PATENTED SCREW CONVEYOR FOR FLOATING SCUM

WITH FLOATING EXTRACTOR

- Fully automatic removal of floating scum or fat in round and rectangular tanks
- Unique levelling of 250 mm water level fluctuations without adjustment (from + 125 mm to - 125 mm)
- European Patent EP 2 918 325
- Austrian Patent No 515652

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Innovative technology. The neutrally buoyant screw conveyor consists of one or more torsion-proof interlocked components, whose bodies also serve as a dip weir. They continuously convey the floating scum via the screw’s faces towards a floating extractor for floating matter. The maximum speed of the scraping system is 30 mm per second.

Unbeatable flexibility. The floating extractor for the removal of floating matter remains at the same level at all times, regardless of the water level. The immersion depth is controlled by means of a valve and remains constant following initial setting of the valve.

Intelligent operation. An integrated sensor detects any floating scum – the screw and pump only become operational when needed.

Efficiency without compromise. The baffle behind the screw conveyor prevents residual materials remaining in the tank.

No loss of function. Our system guarantees the full function capability, even at high building tolerances.

Total compliance with standards. The loads on the structure and the specific pressures and stresses comply with the provisions of the relevant standards.

Cost-effective. With low surface scum and smaller tanks an extractor with a baffle is sufficient.

Simple and flexible. Existing systems in diverse designs can be retrofitted at any time.

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Technical details

- Material: SS 304/SS 316
- Screw tube: DN 300
- Screw blades Ø: 800 mm
- Floating scum shield: H=300 mm
- Extractor: approx. 850x750x660 mm or round
- SS effluent line: DN80/DN65, incl. pallet pusher
- Pumps: Sulzer ABS or similar
- Special solutions and designs as required by the customer

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The benefits of choosing PROBIG®

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PROBIG®
NON-METALLIC SCRAPING SYSTEMS

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