

ROTOSCREEN DS

Fine Screen in Stainless Steel



Main areas of use and features

- Fine screen with slot width 1-6 mm
- Bars in Duplex steel for strength and extended life time
- Unique chainless drive mechanism
- Insensitive to high or low water levels
- High capacity and high separation degree
- Pivots out of channel for easy maintenance
- Fully capsulated
- High finish guarantees a long life time

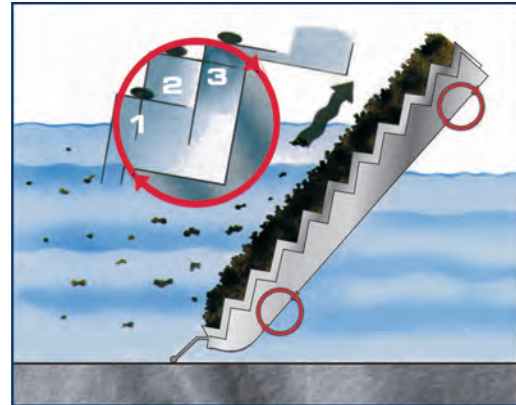
DS ROTOSCREEN

Area of use

Meva Rotoscreen DS is a self-cleaning fine screen for separation of solids from water. The screen has a very low flow resistance which results in a low head loss. This is an advantage at installations in open channels.

Meva Rotoscreen DS is suitable for installations in incoming channels to municipal waste water treatment plants and process industries where a separation within 1-6 mm is required.

Since the mid-eighties there has been a continuous development to meet the future requirements for functional screens. The Rotoscreen DS is the latest version of Meva's fine screens, a product of long experience, that has proven its performance in Sweden and in the rest of the world.



Function

Meva Rotoscreen DS has an exact slot width during operation. This is ensured by a robust bar fixing and intermediate spacers. The screen has an automatic anti blockage protection at the channel bottom which makes the screen more resistant to sand, and the Duplex steel bars are the toughest on the market.

Meva Rotoscreen DS can be pivoted during service and it is the most easily accessible screen on the market, making it easy to clean without dismantling the following equipment. The unique drive mechanism minimize the need for maintenance.

Above advantages together with a high hydraulic capacity and a very robust design and high finish makes Meva Rotoscreen DS the most modern fine screen on the market.

Meva Rotoscreen DS is manufactured in different models depending on the discharge height. All models are available in different widths to fit into channels of various sizes. The screens are fully enclosed and equipped with a ventilation connection.





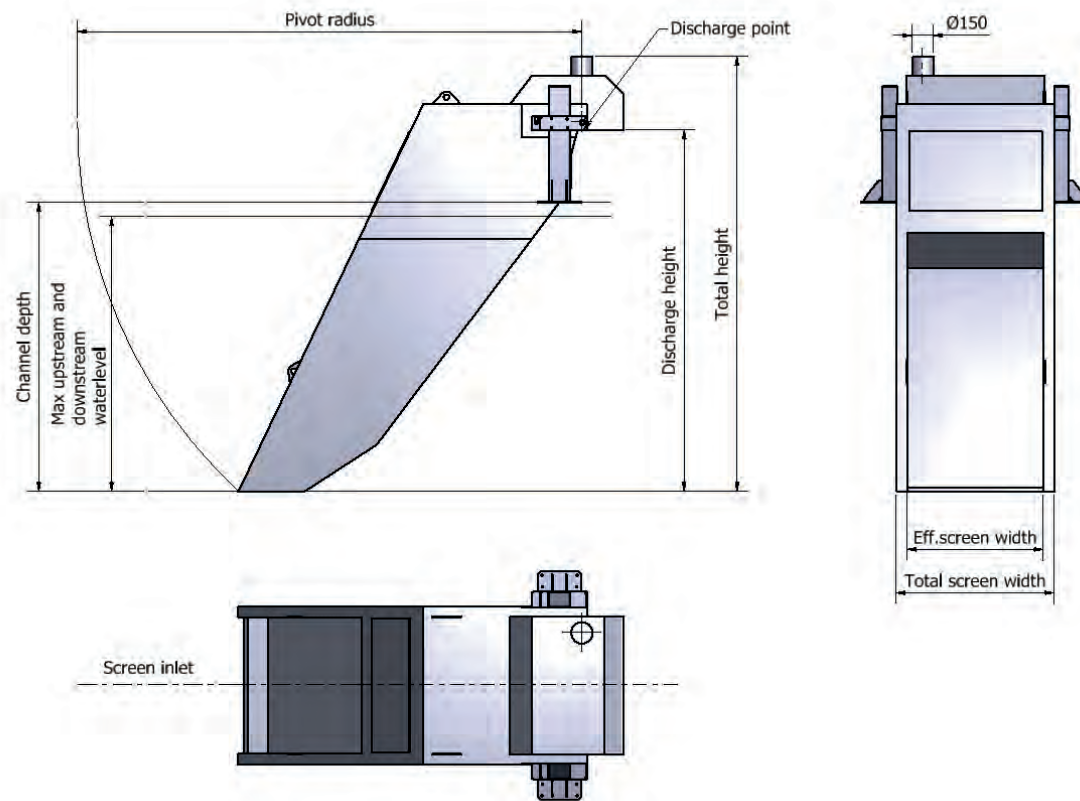
Automatic Control

Meva Rotoscreen DS works intermittently, allowing the operation to 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.

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| TYPE | DISCHARGE | MAX UPSTREAM WATER LEVEL | MAX DOWNSTREAM WATER LEVEL |
|-------|-----------|--------------------------|----------------------------|
| DS 9 | 900 mm | 680 mm | 680 mm |
| DS 13 | 1320 mm | 1100 mm | 1100 mm |
| DS 17 | 1740 mm | 1400 mm | 1400 mm |
| DS 21 | 2070 mm | 1470 mm | 1470 mm |
| DS 25 | 2500 mm | 1900 mm | 1900 mm |
| DS 28 | 2830 mm | 2150 mm | 2150 mm |
| DS 32 | 3250 mm | 2600 mm | 2600 mm |
| DS 37 | 3670 mm | 3020 mm | 3020 mm |
| DS 43 | 4340 mm | 3300 mm | 3300 mm |
| DS 47 | 4750 mm | 3700 mm | 3700 mm |

Offered in Australia and New Zealand by:



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