

# HUBER

## Screw Press S-PRESS, Q-PRESS®

**HUBER**  
TECHNOLOGY  
WASTE WATER Solutions

### Dewatering of municipal and industrial sludges

- ▶ Compact and enclosed design
- ▶ Efficient, reliable and easy to operate
- ▶ Low operation and maintenance costs





## FEATURES

**HUBER Screw Press sludge de-waterers for small to medium wastewater treatment plants and industrial sludges.**

Flocculated sludge is pumped into a cylindrical screen basket wherein an auger slowly rotates. The diameter of the auger shaft increases towards the end of the basket and the gap between its flights decreases. The volume between basket, shaft and flights, continuously decreases the pressure as the sludge is moved through the basket. Sludge water is pressed through the basket of the screen.

The auger pushes the increasingly thicker sludge towards an adjustable discharge cone, which is pneumatically pressed against the opening to maintain optimal cake consistency.

Scrapers on the screw shaft permanently clean the filter basket from the inside. A stationary spray bar backwashes it periodically, segment by segment from the outside in a continual process.

S-PRESS option available for more fibrous sludges

## BENEFITS

- 80% power reduction compared to centrifuge
- 30% reduction in poly compared to belt presses
- 6 fold reduction in maintenance compared to centrifuge
- Unique pressure control optimises cake thickness
- Reliable –
  - single moving part
  - slow rotation
- Reduced operator interventions
- Filtrate drains by gravity
- Removable outer case for easy maintenance
- Available as plug and play DfMA solution
- No extensive support and inspection platforms required

## DATA

- Up to 30 m<sup>3</sup>/h (540KgDS/h) input
- 4 Sizes available Q-PRESS
- 18-35% DS cake produced
- Specific power consumption - <8kWh/tDS
- 1.5 rpm rotation

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