

MevaScreen® RS, DS Monster



Self-cleaning fine screen for the separation of solids from wastewater

The MevaScreen RS, DS are self-cleaning fine screens for separating solids from wastewater. Designed to have a very low flow resistance, the screens offer the highest relative capacity of any screen on the market, making them ideal for channels with gravity flow. The RS uses a chain drive mechanism and the DS operates with a unique, chain-less drive.



FEATURES & BENEFITS

- **Blockage-free operation**

The MevaScreen RS, DS has automatic anti-blockage protection to prevent sand in the channel bottom from causing problems.

- **High energy efficiency**

The large hydraulic capacity and optimized design result in fewer operating hours and less mechanical wear. Typical annual operating time is only 200 to 250 hours, reducing operating costs and improving sustainability.

- **Sustainable product design**

The low friction bar spacers, which are used to extend the life of the screen bars, support an expected service life of 20+ years. The first RS screen was delivered 33 years ago and is still in operation.

- **Environmental**

The self-cleaning screen area is designed to discharge waste into a compactor/conveyor without the need for rotating brushes or spray water as in other competing technologies. This simplifies operation and reduces energy consumption.

Product and Performance Details

The design of the MevaScreen RS, DS causes the screening mat to be transported upwards with a circular motion. The MevaScreen RS, DS is resistant to sand, gravel etc., due to the automatic anti-blockage protection at the bottom of the channel.

The MevaScreen DS is manufactured in several version differentiated by discharge height. Each model comes in multiple widths, adapted to even channel widths. The MevaScreen RS, DS is delivered fully encapsulated with a ventilation connection to eliminate odours.

- Fine screen with slot width 2, 3, 5 and 6 mm
- Discharge height 1 m - 4.7 m
- Channel width 300 - 2000 mm
- Robust design with 3 mm bars
- High capacity and high separation degree of solids
- Pivots out of channel for easy maintenance
- Sand resistant anti-blockage protection
- Fully encapsulated
- High finish guarantees a long life-time

Automatic Control

MevaScreen RS, DS works intermittently, allowing the operation to be adjusted to incoming flow. A level is installed in the channel in front of the screen. The screen starts when a pre-set water level is reached and operates until the water level is below the pre-set value. The cycle is repeated when the level is reached again.

