

SCREENMASTER® RT

Internally Fed Drum Screen

The SCREENMASTER® RT internally fed drum screen employs a rotating drum to provide effective fine screening of a variety of materials with a simple and reliable design. This unit employs a cylindrical screen constructed with perforated metal, wedge wire or filter cloth, along with a weir system. As the material is fed into the unit's inlet, it is distributed along the internal screen surfaces.



TYPICAL APPLICATIONS: | Wastewater Treatment
Pulp & Paper | Slaughter Houses | Offal | Fat

As the drum rotates, the weir moves the solids along the screen length. The liquids are discharged out the unit's bottom, while solids are conveyed to the unit discharge flange. The RT is provided in a choice of models with up to 60" diameter drums up to 156" (4m) in length.

The SCREENMASTER RT is ruggedly constructed for smooth operation and long life. It is fully constructed in corrosion resistant T304 or T316 stainless steel. The RT is provided with a choice of screen openings from 500 x 500 micron (filter cloth) up to 6 mm perforations. The perforated screen segments are removable from the outside of the unit by opening the access panels.



The unit is provided with internal as well as external high pressure nozzles to keep the screen clear. An optional brush assembly can be provided. The wash system employs 35 gpm of water at 60 psi. Each unit is typically supplied with a PLC based control system housed in a NEMA 4X enclosure.

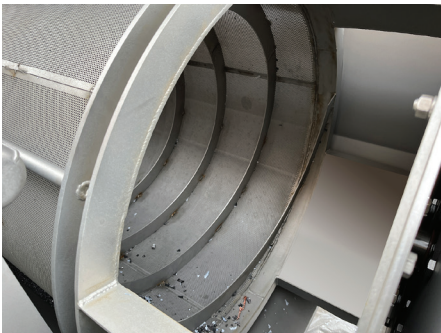
Design

The SCREENMASTER® RT is designed to be simple to install and simple to maintain. The unit features a heavy stainless steel frame structure designed for low vibration. The unit is driven by a chain drive, helical gear reducer and c-face motor mounted on an adjustable motor plate. It slowly rotates on heavy-duty rollers rated for a B10 life of 100,000 hours.

A control system is typically provided in a NEMA 4X enclosure which controls the unit operation and spray wash system.



Easy Access Interior of this BABA Compliant RT



Specifications

RT MODELS	DRUM DIAMETER	DRUM LENGTH	OVERALL WIDTH	OVERALL LENGTH
RT24050	24" (610 mm)	50" (1270 mm)	44" (1118 mm)	87" (2210 mm)
RT30070	30" (762 mm)	70" (1778 mm)	50" (1270 mm)	107" (2718 mm)
RT36070	36" (914 mm)	70" (1778 mm)	56" (1422 mm)	108" (2743 mm)
RT48096	48" (1219 mm)	96" (2438 mm)	68" (1727 mm)	135" (3429 mm)
RT60120	60" (1524 mm)	120" (3048 mm)	80" (2032 mm)	160" (4064 mm)

Contact one of our customer service representatives to discuss sizing and flow rate information.