



Externally Fed Rotary Drum Screen

WASTEX

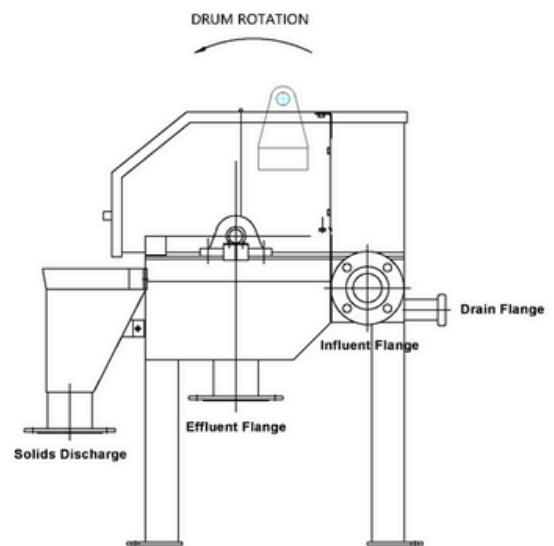
Product Introduction

RDS series drum screen mainly focus on the medium flow rate, low and medium solids rate of sewage; which is Is a compact structure, completely closed and low failure rate model, and to solve common sewage solid-liquid separation equipment. The screen can be wedge-shaped screen and perforated screen, the common aperture is 0.25~6mm.

WORKING PRINCIPLE:

The suspended matter in the sewage retained on the rotating drum, and with the rotation of the drum, it is sent to the discharging end of the other side from the inlet end, which is shoveled down by the unloading device. The time relay in control cabinet controls the back flush solenoid valve to open and close periodically so that to clean the blockage between the drum bars. The integral design, strong construction and high quality stainless steel material ensure the equipment can long-term operate with trouble-free and low energy consumption. Simple maintenance.

Product Introduction



Outside drawing

PRODUCT FEATURE:

- 1.SS304 stainless steel member;
- 2.Integral structure;
- 3.External spray system;
- 4.Sealing cover plate;
- 5.Frequency control range 4-20 rpm;
- 6Automatic blow slag;
- 7.Timed back flush.

Product Advantages

High Filtration Efficiency

Effectively removes fine particles (down to 10-50 microns) from water, ensuring high-quality filtrate.

Continuous Automated Operation

Rotary drum design allows continuous filtration without interruptions, reducing manual labor.

Low Energy Consumption

Operates with minimal power due to its simple mechanical structure and efficient water flow.

Self-Cleaning Function

Automatic backwashing or brushing systems prevent clogging, maintaining consistent performance.

Space-Saving Design

Compact size and vertical drum configuration make it suitable for limited installation spaces.

Durable Construction

Built with corrosion-resistant materials (e.g., stainless steel) for long-term reliability in harsh environments.

Adaptable to Various Water Types

Works well in industrial wastewater, aquaculture, municipal sewage, and stormwater applications.

Product Advantages

Cost-Effective Maintenance

Reduced downtime and easy access to components simplify repair and replacement.

Environmentally Friendly

Low water and chemical usage in backwashing processes align with sustainable practices.

Customizable Performance

Adjustable drum speed and filter mesh sizes meet specific operational requirements.

Specification Parameters

Serviceable range	Solt	RDS03/300(m³/h)	RDS06/400(m³/h)	RDS06/700(m³/h)	RDS06/1000(m³/h)	RDS06/1300(m³/h)	RDS06/1600(m³/h)	RDS06/2000(m³/h)	RDS08/2000(m³/h)	RDS08/2500(m³/h)
Size	mm	φ3000X300	φ610X400	φ610X700	φ610X1000	φ610X1300	φ610X1600	φ610X200	φ610X2000	φ610X2500
Municipal sewage	1	N&A	60	100	150	200	240	300	450	560
Paper industry	0.5	6	20	35	50	65	80	100	150	185
Seafood industry	0.75	5	17	30	42	55	68	85	125	160
Meat industry	0.5	4	15	25	38	50	60	75	110	135
Meat industry	0.75	6	20	35	50	65	80	100	150	185
Meat industry	1	7.5	25	45	62	83	100	125	185	235
Fruit and vegetable industry	1	12	40	70	100	100	160	200	300	375
Driving power	kw	0.18	0.37	0.55			0.75		1.1	
Output speed	rpm	18	10							
Length (L)	mm	860	1000	1300	1600	1900	2200	2600	2650	3100
width (W)	mm	1020	1520						1680	
Height (H)	mm	1050	1600						1950	
Water out height	mm	350	500						650	

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Water inlet flange	DIN	DN65	DN80	DN100	DN150			DN120		DN250
Water outlet flange	DIN	DN100	DN150			DN200		DN250		2xDN200
Back wash nozzle	G	G1/2"								
Vent nozzle	3A	φ2"								
Slag notch	DIN	DN100	DN150				2xDN150			
Net weight	kg	41	76	95	109	123	142	164	205	245
Operating weight	kg	68	136	164	196	232	273	327	409	491



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