

Belt Skimmer BS

The compact Friess oil skimmer model BS removes floating oils from emulsion, wash water or waste water. Best suited for small surfaces



Advantages

- The oil skimmer requires only a very small installation space
- Rapid ROI due to extended service life of emulsion and degreasing baths
- Low susceptibility to dirt due to dirt-repellent grooves in the transport roll
- Minimal maintenance required due to robust design and high-quality, durable materials
- Low maintenance requirements due to endless belt without seams and specially sealed roller bearings

Technical Data

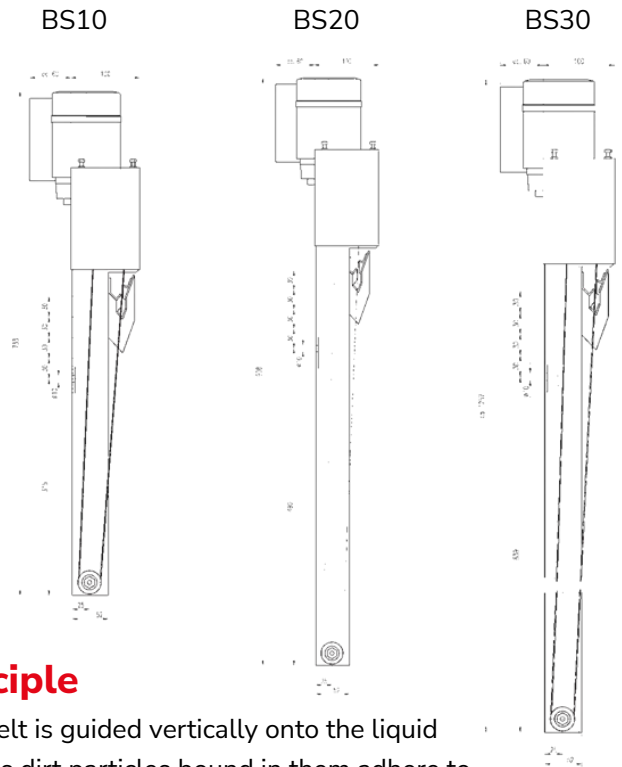
Removal capacity	2 - 15 l / h
Surface of the tank	min. 100 mm x 100 mm
Lifting height BS 10 / BS 20 / BS 30	334 mm / 509 mm / 858 mm
Width of the belt	40 mm
Weight BS 10 / BS 20 / BS 30	7,9 kg / 8,5 kg / 10 kg
Drive power	0,09 kW
Voltage	230 V / 400 V
Dimensions B x L x H	BS 10: 160 x 260 x 735 mm BS 20: 160 x 260 x 910 mm BS 30: 160 x 260 x 1260 mm

1. Tramp Oils in Coolant Cause Damage

1. Extremely short coolant service life
2. Strong odor
3. Skin irritation and allergies
4. Reduced production quality
5. Increased disposal costs

These disadvantages are avoided by using the BS belt skimmer.

The belt skimmer removes floating oils and greases from all kinds of liquids such as cooling lubricants, cooling and waste water, degreasing baths, etc.



2. Construction Principle

An endless, roughened plastic belt is guided vertically onto the liquid surface. Oil and grease as well as dirt particles bound in them adhere to both sides of the belt. The oil is transported upward with the belt over a specially grooved deflection roll. The oil is scraped off the belt via stainless steel scrapers and runs down an inclined chute into a container.

The BS oil skimmer is specially designed for continuous operation in harsh industrial environments. The deflection roll, scraper and base body of the oil skimmer are made of stainless steel.

The deflection roll is designed in such a way that dirt particles and oil are pressed into the grooves of the roller. This allows coarser chips to be carried along without lifting the belt off the conveyor roll. The bearing of the deflection rollers is sealed so that dirt particles cannot enter the bearing. Since the belt is guided vertically onto the liquid surface, the BS oil skimmer requires only a very little installation space. In confined spaces, it is possible to use the oil skimmer at an angle of up to 45 °C, as the lower deflection roll is attached to the body of the oil skimmer.



Oil skimmer BS at degreasing plant

For more information, consultation and ordering:

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