

Single Rack / Mono Rack Screen



Single Rack Screen:

The Single Rack Screen meets the need to have a separation of the coarse screenings from wastewater, whether civil or industrial. The machine is composed by a screen with a spacing which can vary from 6 to 40 mm. The screenings are lifted, transported and discharged using single rack that is also suitable for cleaning the filtration area. Rake is guided by rails at the bottom without any bearings/mechanical components submerged by the raw water.

Operation: -

It uses equidistant 304 or 316L stainless steel bars located in the bottom section of the unit. Solids accumulate as wastewater travels through the screening section and are continuously removed via Single rake. The rake fit within the bar spacing and is moved by a wire rope attached to a gear motor located on top of the machine. The motor operates intermittently and transports the solids from the screening section to the top where they are discharged.





Specifications:

Materials	Guide Rail and Dead Plate	SS 304, SS 316, SS 316L, SS304L
	Rack Assembly	SS 304, SS 316, SS 316L, SS304L
	Wire Rope	SS304

Screen Opening	6 – 50 mm
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Rack Speed	5 – 10 M/min
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Discharge Height	1.5 to 4 Mtr
	Angle

Screen Width	400 – 2000 mm
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Flow Capacity:	Up to 110 gpm (414 lpm)
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Application:	Municipal sewage treatment plants
	Industrial wastewater treatment, Sludge Screening
	CSO screening applications, Wastewater pump stations

Features & Benefits

Slot Width 5 to 50 mm

High screening discharge capacity

Low hydraulic resistance, very low head loss

Heavy duty, the most robust design on the market

Modular design, easy transport and assembly & Ready to use.

Cost Effective, Low Power required compare to other Screen.

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