

Angle Belt Skimmer WBS

The Friess oil skimmer model WBS removes floating oils from emulsion, wash water or waste water. Ideal for small surfaces



Advantages

- Rapid ROI due to extended service life of emulsion and degreasing baths
- Minimal maintenance required due to rugged construction and high quality, durable materials
- Low susceptibility to dirt due to dirt-repellent grooves in the transport roll
- Since the oil belt enters the oil phase at a low angle, the liquid surface is set in motion and the oil is drawn off from a large area
- Low maintenance requirement due to endless belt without seams and specially sealed roll bearings

Technical Data

Removal capacity	2 - 15 l/h
Surface of the tank	min. 100 mm x 200 mm
Lifting height WBS 10 / WBS 20 / WBS 30	173 mm / 364 mm / 698 mm
Width of the belt	40 mm
Weight WBS 10 / WBS 20 / WBS 30	8,7 kg / 9,2 kg / 10,4 kg
Drive power	0,09 kW
Voltage	230 V / 400 V
Dimensions B x L x H	WBS 10: 80 x 305 x 540 mm WBS 20: 80 x 305 x 775 mm WBS 30: 80 x 305 x 1110 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

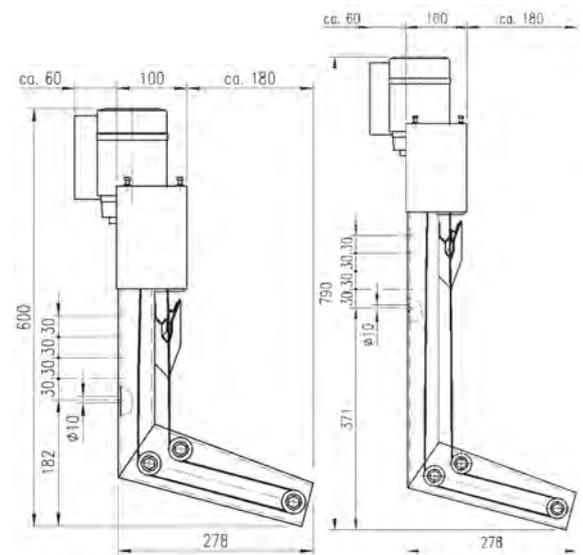
These disadvantages are avoided by using the WBS belt skimmer. The belt skimmer removes floating oils and greases from all kinds of liquids such as cooling lubricants, cooling and waste water, degreasing baths, etc.



The skimmer belt draws the oil due to the movement it creates on the surface

2. Construction Principle

An endless, coated 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 guided upwards with the belt via a specially grooved deflection roller. The oil is scraped off the belt via stainless steel scrapers and runs down an inclined chute into a container provided. The WBS oil skimmer is specially designed for continuous operation in harsh industrial environments. The deflection roller, scraper and base body of the oil skimmer are made of stainless steel. The deflection roller 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 the belt lifting off the conveyor roller. The idler roller bearing is sealed to prevent dirt particles from entering the bearing. As the belt is guided flat onto the liquid surface, the liquid surface is set in motion and the oil is drawn towards the oil skimmer even from a greater distance - up to 0.5m. As a result, the emulsion is not only de-oiled in a point-like manner, as is the case with a regular belt skimmer, but over a wide area.



For more information, consultation and ordering:

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