

LIGHTLIQUID SEPARATOR

**DURABLE &
PERMANENTLY LEAK-TIGHT**

Double-walled
light liquid separator
produced from glass fibre reinforced plastic

www.haasetank.de





HAASE LIGHT LIQUID SEPARATOR

in accordance with DIN EN 858 and DIN 1999 – 100/101
with general building authority approval

INTENDED USE

Light liquid separators prevent mineral oils or light liquids (above all those which are fire hazardous or could form an explosive atmosphere) from reaching the sewer network.



MODE OF OPERATION

OIL AND PETROL SEPARATOR (CLASS II)

The dissociation of separable substances from settled waste water takes place in the Class II separator on the purely physical basis of the gravity principle. Oil and petrol collect at the surface of the water due to their lower density and solid substances such as sand and sludge sink to the bottom due to their specific higher weight.

COALESCING SEPARATOR (CLASS I)

Class I separators have a higher cleaning performance than Class II separators. In this respect, by means of targeted streaming the smallest oil or petrol droplets are merged into larger drops which rise more easily and can thereby be better retained.

SELF-ACTUATING STOP

The self-actuating stop consists of a float which has a higher density than oil but lower than that of water. Therefore the float is located between the surface of the water and the separated light liquid and plugs the separator when the maximum storage capacity is reached.

INTEGRATED SAMPLING POINT (OPTION)

The optional integrated sampling point enables a representative sample to be taken directly from the waste water stream using a standard bottle. In this way, space, additional groundwork and hence the costs of an external sampling manhole are saved.



AREAS OF APPLICATION

Light liquid separators are mandatory in facilities where larger quantities of oil or petrol are stored or could escape.

CAR WASH PLANTS	CAR DEALERSHIPS
PETROL STATIONS	FILLING STATIONS
PARKING AREAS	WORKSHOPS
SCRAPYARDS	FREIGHT COMPANIES

THE ADVANTAGES

✓ DURABILITY

Glass fibre reinforced plastic (GRP) is dimensionally stable, corrosion-free and has enduring chemical resistance.

✓ NO FOLLOW-UP COSTS

Due to peeling coatings or leaking seams in the manhole structure.

✓ LEAK-TIGHTNESS

The manhole shaft and pipe connections are laminated onto the tank at the factory, so there are no seams.

✓ STABILITY

Thanks to the special polymer concrete, can take loads of up to 60 tons and great.

✓ INSTALLATION

Also possible in compact clay soil, in groundwater and in flood plains without complex substructure or foundation.

✓ WEIGHT

Short installation time due to low weight and compact design enables transfer without heavy-duty crane.

✓ ACCESS

Convenient through the DN 1000 manhole shaft without having to dismantle individual components.

✓ CLEANING

Due to the spherical form the separator has no angles in which dirt can accumulate.



THE QUESTION OF PRICE

Why are high quality GRP separators all in all more economically priced?



THE MANHOLE AREA

Every joint implies a weak point! **Refurbishments are often not lasting and are expensive besides.** Concrete separators are delivered as individual parts (base, cover plate / cone and manhole rings) and assembled on the building site - as opposed to glass fibre reinforced plastic separators.



THE SEPARATOR FROM HAASE

... **Is a seamless unit due to the unique bonding of the GRP material with the spherical form.** The manhole shaft is directly laminated to the tank body in the production process and can be adapted at will according to the installed depth of the separator.

The Haase separator has a three-layer construction: between the GRP walls there is a filler layer of resin bonded pebbles.



This design provides for the permanent leak-tightness of the tank both from the inside and from the outside. By means of this unique wall construction, the GRP separator combines the chemical resistance of plastic with the stability of concrete... in one.

Thanks to the low weight and the compact design, installation is quick and uncomplicated, which also saves time and money.



THE KEY TO SUCCESS

...is the **close to zero on-going operating costs.** With Haase separators, the entire three-layer construction is manufactured from **one resin type** thus resulting in a **compact unit.**

By contrast, concrete has to be protected by a coating or an internal lining. **Coatings, however, wear out over time and internal linings are only applied within the basic vessel with the manhole shaft area remaining mostly unprotected.** Consequently, refurbishment costs arise in the course of the operational years which, together with the purchase price, **significantly exceed the costs of a GRP separator.**

Over 60 specially trained Haase partner companies throughout Germany & Europe will be happy to advise you.



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