

HUBER Rotary Screw Thickener S-DRUM



HUBER Screw Thickener for big wastewater treatment plants

- Sturdy, highly efficient and flexibly applicable unit

A preceding flocculation reactor with stirrer ensures a sludge flock quality that allows thickening of the stabilized flocks. The screw thickener is comprised of an inclined wedge section basket. A screw, slowly rotating with variable speed, conveys the sludge gently upward through the inclined basket. Water drains through the basket.

The degree of thickening is adjustable by means of a height adjustable weir plate in the sludge discharge and the variable screw speed. Wedge wire cleaning is performed during screw operation by means of an automatic washing system.

Benefits

ADVANTAGES OF THE HUBER ROTARY SCREW THICKENER S-DRUM

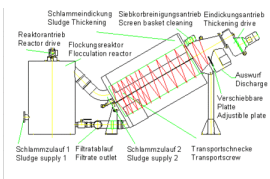
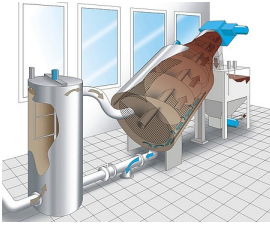
- Sludge volume reduction to up to 90 %
- Sturdy design for high solids loads and coarse material containing sludge
- Maximum system availability due to the virtually wear-resistant and clog-free stainless steel wedge section basket
- No need for lubrication
- High operational reliability due to the defined discharge velocity
- Completely encapsulated, odour-free plant
- Low noise < 68 dB(A)

Downloads

Case Studies

- A HUBER Technology Sludge Thickening case study
- HUBER sludge treatment plant on the Black Sea Coast
- Huber Screenings and Sludge Treatment Equipment in Northern Ireland

Design Sketch



Media



Video: HUBER Screw Thickener S-DRUM (RoS2) - here at a municipal WWTP

<https://www.youtube.com/watch?v=uxjMve6yi50>

More products of this group: Sludge Thickening

- HUBER Disc Thickener S-DISC

- HUBER Belt Thickener DrainBelt

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