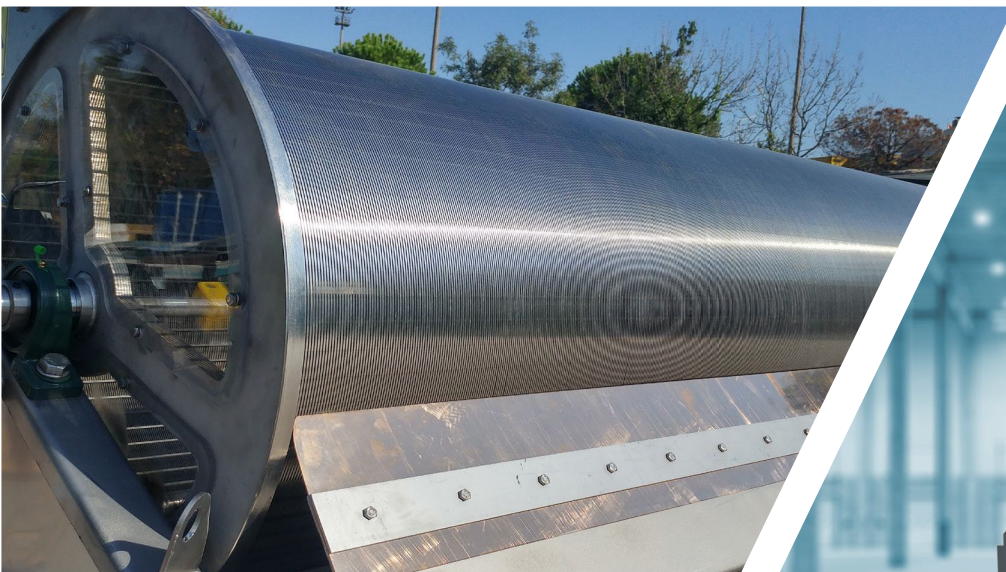


SCREENS

EXTERNALLY FED ROTARY DRUM SCREENS



Externally Fed Rotary Drum Screens are equipment that separate floating solid substances in wastewater from water with the help of a screen.

They are used in industrial wastewater treatment plants as well as in domestic wastewater. In external fed rotary drum screens, the waste water taken into the feeding tank is filtered through a slowly rotating drum.

These types screens can be produced in different sizes according to the amount of suspended solid in the wastewater and the flow rate.

The discharge blade in front of the machine removes all the solid substances during the rotation and cleans the drum surface. The drum parts of the externally fed rotary drum screens can be manufactured from "wedge-wire" or perforated metal plates according to the size of the particles in the wastewater.

It can collect the solid particles between 0.25 and 3 mm. These collected screenings are approximately 50% of settleable solids in wastewater. Therefore, it also provides 10-15% BOD removal.



Benefits

- No odor and water splash problem due to completely covered system
- Automatic operation in high efficiency
- Low energy consumption
- Easy clean-up and minimum maintenance
- Wide range of capacity
- Compact design
- Less space requirements



Features

- Slot width: 0.25 ~ 3 mm
- Alternative screen types and sizes
- Alternative voltage and frequency
- Alternative degree of motor protection
- Control panel



Rotating Drum

The drum consists of perforated plates or wedge wires screen.



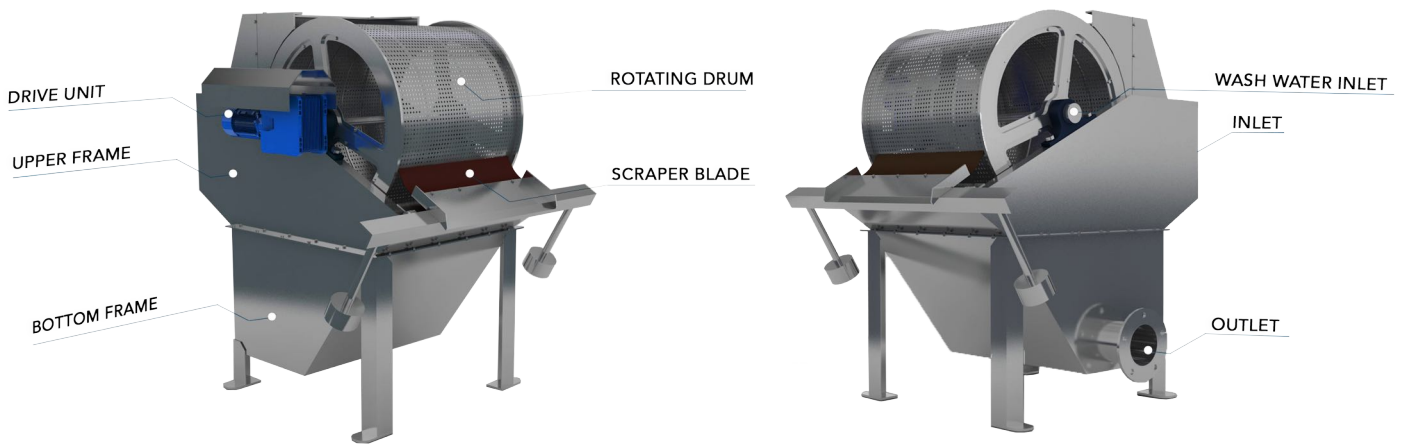
Self-Cleaning

Self-cleaning system consisting of many nozzles placed in the rotating drum to clean the system.



Scraper Blade

The drum is cleaned by means of a scraper plate.



MODEL	1 mm	1,5mm	2mm	3 mm
Arsimak DAT 80	90 m ³ /hour	110 m ³ /hour	129 m ³ /hour	150 m ³ /hour
Arsimak DAT 160	180 m ³ /hour	225 m ³ /hour	255 m ³ /hour	300 m ³ /hour
Arsimak DAT 240	270 m ³ /hour	335 m ³ /hour	385 m ³ /hour	450 m ³ /hour
Arsimak DAT 320	360 m ³ /hour	450 m ³ /hour	515 m ³ /hour	600 m ³ /hour
Arsimak DAT 480	540 m ³ /hour	675 m ³ /hour	770 m ³ /hour	900 m ³ /hour
Arsimak DAT 640	720 m ³ /hour	900 m ³ /hour	1030 m ³ /hour	1205 m ³ /hour

MODEL	Drum Length	Drum Diameter	Inlet Pipe Diameter	Outlet Pipe Diameter	Washing Water
Arsimak DAT 80	300 mm	630 mm	100 mm	150 mm	7,5 lt/min.
Arsimak DAT 160	600 mm	630 mm	200 mm	250 mm	15 lt/min.
Arsimak DAT 240	900 mm	630 mm	200 mm	250 mm	20 lt/min.
Arsimak DAT 320	1200 mm	630 mm	250 mm	300 mm	25 lt/min.
Arsimak DAT 480	1800 mm	630 mm	300 mm	350 mm	40 lt/min.

- All the data given is for clean water.
- Dimensions in the table are for information purposes. Final dimensions will be determined by Arsimak customer representative.



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