



Internally-fed Rotating Drum Screen

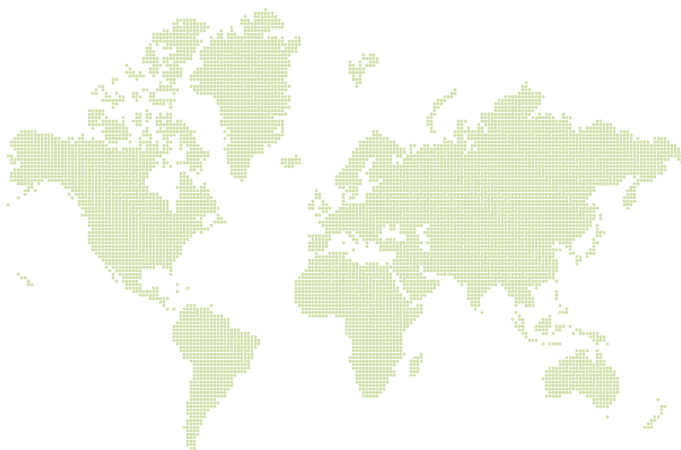


technology  experience
versatility 

Internally-fed Rotating Drum Screen

features & benefits

1. Angle of inclination is 5°. Provides longer retention time for better separation and dewatering.
2. Full cylinder dewatering flights. Solids are retained within the cylinder longer to attract and capture finer solids.
3. Unique headbox design. Distributes flow evenly along both sides of the screen cylinder.
4. Headbox trough can be completely removed at the influent without disassembling the unit. Designed to keep maintenance time to a minimum.
5. External spray bar and brush. Prevents solids accumulation on screen exterior.
6. Trunnions are fully adjustable and replaceable without removing the screen cylinder. Easy access, minimal downtime.
7. Screens is designed with no running seals. No seals to wear and cause by-passing.



RTV



The **internally-fed rotary fine screen mod. RTV** is composed of a tank and a spiral connected to the drum for the transport of screening.

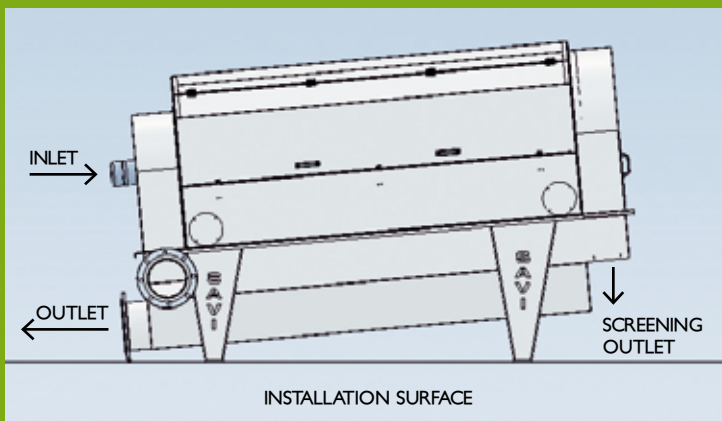
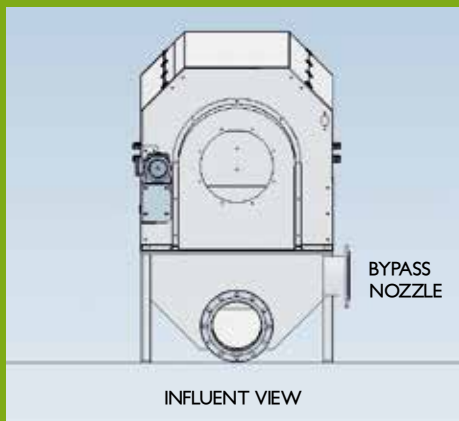
The screen is composed of a perforated plate whose holes diameter is as big as the desired openings size. The drum is supported by nylon wheels, and it is operated by a gearbox. The filter is fed through a nozzle placed in the front of the machine. A diffuser spreads the water on a large area of the screen which, rotating, separates water from the organic particles contained. The filter is cleaned by means of a washing system composed of a tube equipped with spray nozzles for pressure water. During the screen operation, the water is conveyed towards the outlet placed in the front of the machine, while the screening is transported through the spiral towards the screening outlet installed in the back of the machine. The screen special inclination towards the outlet contributes to the dewatering of screening. The screen is equipped with a by pass nozzles protecting the filter from overflows, and with an arrangement for an overflow probe.



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screening

SAVI



SPECIFICATIONS/MODEL		RTV 500X1000	RTV 900X1000	RTV 900X2000	RTV 1500X3000	RTV 1500X4000
TOTAL LENGTH	mm	2000	2000	3000	4000	5000
TOTAL HEIGHT	mm	1500	1900	1900	3300	3300
TOTAL WIDTH	mm	900	1200	1200	1700	1700
OPENINGS	mm	from 1 to 6 mm				
POWER	kW	0,37	0,37	0,37	0,75	0,75
WASH WATER PRESSURE	bar	5-8				
ELECTRIC MOTOR		230/400 Volt, 50 Hz, 4 poles, 3 phases, class F, IP 55.				

* additional sizes and customized model available

MATERIALS OF CONSTRUCTION

Frame	Stainless Steel AISI 304 (316 L optional)
Perforated media cylinder	Stainless Steel AISI 304 (316 L optional)
Discharge tank and piping	Stainless Steel AISI 304 (316 L optional)
Fasteners	A2 (A4 optional)
Trunnions	Nylon
Spray nozzles	Stainless Steel AISI 304 (316 L optional)
Drive gear and sprocket	HDPE

screening

- Drum fine screens for municipal WWTP and for MBR pretreatment mod. VSA-VSA MBR
- Mechanical coarse-medium-fine screens mod. GVB-GVF-GVS
- Rotary fine screens mod. RTV
- Rotary filtering drums mod. SGR
- Filter screws mod. VSR
- Step screens mod. VTR
- Overflow spillways mod. VSE
- Belt fine screen mod. VFR

pretreatment

- Compact plants mod. KOMBI
- Septage receiving stations mod. VFA DM
- Sand classifiers/washers mod. CLS-CLSW
- Shafted washer compactors and hydraulic compactors mod.VWP-CMP
- Travelling bridges for grit and grease removal mod. PVD

sedimentation

- Circular clarifiers mod. PTP-PTA
- Travelling bridge for settlement tanks mod. PVS
- Sludge thickeners mod. ISP

accessories

- Screw conveyors mod. CCL
- Penstocks mod. PAR
- Rotating brushes mod. SPZ
- Bagger assemblies

RANGE OF PRODUCTS



SAVI S.r.l.



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Certificate no. 50 100 3460 attests the SAVI S.r.l. Quality System is in conformity with the rule UNI EN ISO 9001:2008. The certificate is valid as for the design, manufacture, installation, and technical assistance of machines and accessories for water treatment plants.

