



Coarse Bar Screen



FSM ...
Good Ideas
bring Success!





FSM – Coarse Bar Screen

...meets the most demanding specifications

The FSM coarse bar screen has been in operation all over the world for over 30 years.

Parallel to the increasing demands of users, FSM introduced modifications to the basic design. These have resulted in an optimum product for coarse decontamination of waste water -providing **high performance coupled with low operating costs**. The FSM coarse bar screen thus offers ideal protection for pumping and fine screening installations.

Functional principle:

The waste water flows through a grating screen made of steel or stainless steel, while contaminants are held back. Solid matter is picked up by our special grab directly at the bottom of the channel without the need for a base step. The teeth of the grab act between the bars of the screen thus preventing jamming of the screenings. A pivoting scraper discharges the screenings into a container, wash compactor, screw conveyor, conveyor belt etc. Opening and closing of the shovel is achieved by means of a slack rope weight.

Features:

- High reliability through robust construction
- The coarse bar screen allows the passage of grit without malfunctioning
- Screenings are prevented from falling back on the screen by a sheet steel apron
- Screenings conveyed positively to the discharge point
- Secure guiding of grab shovel via double bearing arrangement
- Excellent cost/performance ratio
- Low maintenance costs
- Suitable for outdoor sites / operation in winter
- Easily adapted to suit changed operating conditions
- If required, machine can be completely hygienically encapsulated
- The FSM coarse bar screen unit has proved itself in practice at home and abroad





Dimensions:

- screen width 800 bis 8000 mm, larger widths on request
- channel depth up to 10000 mm, larger depths on request
- gap width 10 mm to 100 mm, larger widths on request
- mounting angle 75° or 90°, other angles on request

Material / makes:

- machine frame galvanised steel, stainless steel 1.4301 or 1.4571
- bar screen coated steel, stainless steel 1.4301 or 1.4571
- guides galvanised steel, stainless steel 1.4301 or 1.4571
- grab shovel coated steel, stainless steel 1.4301 or 1.4571
- grab teeth special steel, from excavator application
- drives worm geared motors, make SEW
- use with sea/brackish water sea water resistant material for machine frame, screen, grab shovel and guides on request

Applications in municipal and industrial clarification plant

- waste water pre-treatment / coarse screening
- sludge screening / secondary sludge
- sludge screening / primary sludge
- sea water treatment
- rainwater tank overflow and storage channel screening
- supply pumping stations
- protective installations for downstream equipment
- decontamination of running waters

Applications in the paper and cellulose industry

- wash water, unbarbing 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
- animal meal production– preliminary clarification of total waste water





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