

## ROTAMAT® Screw Thickener RoS 2



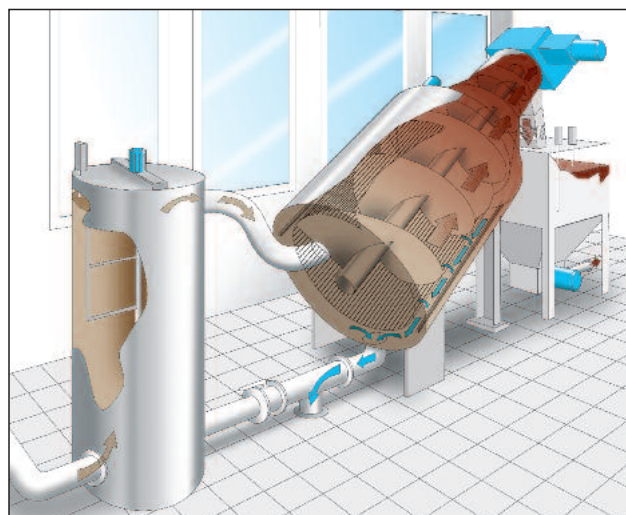
Sturdy, highly efficient, flexibly applicable unit

## ►► Features

### ROTAMAT® Screw Thickener for big wastewater treatment plants

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

- 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)

Thickening results > 7 % DR are achieved in typical municipal applications with a polymer consumption of 2 - 4 g/kg. The specific power consumption is only 35 W/m<sup>3</sup>, the wash water demand approx. 25 l/m<sup>3</sup>. Different system sizes are available for throughputs from 20 to 100 m<sup>3</sup>/h.

More than 500 installations worldwide prove the reliability of the ROTAMAT® Screw Thickener RoS 2.



Two RoS 2 units for 80 m<sup>3</sup>/h



Several units installed in parallel to handle 600 m<sup>3</sup>/h

## HUBER SE

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