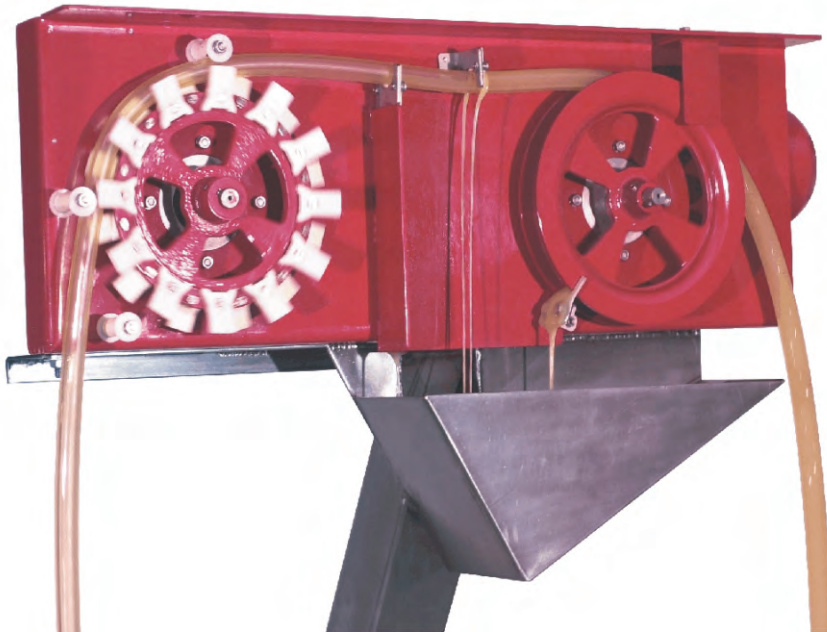


Oil skimmer model S 100

compact oil skimmer



Friess oil skimmer model S 100 easily, fast and reliably removes floating oil from coolant, degreasing bath or waste water,

Longer lifetime for your coolant:

If surface of coolant is covered with oil, coolant has no contact to oxygen. Missing oxygen causes fast growth of anaerobic bacteria. The coolant starts to smell badly. Later the coolant will be destroyed because of bacteria growth. Bacteria in the coolant may cause skin irritation or allergic reactions. Continuous removal of tramp oil with the oil skimmer model S 100 avoids these problems

Your advantages:

- Quick amortization owing to extended operational life of emulsions and degreasing baths
- Low maintenance due to using stainless steel an abrasive resistant ceramic
- Easy installation as pre-fabricated for mounting are available for nearly all situations
- System adapts to variations of liquid level
- The free floating oil collector tube removes oil from total surface

Technical Data

Oil capacity:

500 l/h

Surface of basin:

min 1.300 mm x 1.300 mm

Installation height above liquid:

max. 20 m

Working temperature:

- 20°C bis + 95°C

Drive power:

0,18 kW

Voltage:

400 V

Weight:

44 kg

Dimensions incl. oil collecting pan:

Length: 760 mm

Width: 270 mm

Height: 480 mm

Options:

- Automatic timer
- Atex certificate for using the skimmer in explosion hazardous area
- Stainless steel 1.4571 for using the oil skimmer with aggressive media
- Polypropylene for using the oil skimmer with aggressive media

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1. The best method of oil removal

The Friess oil skimmer removes oil from the surface of water or other liquids using a floating tube system. Oil sticks to the outside of the closed loop oil collector tube. The oil collector tube is made of flexible, specially formulated plastic and attracts oil but not water. Oil-covered collector tube is drawn through ceramic scrapers by the oil skimmer S 100. Waste oil runs off into the oil collector pan under the oil skimmer head. The cleaned oil collector tube returns to the water surface to collect more waste oil. Continuous action of the oil collector tube produces a movement on the water surface.

This movement drives oil towards the oil collector tube. With the Friess technology, oil is collected from the whole water surface. Even from 10 m long basins the oil skimmer S 100 will pick the oil from the whole surface and corners of the basin. A water level change of up to 2 m may be accommodated by the oil collector tube floating on the surface.

2. What can the oil skimmer S 100 remove

Oil collector tubes remove all types of floating oil or fat, for example waste oil, mineral oil, vegetable oil, animal fat or oily scum and other sticky fluids from water emulsions or washing solutions.

If the amount of oil on the water is very low or it is a mixture of oil and scum, we suggest to use an additional decanter with the oil skimmer S 100. Decanters separate the small amount of water, emulsion or washing fluid from the collected oil. Water is returned to the main tank while waste oil flows into the collector tank.



3. Long lasting, simple, robust and reliable - this is the Friess oil skimmer

The oil skimmer S 100 is made of stainless steel and designed for many years of continuous operation.

All parts, which contact the oil and dirt laden oil collector tube (drive wheel, pressure pad and scrapers) are made of high abrasion resistant ceramic. Dirt particles in the oil may be very abrasive and quickly destroy conventional scrapers. Friess uses aluminium oxide ceramic, which is extremely abrasion resistant and may be used in continuous operation for many years.

4. Friess oil skimmers are used in all industries

Companies in different processes use the Friess oil skimmers:

Automotive-, chemical, paper- and steel industry, quenching companies, diecast and aluminium casting, railway- and aircraft repair shops and food industry. Refineries and waste oil treatment companies make profit from the high quality and the high efficiency of Friess oil skimmer. Typical use of the oil skimmer S 100 is picking up tramp oil and fat from waste water, cooling water, cutting emulsion and washing water.

5. The perfect solution for all application

For your application we can offer the correct solution. You can choose from different mounting options for the oil skimmer S 100. This makes the mounting easy and helps reduce costs. Oil skimmer S 100 is able to lift oil up to 20 m from the fluid surface. Collector tubes can be selected according to system fluid, contaminating/tramp oil and temperature. Working temperatures may range from -20°C up to +95 °C.



6. Portable or stationary units

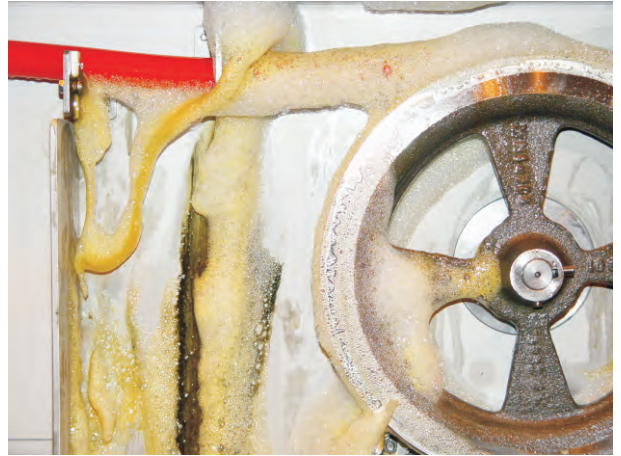
You can use the Friess oil skimmer S 100 as a stationary or portable unit. Mounted on a trailer, one oil skimmer model S 100 can clean two or more basins/tanks. The oil skimmer S 100 comes with a specialised gear/motor-combination drive, which has been proved in thousands of applications.

7. Fast service and delivery

May be you think that the Friess oil skimmer S 100 cannot solve your oil-water mixtrure problem?

Make a simple test with the Friess oil skimmer. Convince yourself from the quality and the efficiency of this machine. Of course we do not deliver just the oil skimmer, but also the necessary mounting equipment waste oil collector tanks etc. and mount the system in your factory.

Use our 25 years of experience in the field of oil water separation.



8. Cost saving

The Friess oil skimmer model S 100 uses two motor-gear drives with extremely low power consumption and high efficiency. Together with the use of high-tec-materials you achieve long service life with low maintenance. This reduces running and maintenance costs.

An oil skimmer pays for itself, as by skimming oil from the surface you extend the life of cooling water, emulsion or washing water.

9. Fits to your application

The oil skimmer model S 100 fits your basin/tank. Depending on the tank layout, we deliver different mounting systems. You can mount the oil skimmer on a frame or a cantilever mount. You can hang it on a beam over the tank. If you need a closed cover around the oil skimmer you can choose from different options available. We can supply your oil skimmer S 100 with explosion proof drive. Just advise us of your specific need. The S 100 will meet it.



For more information, consultation and orders call:

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