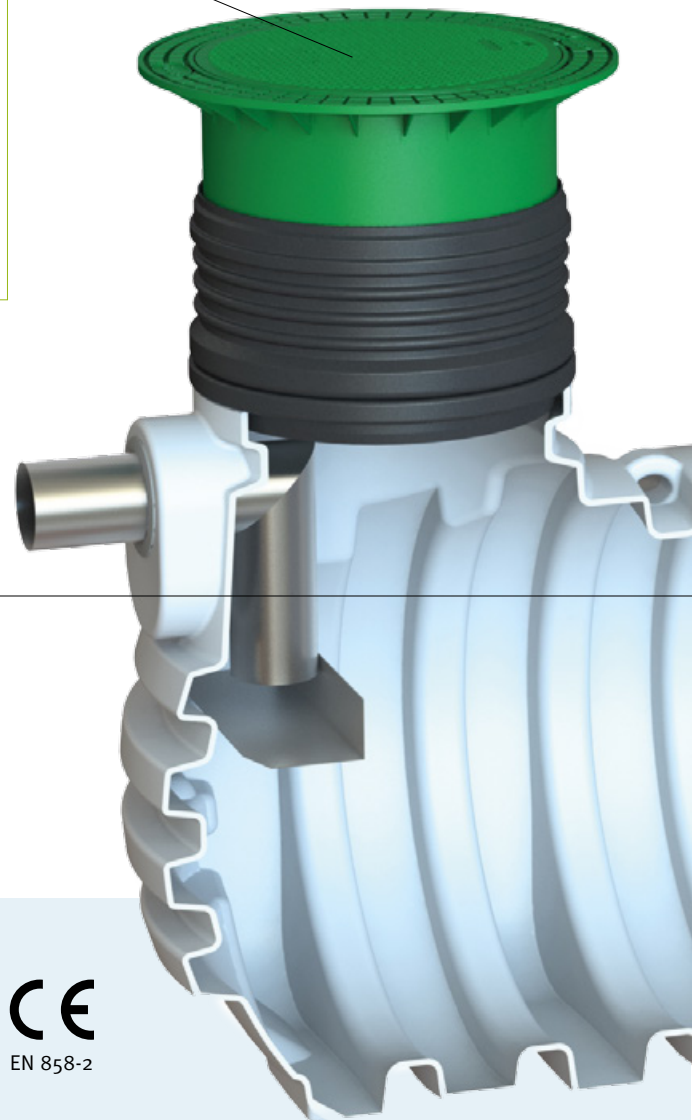
Separator systems for light fluid liquids class I + II

Separators are needed wherever water is contaminated with oils and other light liquids. Separator systems are classified according to NS (NormSize). When you submit an enquiry for a separator system, we calculate the NS you require based on the maximum possible throughflow. Operators of the following facilities must ensure that a suitable, functioning separator is installed: Car washes, workshops, fuel stations, vehicle fleets, hazardous goods stores

Coalescence separator and fuel separator

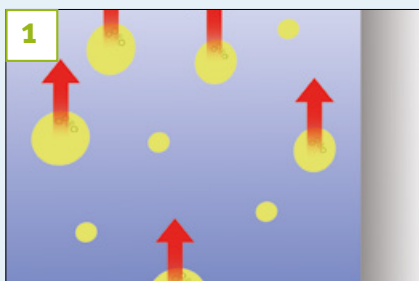
The sepa.compact+ separator systems are coalescence separators of class I. They feature an additional coalescence unit that enables a much higher degree of separation. The sepa.compact separator systems are fuel separators of class II. A fuel separator achieves a degree of separation of less than 100 mg residual oil per litre of water. With a coalescence unit, this can be reduced to less than 5 mg/l.

Tank cover

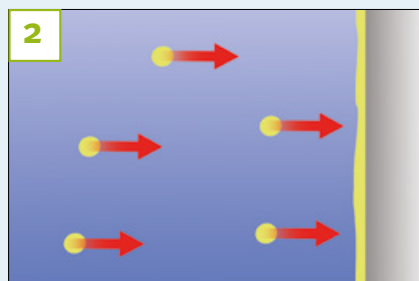


Coalescence unit only included with sepa.compact+ system

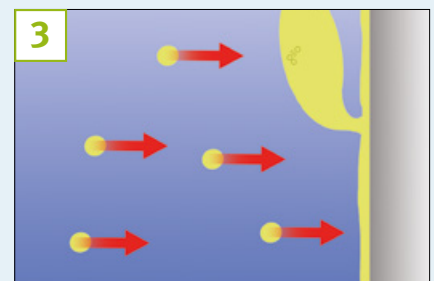
CE
EN 858-2



In addition to easily separate drops of oil, a light fluid separator also contains very fine oil droplets whose density is not sufficiently different from water for them to rise to the surface in the available time. These droplets therefore remain in the outflowing water.



To separate out these smaller droplets, a coalition material is fitted before the discharge to which the droplets stick and form a oil film.



As more oil flows in, the film becomes thicker until it can no longer adhere to the material. Individual drops break off the film, which are large enough to rise to the surface through difference in density and be separated out.

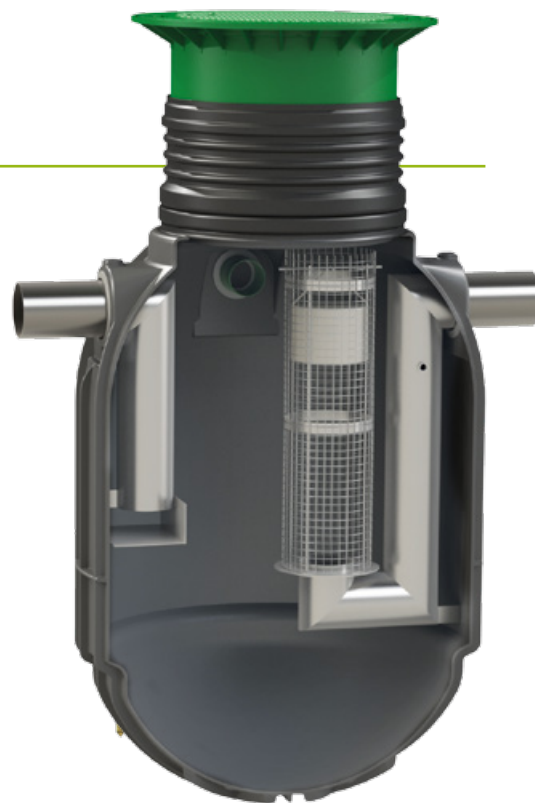
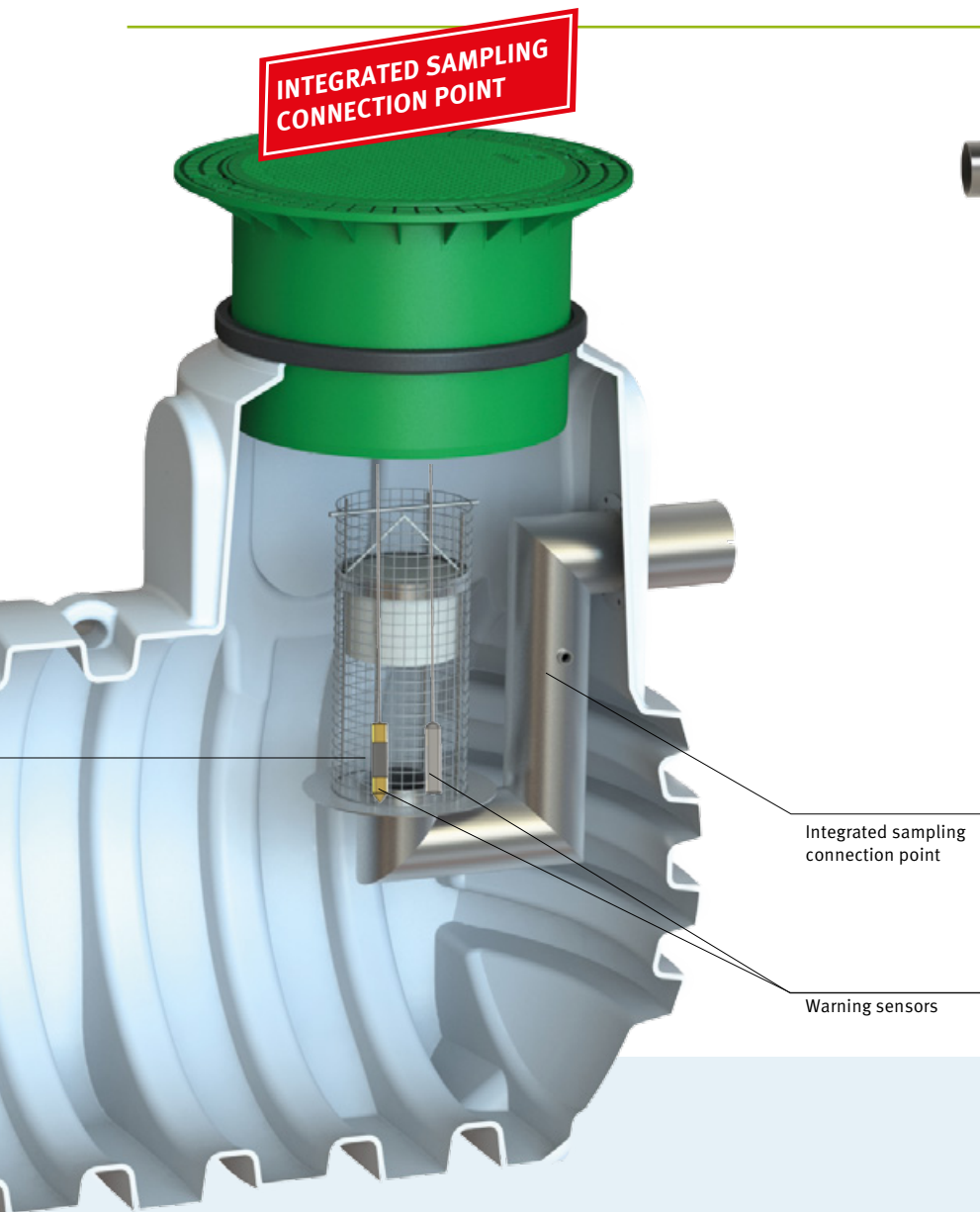


Illustration shows Saphir NS 3 *sepa.compact+* with coalescence unit, integrated sampling connection point and warning sensors

Warning sensors
 >> different warning systems on request

Dimensions Saphir

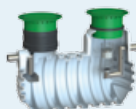


NS [l/s]	ø DN [mm]	Length [mm]	Width [mm]	Height [mm]	Weight [kg]
3 (0.79 US gal./s)	150 (6")	116 (4.6")	116 (4.6")	1760–2150 (5' 9"–7' 1")	90 (198 lbs.)

Tank volume

Oil [l]	Sludge [l]	Total [l]
500 (132 US gal.)	400 (105 US gal.)	1,090 (288 US gal.)

Dimensions Diamant



NS [l/s]	ø DN [mm]	Length [mm]	Width [mm]	Height [mm]	Weight [kg]
3 (0.79 US gal./s)	150 (6")	2450 (8')	1150 (3' 9")	1760–2150 (5' 9"–7' 1")	185 (408 lbs.)
6 (1.60 US gal./s)	150 (6")	2450 (8')	1150 (3' 9")	1760–2150 (5' 9"–7' 1")	185 (408 lbs.)
10 (2.64 US gal./s)	150 (6")	2450 (8')	1150 (3' 9")	1760–2150 (5' 9"–7' 1")	185 (408 lbs.)

Tank volume

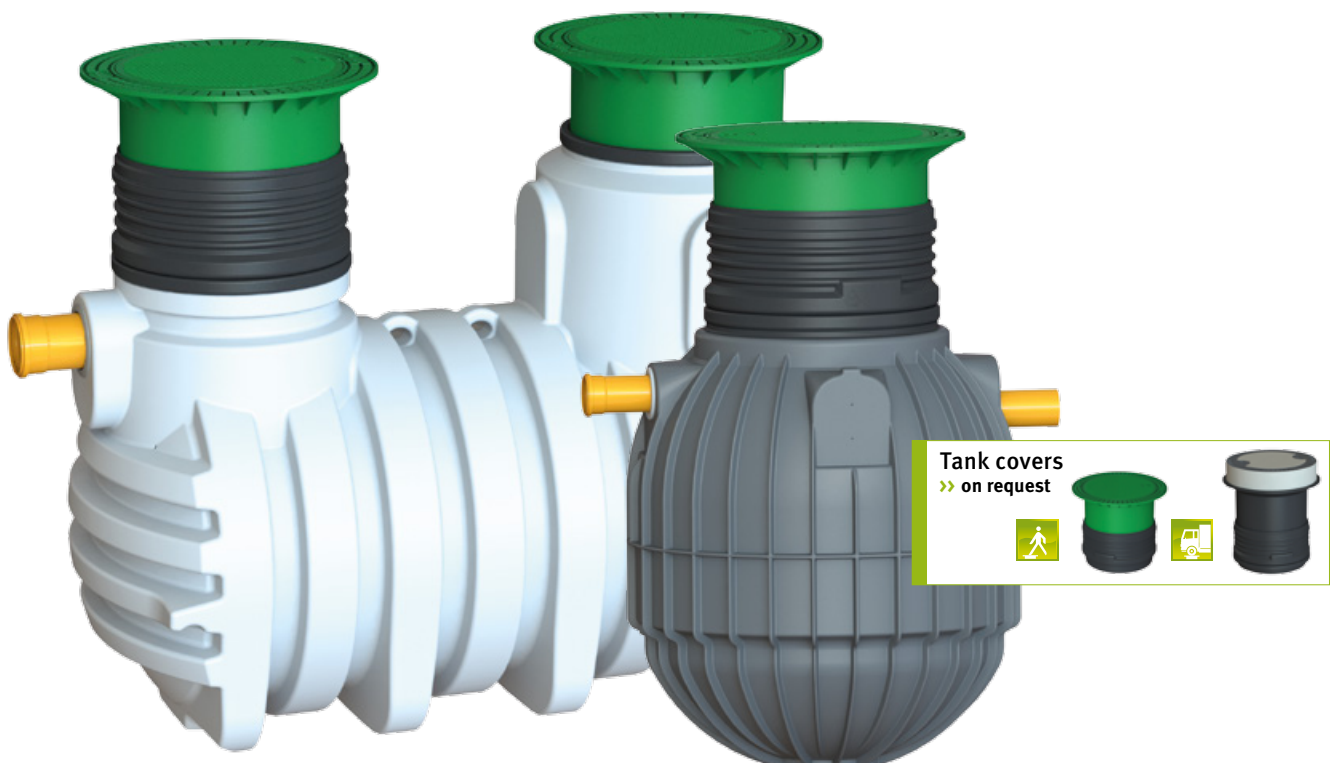
Oil [l]	Sludge [l]	Total [l]
500 (132 US gal.)	1,500 (396 US gal.)	2,150 (568 US gal.)
500 (132 US gal.)	1,500 (396 US gal.)	2,150 (568 US gal.)
500 (132 US gal.)	1,500 (396 US gal.)	2,150 (568 US gal.)



In operations where wastewater containing, this wastewater must be treated separately using a separator before being discharged to the sewer system. A recitation system works according to the phase separation principle. It consists of a precipitation area, a grease

collector, a sludge trap and a sampling point. The system reduces the flow rate of the wastewater to allow solids – such as food leftovers – to sink and settle in the sludge trap. Fats, which have a lower density than water, float to the surface. Once the grease is removed, the waste-

water is flowing to the sewer system. The choice of nominal size for the separator is specified in EN 1825. The wastewater requirements of the relevant authority must be complied with (e.g. 14-day emptying; monthly emptying with the approval of the relevant authority).



Grease separator

Saphir and Diamant



Dimensions Saphir

NS [l/s]	ø DN [mm]	ø Tank body [mm]	Height [mm]	Weight [kg]
1 (0.26 US gal./s)	100 (4")	1130 (3' 9")	1480–1680 (4' 10"–5' 6")	35 (77 lbs.)
2 (0.52 US gal./s)	100 (4")	1130 (3' 9")	1480–1680 (4' 10"–5' 6")	35 (77 lbs.)
2 (0.52 US gal./s)	100 (4")	1160 (3' 10")	1780–1980 (5' 10"–6' 6")	55 (121 lbs.)
2 (0.52 US gal./s)	100 (4")	1160 (3' 10")	1780–1980 (5' 10"–6' 6")	55 (121 lbs.)
2 (0.52 US gal./s)	100 (4")	1160 (3' 10")	2110–2310 (6' 11"–7' 7")	67 (148 lbs.)
4 (1.05 US gal./s)	100 (4")	1160 (3' 10")	2110–2310 (6' 11"–7' 7")	67 (148 lbs.)

Tank volume

Grease [l]	Sludge [l]	Total [l]
200 (52 US gal)	200 (52 US gal)	490 (129 US gal)
200 (52 US gal)	200 (52 US gal)	490 (129 US gal)
400 (105 US gal)	200 (52 US gal)	770 (203 US gal)
200 (52 US gal)	400 (105 US gal)	770 (203 US gal)
300 (79 US gal)	500 (132 US gal)	1,070 (283 US gal)
300 (79 US gal)	500 (132 US gal)	1,070 (283 US gal)



Dimensions Diamant

NS [l/s]	ø DN [mm]	Length [mm]	Width [mm]	Height [mm]	Weight [kg]
4 (1.05 US gal./s)	150 (6")	2450 (8')	1150 (3' 9")	1760–2150 (5' 9"–7' 1")	155 (341 lbs.)
7 (1.85 US gal./s)	150 (6")	2450 (8')	1150 (3' 9")	1760–2150 (5' 9"–7' 1")	155 (341 lbs.)
10 (2.64 US gal./s)	200 (8")	2450 (8')	1400 (4' 7")	2010–2400 (6' 7"–7' 11")	235 (518 lbs.)
15 (3.96 US gal./s)	200 (8")	2450 (8')	1400 (4' 7")	2010–2400 (6' 7"–7' 11")	235 (518 lbs.)

Tank volume

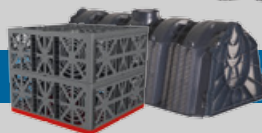
Grease [l]	Sludge [l]	Total [l]
350 (92 US gal)	700 (185 US gal)	2,070 (546 US gal)
350 (92 US gal)	700 (185 US gal)	2,070 (546 US gal)
600 (158 US gal)	1,500 (396 US gal)	3,160 (835 US gal)
600 (158 US gal)	1,500 (396 US gal)	3,160 (835 US gal)



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For more information about our wastewater treatment solutions, ask for our catalogue.

Prices:

A price list with our export conditions is available on request.

Warranty clause:

The warranty mentioned in this brochure only refers to the tank in question and not to the accessories. Within the warranty period we grant free replacement of the material. Further benefits are excluded. Pre-condition for warranty benefits are proper handling, assembly and installation according to the mounting guidelines.

N.B. Protect tanks from frost when installed above ground! In case of groundwater installation, please contact us for further information prior to purchase!

For all dimensions and abstracts provided in this brochure, we reserve a tolerance of +/- 3%. Depending on the connection type, the useful volume of the underground tanks may be up to 10% below the tank capacity.

Subject to technical modifications and errors. Design details, methods and standards of individual products may change as a result of technical advancements and environmental regulations.

For all our offers and conclusions of contract, only our General Terms and Conditions of Business dated 01/10/2012 shall apply, which we will send to you on request.

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Otto Graf GmbH
Kunststoffzeugnisse
Carl-Zeiss-Straße 2-6
79331 Teningen, Germany

Phone: +49 7641 589-0
Fax: +49 7641 589-50
mail@graf.info
www.graf-water.com

Graf UK Ltd
Target House
Thorpe Way Industrial
Estate
Banbury

Oxfordshire
OX16 4SP
Phone: +44 1608 661-500
info@grafuk.co.uk
www.grafuk.co.uk

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