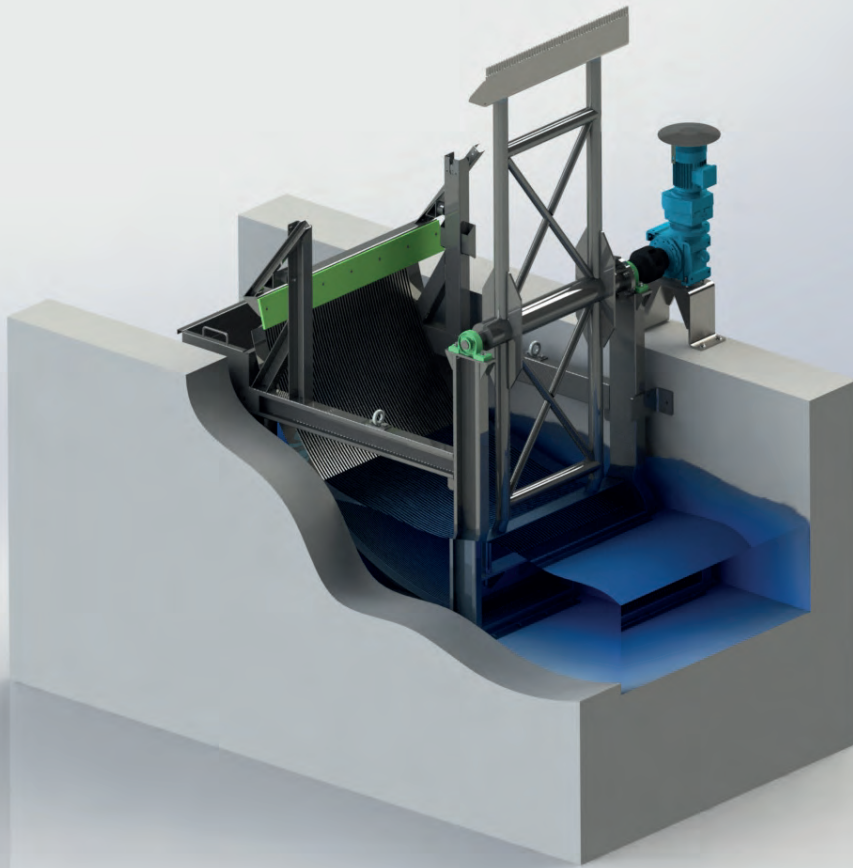




CIRCULAR MECHANICAL MINI SCREENS



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CIRCULAR MECHANICAL MINI SCREENS

General Description and Intended Use

They are mechanical equipment designed to remove undesired solids from the water received with the wastewater from the free flowing channels. It removes the solids of which particle sizes are larger than screen gap (10–50 mm in general).

It is more suitable to be used in shallow channels. It is preferred in entry units of the small sized treatment plants thanks to its simple structure.

Working Principle Of Equipment

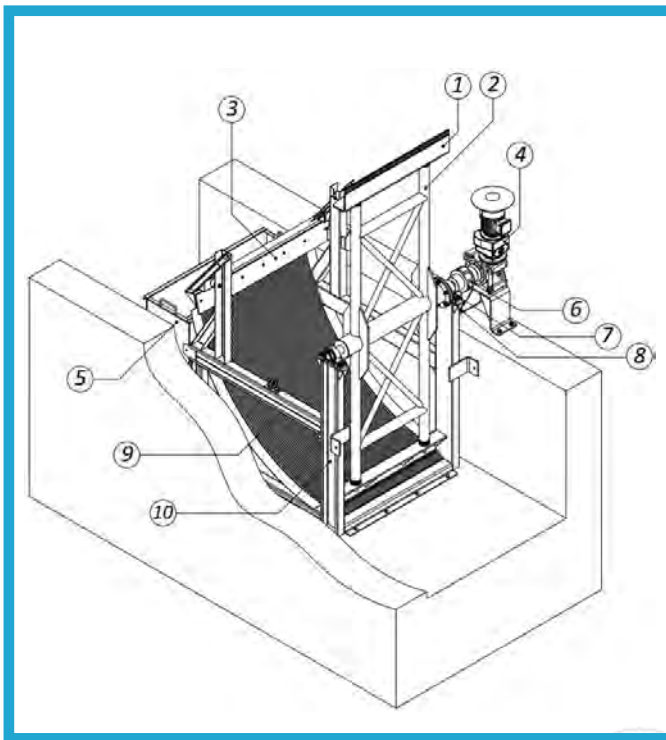
The solid materials coming to the plant with the wastewater are accumulated in front of the screen bars. The wastes accumulated in front of the circular form screen bars are scraped upright by the rake moving circularly and transferred into the waste container. Generally, the main frame consists of screen bars designed in circular form, drive group, rake group and waste container.

Technical Specifications

- It is designed and manufactured to operate even in low capacities.
- It is automatically operated depending on the water level in the screen channel or time without needing an operator.
- In small scale wastewater treatment plants, it is generally used as coarse and thin screen.
- The rakes are driven with the help of motor reducer system and the shaft.
- There are no movable parts requiring underwater intervention and maintenance.

ADVANTAGES

- Compact Design,
- Fast and Simple Assembling,
- Low First Investment Cost,
- Low Operation and Maintenance Costs,
- Suitable Design for Usage in Small Channels.



No	Part Name
1	Rake
2	Rake Support Arms
3	Waste Scraper
4	Motor / Reducer
5	Waste Container
6	Coupling
7	Bearings
8	Shaft Connection Flange
9	Screen Bar
10	Frame

ACCESSORIES

- Waste Container
- Emergency Button*
- Level Measuring Sensor*
- Local Power and Control Panel*

* Optional accessories are defined.

Material Details

- Frame: They can be manufactured as DIN 1.4301 (AISI 304) or DIN 1.4401 (AISI 316).
- Rake: They can be manufactured as DIN 1.4301 (AISI 304) or DIN 1.4401 (AISI 316).
- Sheet bars: They can be manufactured as DIN 1.4301 (AISI 304) or DIN 1.4401 (AISI 316).
- Reducer Bench: It is manufactured as S235JR + hot dipping galvanized coating.

"Different materials can be preferred in accordance with the request of the customer."





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