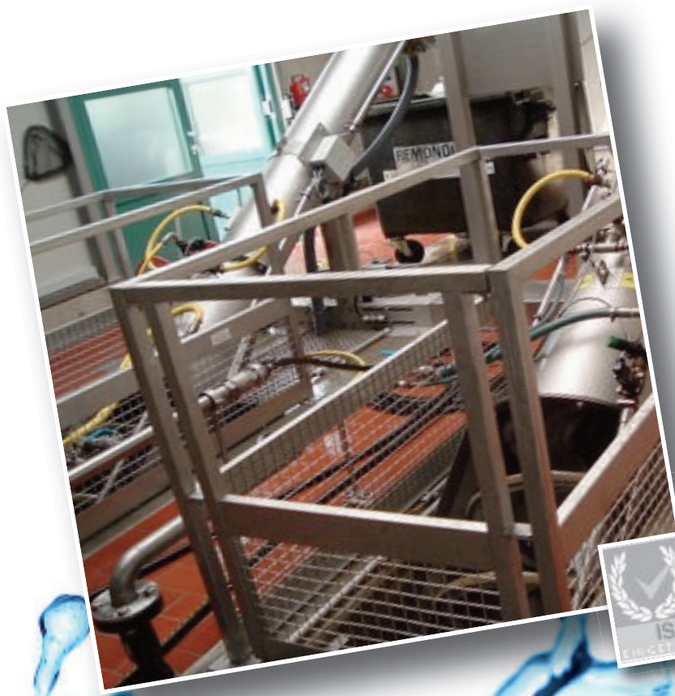
FSM Frankenberger GmbH & Co. KG

Equipment for Water and Waste Water Inlet Works



ISO 9001

Screw Screen

FSM Frankenberger GmbH & Co. KG
Vor dem Hohen Stein 1 · D-35415 Pohlheim/Garbenteich
Tel. +49 (0) 06404-9194-0 · Fax +49 (0) 06404-9194-91
info@fsm-umwelt.de · www.fsm-umwelt.de

FSM Screw Screen

Functional principle:

The waste water flows through a perforated basket. The installation angle is 35° or 90°. The basket is fixed and cleaned by a rotated screw with a cleaning brush. The screening is transported, washed and compacted by one screw. This design guaranteed that no screening can pass the screen by "carryover" effect.
The screw is designed in the dewatering zone with shaft to reduce the wear and prevent a blockage.
Perforation for the screen basket is from 2 mm up to 10 mm. The cleaning of the basket is performed by a brush.
The drive is realized by a gear motor at the top.

Features:

- High reliability through robust construction
- No additional cleaning systems
- Screenings conveyed positively to the discharge point
- Excellent cost/performance ratio
- Low maintenance costs
- Suitable for outdoor sites / operation in winter
- Easily adapted to suit changed operating conditions
- Machine completely hygienically encapsulated

Applications in municipal and industrial clarification plant
- waste water pre-treatment / fine screening
- sludge screening / secondary sludge
- sludge screening / primary sludge
- fecal matter reception and treatment

Industrial applications
- textile and textile finishing industry –preliminary clarification of total waste water
- meat, fish and poultry processing / slaughterhouses – preliminary clarification of total waste water
- sugar industry - preliminary clarification of total waste water
- fruit and vegetable processing – preliminary clarification of total waste water
- breweries– preliminary clarification of total waste water

Dimensions:

Screen width for installation	200 to 600 mm
Perforation	2 – 10 mm, other sizes on request
Installation angle	35° and 90°, other angles on request

Material/make:

machine frame	stainless steel SS304 or SS316, other materials on request
filter element	stainless steel SS304 or SS316, other materials on request
drives	geared motors, make SEW