



GREASE SEPARATORS

Grease separators

Standard version (to install in consolidated sand)

Reinforced version (to install in sand)

Without and with mud trap



According to EN 1825-1



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The published rates are exclusive of VAT, and ex works.



WHAT IS A GREASE SEPARATOR ?

Why installing a grease separator?

They have the task in the waste water common to hold back vegetable and animal fats and oils, as well as the sedimentation, so are problems such as clogging of drain pipes, bad smell and the municipal waste water treatment plants also relieved.

ADVANTAGES:

Easy to install because of its light weight

Tanks are easy to clean because nothing sticks on PE. So entering the tank is not necessary.

Guaranteed watertight

Now possibility that roots grow trough the tank.

The tank is corrosion resistant.

The reinforced horizontal tanks equipped with 2 lifting eyes.

Equipped with a plastic cover that must be replaced by a steel ore plastic cover that meets the legislation.

All tanks have a welded riser.

The reinforced grease separators up to 10 l/s are CE approved according to EN1825-1.

CHARACTERISTICS

A grease trap removes grease (vegetable and animal fat) from the wastewater. In the following circumstances the installation of a grease trap may be necessary:

- Individual dwellings: in order to prevent blockage of the pipes if the wastewater treatment system used is located too far from the kitchen
- In restaurants, hotels, bars, schools, butchers, caterers... In these cases, a grease trap is always required.

The volume of the grease trap depends on the flow rate discharged, as well as on the temperature of the water and the contamination load: Please contact our technical service in order to determine which type of grease trap would be best for you.

For grease traps two versions exist with sludge collector:

- Built-in sludge collector: this type has a partition in the tank allowing the first compartment to function as a sludge collector (VVS).
- Built-on sludge collector: in this case a tank has been installed before the grease trap. The big advantage is that installation of this type is easier and quicker than the installation of the type with a built-in sludge collector (VVAS).

The grease trap has been designed in accordance with the EN 1825-1 standard, and meets with the following demands:

Liquid surface:	0,25 m ² per liter per second
Retention time:	3 minutes
Performance:	92 %
Grease holding capacity:	40 liters, per liter per second of the grease trap

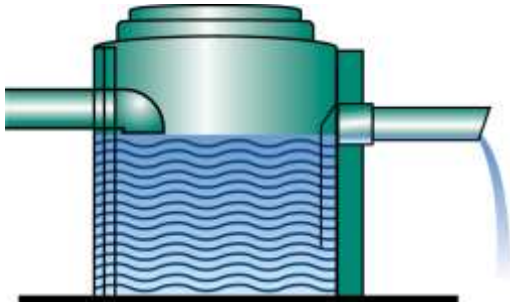
All are equipped with an adaptable riser.

FUNCTIONING OF THE GREASE SEPARATORS

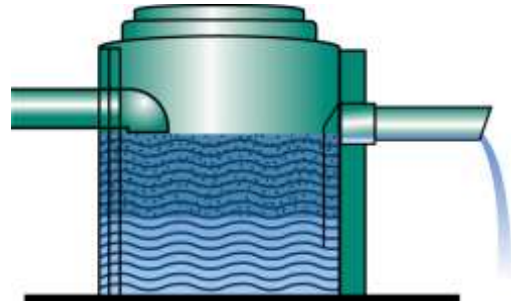
The greasy water from the kitchen and/or the dishwasher enters the tank by means of an anti-splash device. The grease will separate from the water for two reasons:

- The density of grease is lower than the density of water, so it floats to the surface.
- The grease solidifies once it enters into contact with the cold water of the grease trap.

The grease collects on the surface of the water. At the outlet of the installation a baffle is installed to prevent the discharge of grease.



Grease trap in initial use (clear water, no grease)

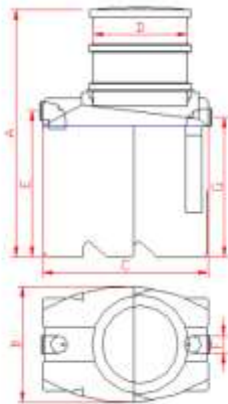


Grease trap saturated (grease layer floats on top)

Grease separators

Standard version – without mud trap – 1,5 l/s – 3 l/s – 6 l/s

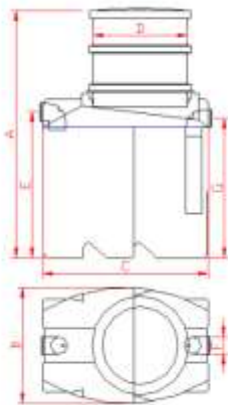
VV2/01/1



Installation in 15 cm consolidated sand	
Color	Black
Volume	300 liter
Flow rate	1,5 l/s
Volume mud trap	-
Length	830 mm (C)
Width	760 mm (B)
Height	1.550 mm (A)
Height in	915 mm (E)
Height put	875 mm (G)
Diameter in/out	110 mm (F)
Diameter manhole	600 mm (D)
Weight	35 kg
Price - C02	

Dimensions are in mm and informative. Subject to alterations.

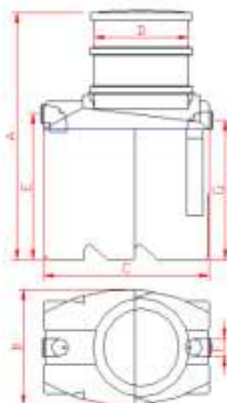
VV2/03/1



Installation in 15 cm consolidated sand	
Color	Black
Volume	500 liter
Flow rate	3 l/s
Volume mud trap	-
Length	1.100 mm (C)
Width	760 mm (B)
Height	1.550 mm (A)
Height in	915 mm (E)
Height put	875 mm (G)
Diameter in/out	110 mm (F)
Diameter manhole	600 mm (D)
Weight	55 kg
Price - C02	

Dimensions are in mm and informative. Subject to alterations.

VV2/06/1

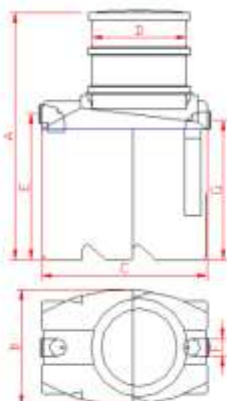


Installation in 15 cm consolidated sand	
Color	Black
Volume	850 liter
Flow rate	6 l/s
Volume mud trap	-
Length	1.500 mm (C)
Width	1.050 mm (B)
Height	1.550 mm (A)
Height in	915 mm (E)
Height put	875 mm (G)
Diameter in/out	110 mm (F)
Diameter manhole	600 mm (D)
Weight	90 kg
Price - C02	

Dimensions are in mm and informative. Subject to alterations.

Standard version – with integrated mud trap 1,5 l/s – 3 l/s – 6 l/s

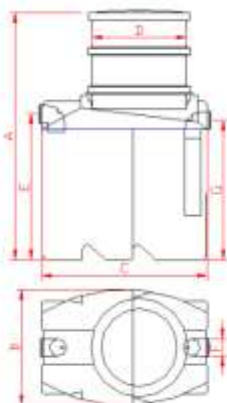
VVS2/01/1



Installation in 15 cm consolidated sand	
Color	Black
Volume	300 liter
Flow rate	1,5 l/s
Volume mud trap	150 liter
Length	830 mm (C)
Width	760 mm (B)
Height	1.550 mm (A)
Height in	915 mm (E)
Height put	875 mm (G)
Diameter in/out	110 mm (F)
Diameter manhole	600 mm (D)
Weight	35 kg
Price - C02	

Dimensions are in mm and informative. Subject to alterations.

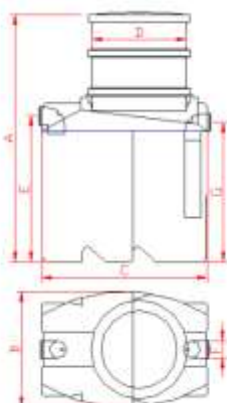
VVS2/03/1



Installation in 15 cm consolidated sand	
Color	Black
Volume	500 liter
Flow rate	3 l/s
Volume mud trap	310 liter
Length	1.100 mm (C)
Width	760 mm (B)
Height	1.550 mm (A)
Height in	915 mm (E)
Height put	875 mm (G)
Diameter in/out	110 mm (F)
Diameter manhole	600 mm (D)
Weight	55 kg
Price - C02	

Dimensions are in mm and informative. Subject to alterations.

VVS2/06/1



Installation in 15 cm consolidated sand	
Color	Black
Volume	850 liter
Flow rate	6 l/s
Volume mud trap	600 liter
Length	1.500 mm (C)
Width	1.050 mm (B)
Height	1.550 mm (A)
Height in	915 mm (E)
Height put	875 mm (G)
Diameter in/out	110 mm (F)
Diameter manhole	600 mm (D)
Weight	90 kg
Price - C02	

Dimensions are in mm and informative. Subject to alterations.

Standard version – with build-on mud trap – 1,5 l/s – 3 l/s – 6 l/s

VVAS2/01/3



Installation in 15 cm consolidated sand	
Color	Black
Volume	600 liter
Flow rate	1,5 l/s
Volume mud trap	300 liter
Length	1.660 mm
Width	760 mm
Height	1.550 mm
Height in	915 mm
Height put	875 mm
Diameter in/out	110 mm
Diameter manhole	600 mm
Weight	70 kg
Price - C02	
<small>Dimensions are in mm and informative. Subject to alterations.</small>	

VVAS2/01/5



Installation in 15 cm consolidated sand	
Color	Black
Volume	800 liter
Flow rate	1,5 l/s
Volume mud trap	500 liter
Length	1.930 mm
Width	760 mm
Height	1.550 mm
Height in	915 mm
Height put	875 mm
Diameter in/out	110 mm
Diameter manhole	600 mm
Weight	90kg
Price - C02	
<small>Dimensions are in mm and informative. Subject to alterations.</small>	

VVAS2/01/8



Installation in 15 cm consolidated sand	
Color	Black
Volume	1.150 liter
Flow rate	1,5 l/s
Volume mud trap	850 liter
Length	2.330 mm
Width	1.050 mm
Height	1.550 mm
Height in	915 mm
Height put	875 mm
Diameter in/out	110 mm
Diameter manhole	600 mm
Weight	125 kg
Price - C02	
<small>Dimensions are in mm and informative. Subject to alterations.</small>	

VVAS2/03/3



Installation in 15 cm consolidated sand	
Color	Black
Volume	800 liter
Flow rate	3 l/s
Volume mud trap	300 liter
Length	1.930 mm
Width	760 mm
Height	1.550 mm
Height in	915 mm
Height put	875 mm
Diameter in/out	110 mm
Diameter manhole	600 mm
Weight	90 kg
Price - C02	

Dimensions are in mm and informative. Subject to alterations.

VVAS2/03/5



Installation in 15 cm consolidated sand	
Color	Black
Volume	1.000 liter
Flow rate	3 l/s
Volume mud trap	500 liter
Length	2.200 mm
Width	760 mm
Height	1.550 mm
Height in	915 mm
Height put	875 mm
Diameter in/out	110 mm
Diameter manhole	600 mm
Weight	110 kg
Price - C02	

Dimensions are in mm and informative. Subject to alterations.

VVAS2/03/8



Installation in 15 cm consolidated sand	
Color	Black
Volume	1.350 liter
Flow rate	3 l/s
Volume mud trap	850 liter
Length	2.600 mm
Width	1.050 mm
Height	1.550 mm
Height in	915 mm
Height put	875 mm
Diameter in/out	110 mm
Diameter manhole	600 mm
Weight	145 kg
Price - C02	

Dimensions are in mm and informative. Subject to alterations.

VVAS2/06/3



Installation in 15 cm consolidated sand	
Color	Black
Volume	1.150 liter
Flow rate	6 l/s
Volume mud trap	300 liter
Length	2.330 mm
Width	1.050 mm
Height	1.550 mm
Height in	915 mm
Height put	875 mm
Diameter in/out	110 mm
Diameter manhole	600 mm
Weight	125 kg
Price - C02	

Dimensions are in mm and informative. Subject to alterations.

VVAS2/06/5



Installation in 15 cm consolidated sand	
Color	Black
Volume	1.350 liter
Flow rate	6 l/s
Volume mud trap	500 liter
Length	2.600 mm
Width	1.050 mm
Height	1.550 mm
Height in	915 mm
Height put	875 mm
Diameter in/out	110 mm
Diameter manhole	600 mm
Weight	145 kg
Price - C02	

Dimensions are in mm and informative. Subject to alterations.

VVAS2/06/8



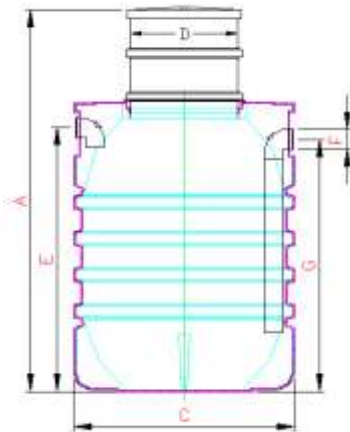
Installation in 15 cm consolidated sand	
Color	Black
Volume	1.700 liter
Flow rate	6 l/s
Volume mud trap	850 liter
Length	3.000 mm
Width	1.050 mm
Height	1.550 mm
Height in	915 mm
Height put	875 mm
Diameter in/out	110 mm
Diameter manhole	600 mm
Weight	180 kg
Price - C02	

Dimensions are in mm and informative. Subject to alterations.

Grease separators

Reinforced version – without mud trap – 1,5 l/s – 3 l/s – 6 l/s – 8 l/s

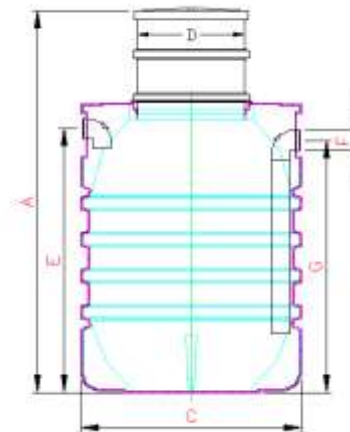
VV2/01/2 CE



Installation in sand	
Color	Black
Volume	1.100 liter
Flow rate	1,5 l/s
Volume mud trap	-
Length	1.180 mm (C)
Width	1.180 mm (C)
Height	1.910 mm (A)
Height in	1.250 mm (E)
Height put	1.200 mm (G)
Diameter in/out	110 mm (F)
Diameter manhole	600 mm (D)
Weight	50 kg
Price - C02	

Dimensions are in mm and informative. Subject to alterations.

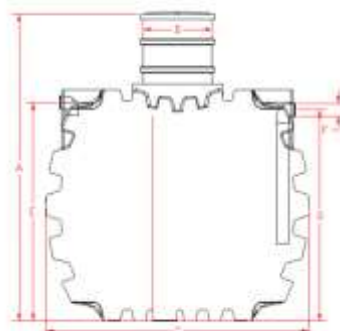
VV2/03/2 CE



Installation in sand	
Color	Black
Volume	1.600 liter
Flow rate	3 l/s
Volume mud trap	-
Length	1.290 mm (C)
Width	1.290 mm (C)
Height	2.250 mm (A)
Height in	1.500 mm (E)
Height put	1.450 mm (G)
Diameter in/out	110 mm (F)
Diameter manhole	600 mm (D)
Weight	60 kg
Price - C02	

Dimensions are in mm and informative. Subject to alterations.

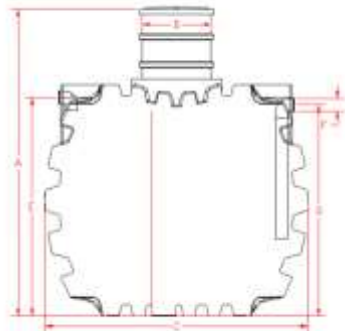
VV2/06/2 CE



Installation in sand	
Color	Black
Volume	2.400 liter
Flow rate	6 l/s
Volume mud trap	-
Length	2.350 mm (C)
Width	1.350 mm
Height	1.850 mm (A)
Height in	1.220 mm (E)
Height put	1.180 mm (G)
Diameter in/out	125 mm (F)
Diameter manhole	600 mm (D)
Weight	110 kg
Price - C02	

Dimensions are in mm and informative. Subject to alterations.

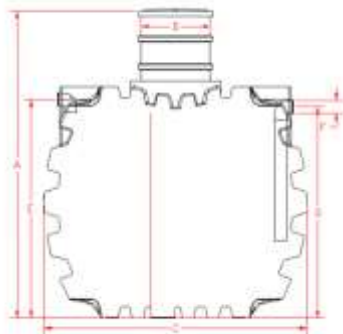
VV2/08/2 CE



Installation in sand	
Color	Black
Volume	2.400 liter
Flow rate	8 l/s
Volume mud trap	-
Length	2.350 mm (C)
Width	1.350 mm
Height	1.850 mm (A)
Height in	1.220 mm (E)
Height put	1.180 mm (G)
Diameter in/out	160 mm (F)
Diameter manhole	600 mm (D)
Weight	110 kg
Price - C02	

Dimensions are in mm and informative. Subject to alterations.

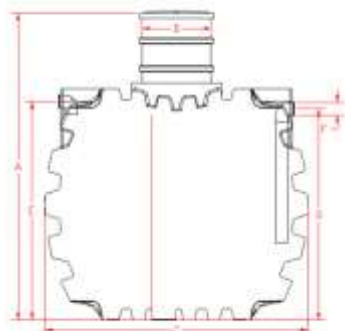
VV2/10/2 CE



Installation in sand	
Color	Black
Volume	3.300 liter
Flow rate	10 l/s
Volume mud trap	-
Length	2.390 mm (C)
Width	1.610 mm
Height	2.210 mm (A)
Height in	1.450 mm (E)
Height put	1.400 mm (G)
Diameter in/out	160 mm (F)
Diameter manhole	600 mm (D)
Weight	180 kg
Price - C02	

Dimensions are in mm and informative. Subject to alterations.

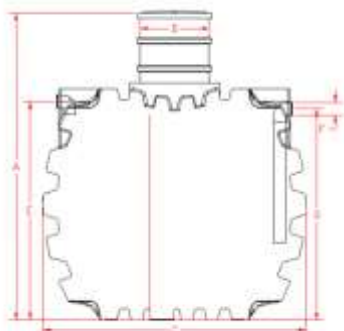
VV2/15/2



Installation in sand	
Color	Black
Volume	3.300 liter
Flow rate	15 l/s
Volume mud trap	-
Length	2.390 mm (C)
Width	1.610 mm
Height	2.210 mm (A)
Height in	1.450 mm (E)
Height put	1.400 mm (G)
Diameter in/out	160 mm (F)
Diameter manhole	600 mm (D)
Weight	180 kg
Price - C02	

Dimensions are in mm and informative. Subject to alterations.

VV2/20/2

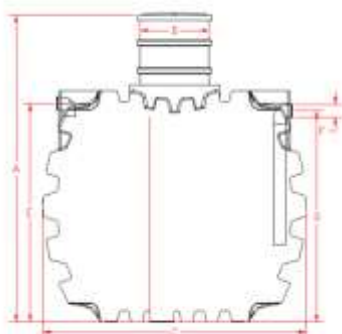


Installation in sand	
Color	Black
Volume	6.000 liter
Flow rate	20 l/s
Volume mud trap	-
Length	2.400 mm (C)
Width	2.070 mm
Height	2.470 mm (A)
Height in	1.850 mm (E)
Height put	1.800 mm (G)
Diameter in/out	200 mm (F)
Diameter manhole	600 mm (D)
Weight	270 kg
Price - C02	

Dimensions are in mm and informative. Subject to alterations.

Reinforced version – with integrated mud trap – 6 l/s – 8 l/s – 10 l/s – 15 l/s – 20 l/s

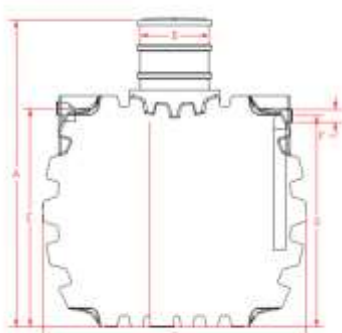
VVS2/06/2



Installation in sand	
Color	Black
Volume	2.400 liter
Flow rate	6 l/s
Volume mud trap	1.200 liter
Length	2.350 mm (C)
Width	1.350 mm
Height	1.850 mm (A)
Height in	1.220 mm (E)
Height put	1.180 mm (G)
Diameter in/out	125 mm (F)
Diameter manhole	600 mm (D)
Weight	110 kg
Price - C02	

Dimensions are in mm and informative. Subject to alterations.

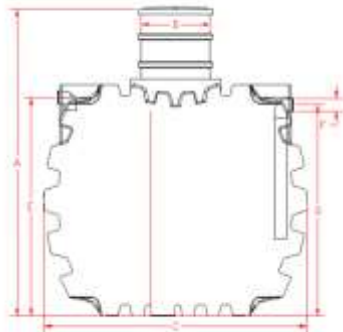
VVS2/08/2



Installation in sand	
Color	Black
Volume	2.400 liter
Flow rate	8 l/s
Volume mud trap	1.200 liter
Length	2.350 mm (C)
Width	1.350 mm
Height	1.850 mm (A)
Height in	1.220 mm (E)
Height put	1.180 mm (G)
Diameter in/out	125 mm (F)
Diameter manhole	600 mm (D)
Weight	110 kg
Price - C02	

Dimensions are in mm and informative. Subject to alterations.

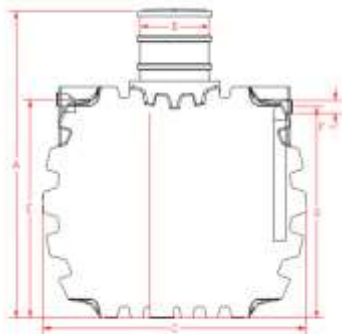
VVS2/10/2 **CE**



Installation in sand	
Color	Black
Volume	3.300 liter
Flow rate	10 l/s
Volume mud trap	1.600 liter
Length	2.390 mm (C)
Width	1.610 mm
Height	2.210 mm (A)
Height in	1.450 mm (E)
Height put	1.400 mm (G)
Diameter in/out	160 mm (F)
Diameter manhole	600 mm (D)
Weight	180 kg
Price - C02	

Dimensions are in mm and informative. Subject to alterations.

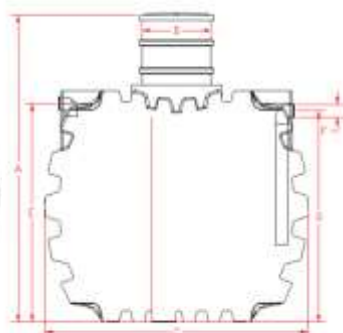
VVS2/15/2



Installation in sand	
Color	Black
Volume	3.300 liter
Flow rate	15 l/s
Volume mud trap	1.600 liter
Length	2.390 mm (C)
Width	1.610 mm
Height	2.210 mm (A)
Height in	1.450 mm (E)
Height put	1.400 mm (G)
Diameter in/out	200 mm (F)
Diameter manhole	600 mm (D)
Weight	180 kg
Price - C02	

Dimensions are in mm and informative. Subject to alterations.

VVS2/20/2



Installation in sand	
Color	Black
Volume	6.000 liter
Flow rate	20 l/s
Volume mud trap	3.000 liter
Length	2.400 mm (C)
Width	2.070 mm
Height	2.470 mm (A)
Height in	1.950 mm (E)
Height put	1.800 mm (G)
Diameter in/out	200 mm (F)
Diameter manhole	600 mm (D)
Weight	270 kg
Price - C02	

Dimensions are in mm and informative. Subject to alterations.

Reinforced version – with build-on mud trap – 1,5 l/s – 3 l/s

VVAS2/01/2 **CE**



Installation in sand	
Color	Black
Volume	1.100 liter
Flow rate	1,5 l/s
Volume mud trap	1.100 liter
Length	2.260 mm
Width	1.180 mm
Height	1.910 mm
Height in	1.250 mm
Height put	1.200 mm
Diameter in/out	110 mm
Diameter manhole	600 mm
Weight	110 kg
Price - C02	

Dimensions are in mm and informative. Subject to alterations.

VVAS2/03/2 **CE**



Installation in sand	
Color	Black
Volume	1.600 liter
Flow rate	3 l/s
Volume mud trap	1.600 liter
Length	2.580 mm
Width	1.290 mm
Height	2.250 mm
Height in	1.500 mm
Height put	1.450 mm
Diameter in/out	110 mm
Diameter manhole	600 mm
Weight	120 kg
Price - C02	

Dimensions are in mm and informative. Subject to alterations.

Options

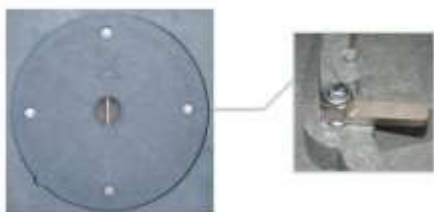


Sample pit: STP C

Color	Black
Height	600 mm
Diameter	480 mm
Height in	180 mm
Height out	180 mm
Weight	6 kg
Price – C05	

Dimensions are in mm and informative. Subject to alterations.

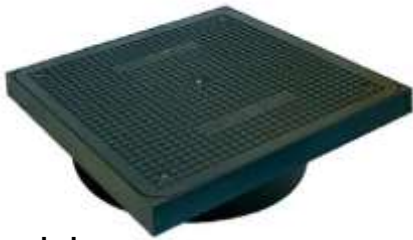
Plastic pedestrian cover Boralit: KDB C



Color	Gray
Length	700 mm
Width	700 mm
Height	145 mm
Diameter opening	590 mm
Weight	20 kg
Price – C05	

Dimensions are in mm and informative. Subject to alterations.

Plastic watertight cover: B125 Hermelock.



Color	Black
Length	714 mm
Width	714 mm
Height	257 mm
Diameter opening	625 mm
Weight	27,1 kg
Price – C05	
<small>Dimensions are in mm and informative. Subject to alterations.</small>	

Level alarm:

- KANA 2: OIL SET 1000. Gives a signal when the separator is almost saturated.
- KANA 3: SAND SET 1000. Gives a signal when the installed level is reached.

Type	Price – C05
Kana 2	
Kana 3	

SM module: sends an sms when an alarm message occurs on the KANA alarm

Type	Prijs – C05
GSM module	

INSTALLATION PROCEDURES, MAINTENANCE AND WARRANTY

The client acknowledges to have received a copy of this and agrees.
The installation requirements should be read **FIRST BEFOR** placement.

In the event of loss by the customer of the installation requirements the customer must always ask for a new copy of the installation requirements at Boralit nv, or download them from the Boralit Web site.

INSTALLATION PROCEDURES IN CONSOLIDATED SAND

They apply to the standard tanks.

Always install the facility as closely as possible to the contamination source to prevent the feeder pipe from clogging and causing blockages (excepted for rainwater tanks). Prepare a pit that is at least:

- 15 to 20 cm broader than the tank
- 15 to 20 cm deeper than the distance between the height of the inlet and the bottom of the tank.

See to it that all groundwater or rainwater that might be present in the pit is pumped out before pouring consolidated sand into the pit. The bottom of the pit must be covered by at least 15 cm of consolidated sand of 150 Kg/m³ (*). Level (with a builder's level) the grease trap in the pit so the inlet is at the proper height to connect to the house drainpipe. Fill the grease trap with water and connect both the inlet and outlet. Provide with correct and sufficiently large ventilation according to the type of unit and always with a minimum of 50 mm. Backfill the pit round the unit with at least 15 cm of consolidated sand of 150 Kg/m³ (*). Always introduce small amounts of consolidated sand, slightly press the sand to prevent distortion of the unit. Put at least 10 cm of consolidated sand of 150 Kg/m³ (*) on top of the grease trap. Install the PE-risers, which can be obtained from Boralit, on the unit until ground level is reached, and put the cover on (the grease traps must remain easily accessible for inspection and cleaning). In case vehicles might drive in the immediate surroundings of the installation, a sufficiently strong concrete slab must be installed. The concrete slab should not rest on the tank and should divert the pressure to the ground that has not been disturbed.

(*). Please contact us in case of a temporary high groundwater level, and also if the tank becomes more deeply embedded in the ground than is permitted by the PE-riser.

INSTALLATION PROCEDURES IN REGULAR SAND

They apply to the reinforced tanks.

Follow above instructions and If there is no groundwater, the consolidated sand can be replaced by regular sand. Please contact us if the tank becomes more deeply embedded in the ground than is permitted by the PE-riser.

The PE covers are only temporarily. They do not have a safety lock and can not stand the weight of persons or vehicles who might pass by. Make sure you get Boralit covers, to increase the security of persons or vehicles who cross the installation.



MAINTENANCE

The storage capacity is limited. That means that the installation must be emptied regularly when the installation is saturated.

We advice to check the installation regularly and to remove all mud and sediment. If the tank has collected too much dirt, it has to be cleaned and refilled with water.

WARRANTY

We offer a 10-year warranty on all our tank products as far as evident manufacturing faults are concerned. Failure to comply with installation procedures and guidelines voids warranty. 2-year warranty on all parts.

The general sales and warranty conditions of Boralit count.

OTHER DOCUMENTS

These documents are also available:

- Range grease separators to install in consolidated sand
- Range grease separators to install in sand
- Manual for alarm KANA 3
- CE certificate

AANVRAAGFORMULIER VOOR HET BEREKENEN VAN UW VET AFSCHEIDER.

Gegevens klant:

Naam:

Adres:

Telefoon:

Mail:

Volgende informatie dient te worden aangeleverd:

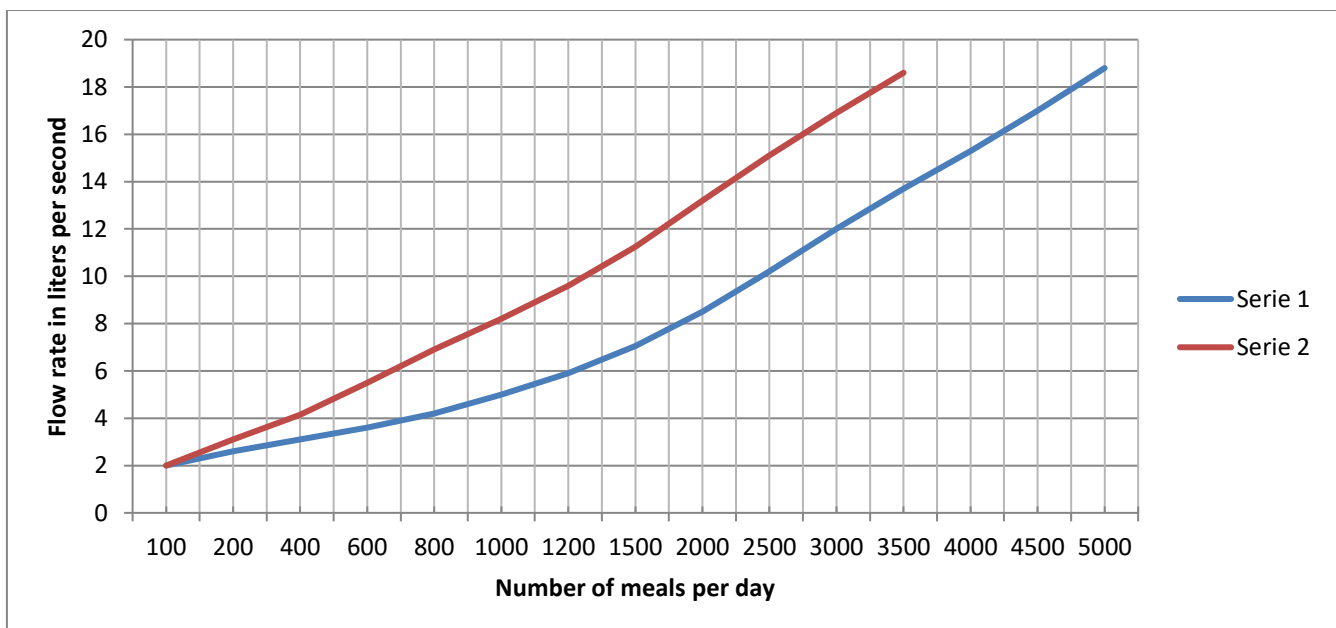
In geval van restaurants, kantines,:

Voor deze toepassing kan je in onderstaande grafiek bepalen welk debiet van vetvanger van toepassing is .

Belangrijk is wel de temperatuur van het afvalwater:

A) Reeks 1: temperatuur minder dan 30°C

B) Reeks 2: temperatuur tussen de 30°C en de 60°C



Voor industriële toepassingen:

In dit geval is er een berekening nodig. Om dit te doen hebben we volgende informatie nodig:

- A) Het piekdebiet
- B) De temperatuur van het water
- C) De hoeveelheid vet in het afvalwater

Naar wie opsturen?

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