HUBER Disc Thickener S-DISC

Unique sludge thickener for efficient sludge treatment

- For wastewater treatment plants up to 200,000 PE

The heart of the S-DISC sludge thickener is an inclined, slowly rotating filter disc that separates flocculated sludge from filtrate. A baffle plate distributes the inflow from the flocculation reactor evenly across the entire filter radius. Flexibly supported plows divide and move the sludge layer on the disc and open up furrows so that water can easily drain through the filter cloth, thus enhancing the filtration effect. As the filter disc continuously rotates, a scraper pushes the thickened sludge from the disk. The filter cloth is backwashed with a spray bar.

More products of this group: Sludge Thickening

- HUBER Belt Thickener DrainBelt
- HUBER Rotary Screw Thickener S-DRUM

Benefits

ADVANTAGES OF THE HUBER DISC THICKENER S-DISC

- Sludge volume reduction up to 90%
• Extremely favourable price for quality as 80% of the filter surface are permanently utilised
• Compact design
• Maximum system availability due to the long-life stainless steel filter cloth
• No need for lubrication
• Minimised coagulant agent consumption due to the preceding flocculation reactor and gentle sludge feeding
• Minimum control requirements
• Easy to operate
• Possibility to watch the filtration process inside the completely encapsulated unit
• Low noise < 68 dB(A)

Case Studies
• Wastewater Treatment in the Dairy Industry – Development of customized solutions for direct and indirect discharge
• A Sludge Thickening Case Study: Anglian Water, Great Dunmow WRC
• Magilligan WWTW - A Wastewater Case Study
• Flexible Disc Thickener on WWTP Waging
• A complete wastewater treatment concept for a meat processing company
• HUBER wastewater treatment technology for the biggest factory of the milk processing company Berglandmilch in Austria
• HUBER Supplies Complete Wastewater Treatment Equipment for Meat Processor KUPFER
• ROTAMAT® Disc Thickeners RoS 2S for Small Treatment Plants
• Efficient Sludge Treatment at Small Plants
• ROTAMAT® Disc Thickener RoS 2S – A perfect reference of reliability

Downloads
- Brochure: HUBER Disc Thickener S-DISC [pdf, 770 KB]

Design Sketch
Video: HUBER Disc Thickener S-DISC - here at a municipal WWTP
https://www.youtube.com/watch?v=3B0yOFFdLyo

Video: HUBER Disc Thickener S-DISC for thickening of excess sludge in meat processing industry
https://www.youtube.com/watch?v=HvwV0BaLd68