

Multi Rake Bar Screen



FSM ...
Good Ideas
bring Success!





FSM – Multi Rake Bar Screen

...meets the most demanding specifications

The FSM - Multi Rake Bar Screen was developed to deal with particular problems associated with sewage pre-treatment plant.

Parallel to the increasing demands of users, FSM introduced modifications to the basic design. These have resulted in an optimum product for the preliminary treatment of waste water -providing **high performance coupled with low operating costs.**

Functional principle:

The waste water flows through bars made of stainless steel, while contaminants are held back. Solid matter is picked up directly at the bottom of the channel without the need for a base step. The cleaning elements are fixed between two chains and are designed with teeth for the best cleaning of the screen. The screenings can be discharged into containers, wash compactors, screw conveyors, conveyor belts etc. Sealing at the sides prevents solids from circumventing the filter. The cleaning elements and teeth can be individually and quickly exchanged.

Features:

- High reliability through robust construction – no need for upstream coarse screening.
- The Multi Rake Bar Screen allows the passage of grit without malfunctioning.
- Discharge of grease in large quantities presents no problem.
- Filter elements optimally cleaned as result of their teeth.
- 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

Dimensions:

- filter width 300 to 4000 mm
- shaft center distance up to 15000 mm, larger sizes on request
- slot opening 3 – 100 mm, other sizes on request
- water level difference up to 2000 mm possible, larger differentials on request
- mounting angle 85°, 75° or 60°, other angles on request

Material / makes:

- machine frame stainless steel 1.4301 or 1.4571
- filter element stainless steel 1.4301 or 1.4571
- chains bush conveyor chain of wear resistant steel or wear resistant stainless steel
- chainwheels wear resistant steel or wear resistant stainless steel
- drives worm geared motors, make SEW
- use with sea brackish water sea water resistant material for machine frame, , filter elements, chains, chainwheels





Applications in municipal and industrial clarification plant:

- waste water pre-treatment / fine screening
- sludge screening / secondary sludge
- sludge screening / primary sludge
- sea water treatment
- rainwater tank overflow and storage channel screening
- fecal matter reception and treatment

Applications in the paper and cellulose industry:

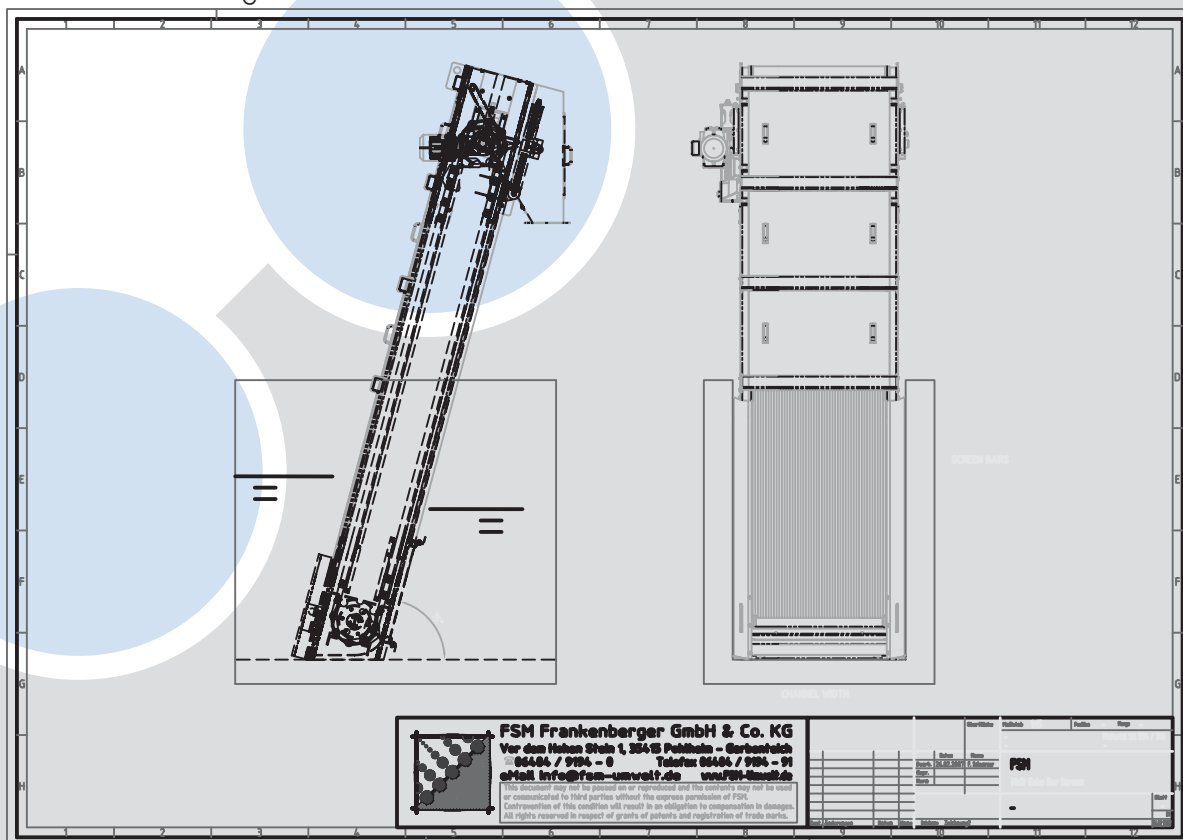
- wash water, unbarking installations
- coarse matter runoff, channel water

Applications in power stations:

- cooling and service water screening (river intake etc.)
- sea water screening

Industrial applications

- cooling and waste water screening (river intake etc.)
- sea water screening
- 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
- composting installations, waste product and disposal engineering, seepage water treatment
- fruit and vegetable processing - preliminary clarification of total waste water
- breweries- preliminary clarification of total waste water
- animal meal production- preliminary clarification of total waste water
- removal of algae





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