

REMSCREEN RS2

Rotary Drum Screen for separating solids/liquids

MACHINE DESCRIPTION

The **REMSCREEN RS2** is designed to accommodate large primary sewage flows. This screen provides optimal separation of the solids from wastewater. Its structure, with a basket fabricated from trapezoidal bars or perforated plate, enable to capture solids of various sizes depending on aperture selected. This screen is designed to:

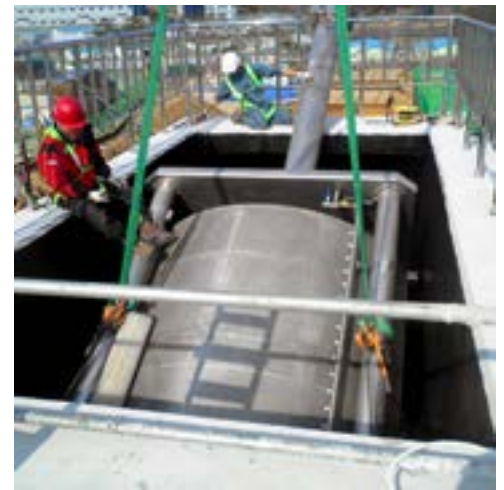
- be installed in civil and industrial treatment plants.
- be integrated with multipurpose units, such as for instance cesspool treatment plants (RCT1/2/3 - RCS).
- waste disposal processing plants (food, vegetable, plastic industry).

In addition to wastewater screenings, the **RS2** conveys, compacts and dewateres the solids in sewage for optimal treatment. The basket has a high-pressure washing system for the screenings that has been fitted both on the outside and inside (optional).

Its design allows a simple installation, using an adjustable support according to the point where it is used and the angle of the screen (max. 40°), allowing the end user to save time and money in unnecessary maintenance work. Its simple construction allows an easy installation, using an adjustable supporting foot according to the point where it is used and the angle of the screen, allowing the end user to save time and money in unnecessary maintenance work.

WORKING LOGIC FOR ROTARY DRUM SCREENS RS2

The high upstream/downstream screening ability is based on the sieving effect of the screen mat. The screen mat is not removed immediately, but is used to further capture particles. The level differential (or timer control) starts and stops the screen.



This feature grants greater efficiency in removing the solids that is increased by up to approximately 75%. The screenings are deposited in the extraction screw fitted with a perforated sieve at the bottom to drain the water back into the channel.

APPLICATION ADVANTAGES FOR ROTARY DRUM SCREENS RS2

The following details, for purposes of information and reference, provide some information of a standard nature concerning the advantages of applying this model of screen.

1. **Basket open area:** The screen open area is generally around 50%, up to 52% for some versions.
2. **Solids separation capacity:** It is able to reach a percentage of solids/liquids separation greater than 70%.
3. **Head loss:** Minimum load loss thanks to its tilted position.
4. **Construction material:** The RS2 screens are made entirely of corrosion-proof stainless steel.
5. **Screen cleaning:** self-cleaning screen thanks to the double - internal/external - washing system of the basket and the pipe and drain module washing systems.

STANDARD DIMENSION DATA FOR ROTARY DRUM SCREENS RS2

Here we provide some information of a technical nature for this type of screens.

RS2 MODELS	700	1000	1200	1400	1600	1800	2000	2200	2400	2600	3000	3400	4000
A - mm	700	1000	1200	1400	1600	1800	2000	2200	2400	2600	3000	3400	4000
	MAX. SHIPPING DIAMETER, FULLY ASSEMBLED							TO BE ASSEMBLED ON SITE					
Capacity at 6 mm perforation - m ³ /h	PLEASE REFER TO OUR ENGINEERING DEPARTMENT												
Capacity at 2 mm perforation - m ³ /h													
Capacity at 1 mm perforation - m ³ /h													
Capacity at 0.5 mm MASH - m ³ /h													
Capacity at 0.75 mm perforation - m ³ /h													

n.b.: the manufacturer may modify some dimensions or sizes without prior information

Materials of construction for fabricated parts:

*Stainless Steel AISI304 / *Stainless Steel AISI316

Materials of construction of spiral:

*Stainless Steel AISI304 / *Stainless Steel AISI316 / *High resistance steel HRS

INCLINATION: min. 30° - max. 45°

