

# MULTI RAKE SCREEN MRS

## Bar Screen in Stainless Steel



### Main areas of use and features

- Slot width 5-50mm
- High screening discharge capacity due to multiple rakes
- Low hydraulic resistance, very low head loss
- Heavy duty, extremely robust design
- Modular design, option for transport and assembly
- Pivots out of channel as an option
- Service friendly design
- Dip pickled SS guarantees a long life time

# MRS MULTI RAKE SCREEN

## Area of use

Meva Multi Rake Bar Screen is a mechanically cleaned screen suitable for inlet works of treatment plants, pumping stations and inlet water structures. The screen captures solid materials which otherwise would be harmful to the following process and to the downstream equipment.

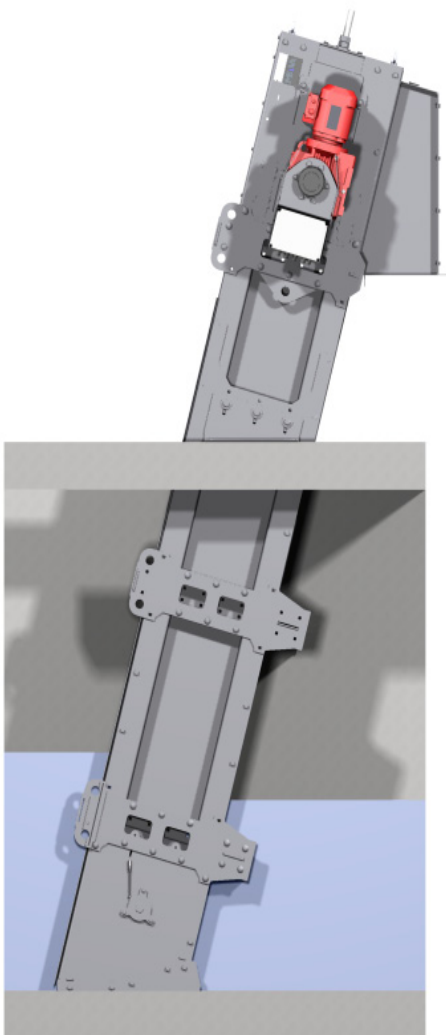
Meva MRS can be built to operate both as coarse screen and a fine screen, with a slot width down to 5mm. For demanding installations the fine screen can be fitted with teardrop shaped bars, presenting an unrivaled low flow resistance

As an option for difficult installations Meva MRS is delivered in modules to allow for transportation and assembly of the screen where it otherwise would not fit, allowing for an easy final assembly on site.

## Function

Meva Multi Rake Screen is built with an open structure upstream, enabling all maintenance and repairs of the drive unit, dead plate or bar rack to be performed without access to the back of the screen. The drive shaft at the bottom is fitted with a long life bearing, for minimum maintenance.

The wiper is fitted with a PE-wear section, that is easily replaceable. An Electronic motor protection, monitors the motor and protects the screen. This allows for a more complex and detailed setting than a mechanical breaker. As an option the screen can be delivered with special supports, that allow the screen to be pivoted out of the channel for service and maintenance.



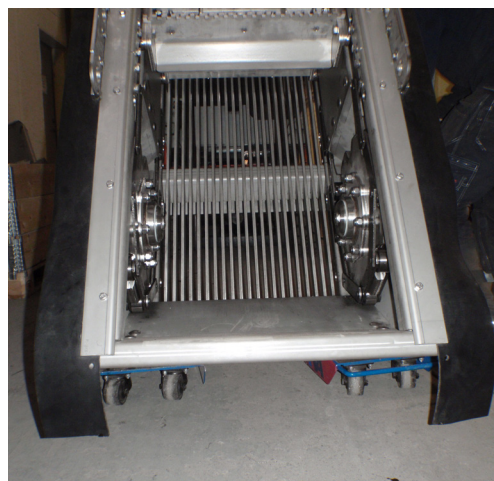
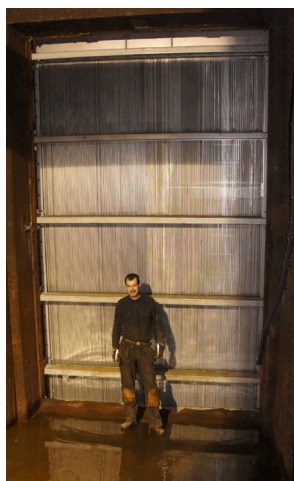
The entire screen is made from laser cut, dip pickled stainless steel. Several lifting lugs simplify the installation process. Once installed it is a fully enclosed design, with a ventilation connection for eventual odor problems.

## Automatic Control

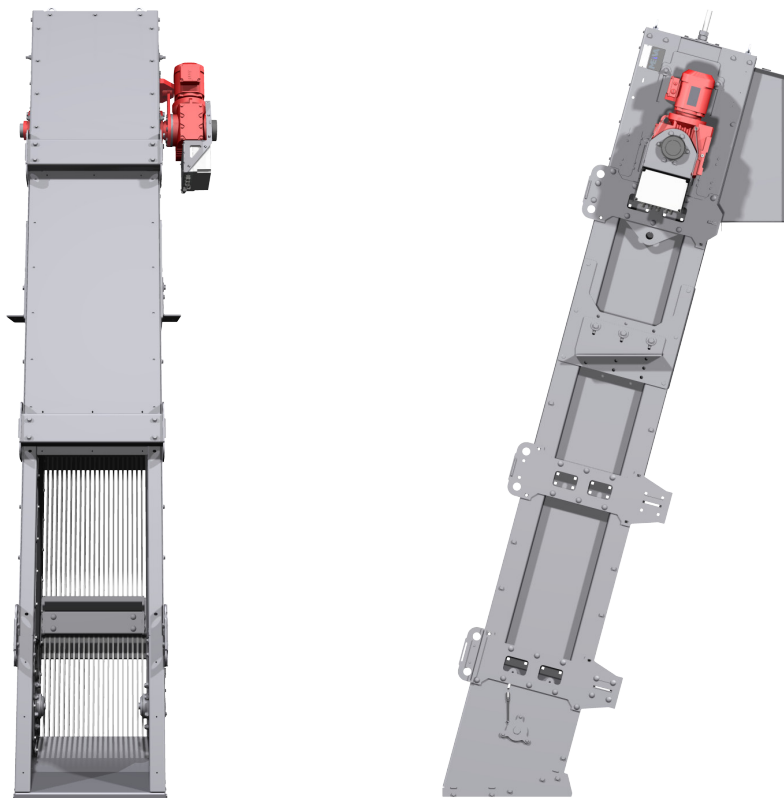
Meva Multi Rake Bar Screen MRS works intermittently. Thus the operation can be adjusted to the incoming flow. A level sensor is installed in the channel in front of the screen. The screen starts when a pre-set water level is reached and operates until the water level is below the pre-set value. The cycle is repeated when the level is reached again.

### Meva Multi Rake Screen MRS:

- Slot width 5-50mm
- High screening discharge capacity due to multiple rakes
- Low hydraulic resistance, very low head loss
- Heavy duty, the most robust design on the market
- Modular design, easy transport and assembly
- Pivots out of channel as an option
- Service friendly design
- Dip pickled SS guarantees a long life time



# Technical Specification



## Technical specification

Discharge height	1.5 to over 10m
Installation angle	75° - 80°
Screen channel width	400-3000mm
Screen opening	5-50mm
Rake speed	4-8m/min

### Options

Pivoting supports  
Delivery in modules

### Optional Accesories

Ultrasonic differential level sensor  
Electrical control panel  
Insulation and heating etc.