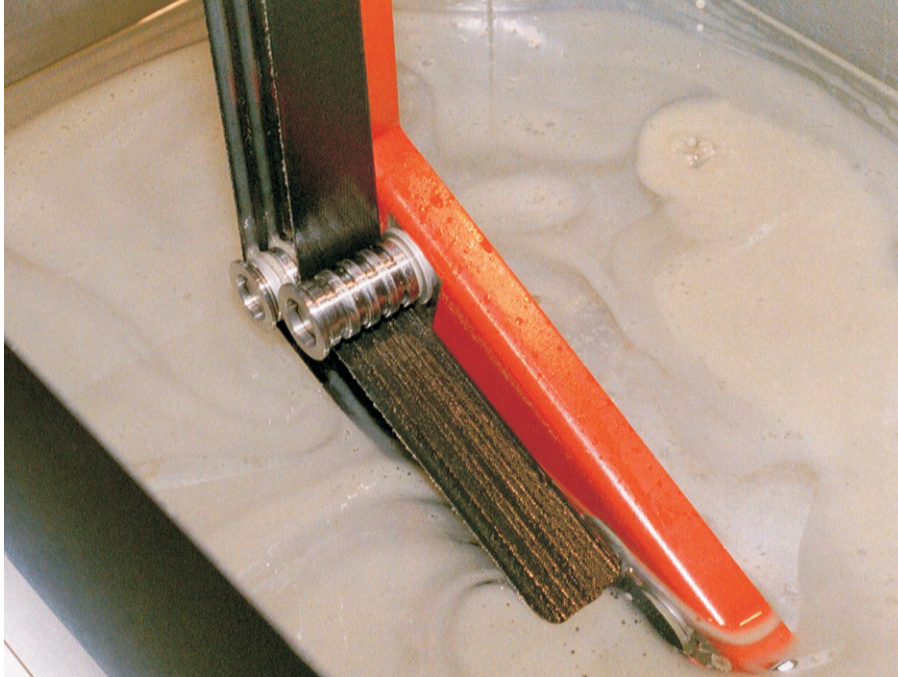


Belt skimmer WBS 10/20

Compact, light oil skimmer for small coolant systems



Simply, fast and reliably the oil skimmer WBS removes floating tramp oil from coolant and other process liquids.

Coolants have many different tasks:

1. Perfect surface quality
2. Longer lifetime for cutting tools
3. Good hygienic
4. Long lifetime of the coolant

Tramp oils, metal chips and other dirt particles cause growth of bacteria, fungus and yeast. The efficiency of the coolant will be reduced.

Tramp oil in the coolant causes damage!

1. Very short lifetime of the coolant
2. Strong odour
3. Skin disease
4. Bad surface quality
5. Higher cost

With the new Friess belt skimmer type WBS you can avoid these disadvantages. The belt skimmer WBS removes floating oil and fats and scum from all type of liquids, for example coolant, cooling water, degreasing baths, waste water and so on.

Your advantages:

- The oil will be removed from big surface because the surface of the liquid is moved by the belt that comes flat on the surface of the water.
- The belt skimmer needs a very small mounting space because of the special construction.
- Fast payback of the oil skimmer because of longer lifetime of the coolant or degreasing bath.
- The Friess oil skimmer requires very few maintenance because of the robust construction and the corrosive resistant materials.
- Dirt particles in the oil will not cause problems because of the slots in the pulley.
- Long lifetime of the belt because the belt is manufactured endless without welding.
- Long lifetime of the bearings because of special seals.
- Strong construction with proven electric motor.

Technical Data

Oil capacity

2 - 15 l/h

lifting height:

110 / 350 mm

Width of the belt:

40 mm

Surface of basin:

min. 100 x 200 mm

Drive power:

0,09 kW

Voltage:

230 V

Weight:

8,0 / 10,0 kg

Dimensions:

Length: 80 mm

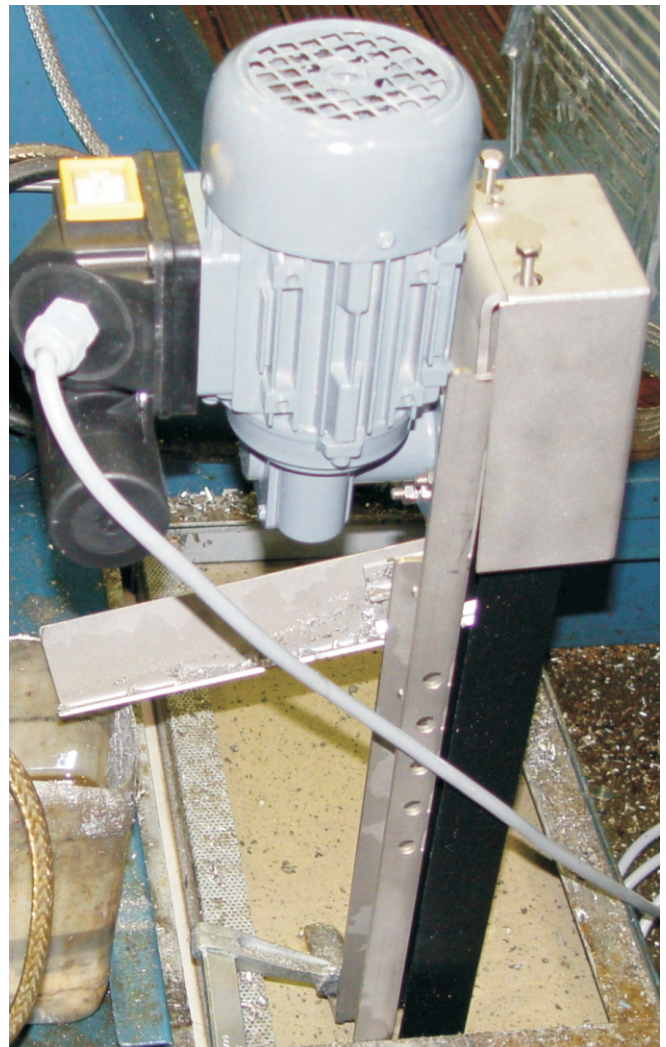
Width: 305 mm

Height: 540 / 775 mm

Construction:

An endless belt made of special formulated plastic is guided under an angle of 15° to the water surface. Oil and fat and dirt particles, which float on the water surface, will stick to both sides of the belt. The oily belt is drawn by special designed pulleys to stainless steel scrapers. The scrapers remove the oil from the belt and the oil will float into the oil collecting tank. The oil skimmer WBS is designed for continuous operation in industrial applications. Pulleys, scraper and frame of the oil skimmer are made of stainless steel. The pulleys have special grooves, so that dirt particles and oil on the inner side of the belt are pressed into the grooves, thus the oil skimmer is able to transport more dirt particles without malfunction. The bearings of the pulleys have a seal on both sides, so that the dirt particles cannot destroy the bearings.

Because the belt leaves the water surface nearly horizontal, the oil skimmer creates a movement on the water surface. Because of this special design the oil skimmer picks up oil, that floats 0.5 m or more away from the skimmer. The oil skimmer picks up oil not only from one spot but from the whole surface of the basin.



Oil skimmer model WBS 20 at an emulsion tank



Floating oil sticks to both sides of the belt

For more information, consultation and orders call:

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