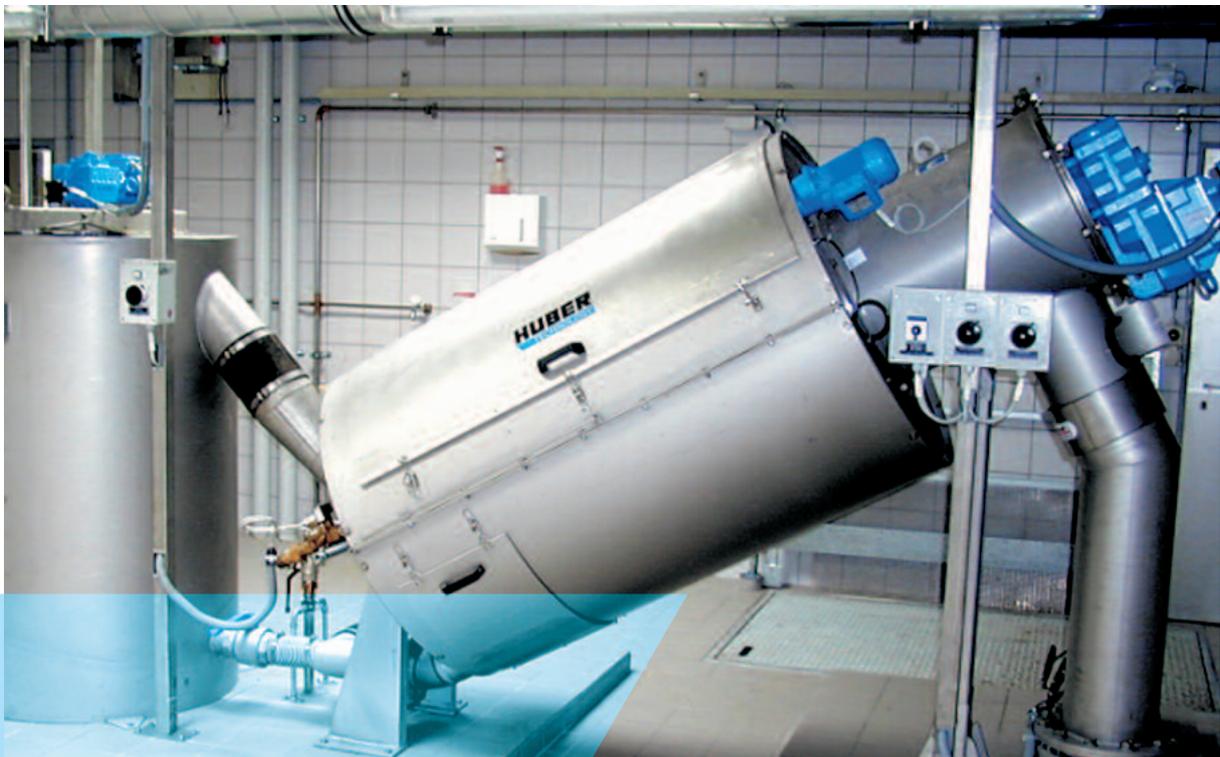


ROTAMAT® Screw Thickener RoS 2



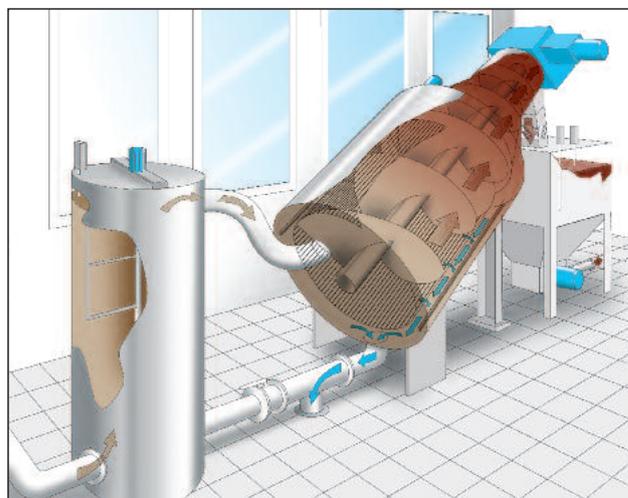
Thickening of municipal and industrial sludges

- compact, enclosed design
- efficient, reliable and easy to operate
- low operation and maintenance costs

►► Features

ROTAMAT® Screw Thickener for big wastewater treatment plants

A preceding flocculation reactor with stirrer ensures efficient sludge treatment in the screw thickener. The screw thickener consists of a cylindrical wedge section basket which retains the solids contained within the fed sludge. A screw, slowly rotating with variable speed, conveys the solids 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. A rotating spray bar cleans the wedge wire periodically from the outside during screw operation.



►► Benefits

- sludge volume reduction by up to 80 %
- 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
- high operational reliability due to the slow screw speed
- low power and spray water consumption
- no need for lubrication
- completely encapsulated, odour-free plant
- no vibration
- low noise < 68 dB(A)

►► Data

Thickening results > 7 % DR are achieved in typical municipal applications with a polymer consumption of 3-5 g/kg. Power consumption is only 35 W/m³, spray water demand only approx. 25 l/m³. Different system sizes are available for throughputs from 20 to 100 m³/h per unit.

More than 700 installations worldwide prove the reliability of the ROTAMAT® Screw Thickener RoS 2.



Two RoS 2 units for 80 m³/h



Eight screw thickeners handling 600 m³/h