



# **WASTEX EXTERNALLY FED ROTARY DRUM SCREEN**

**WASTEX**

## EXTERNALLY FED

### Rotary Drum Screen



### Product Introduction

RDS series drum screen mainly focuses on the medium flow rate, low and medium solids rate of sewage, which is a compact structure, completely closed and low failure rate model, and it solves common sewage solid-liquid separation equipment. The screen can be a wedge-shaped screen or a perforated screen, with the common aperture being 0.25~6mm.

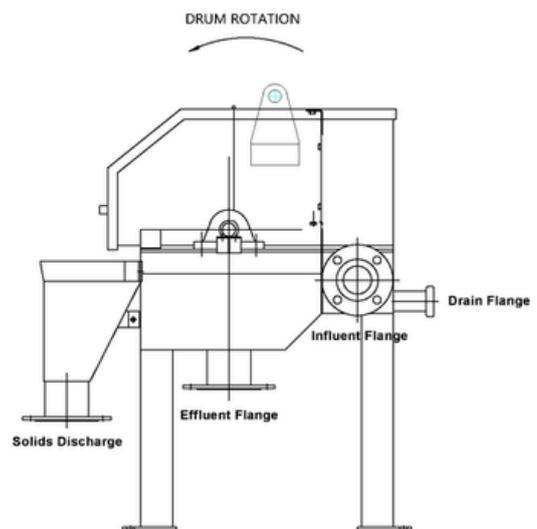
During operation, sewage (or other raw water) enters the water tank from the inlet pipe, sprays evenly through the baffle plate (or water distribution pipe) to the front of the drum surface, and flows into the drum through the grid slots, and finally flows out from the lower part.

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

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#### Product Feature



Outside drawing

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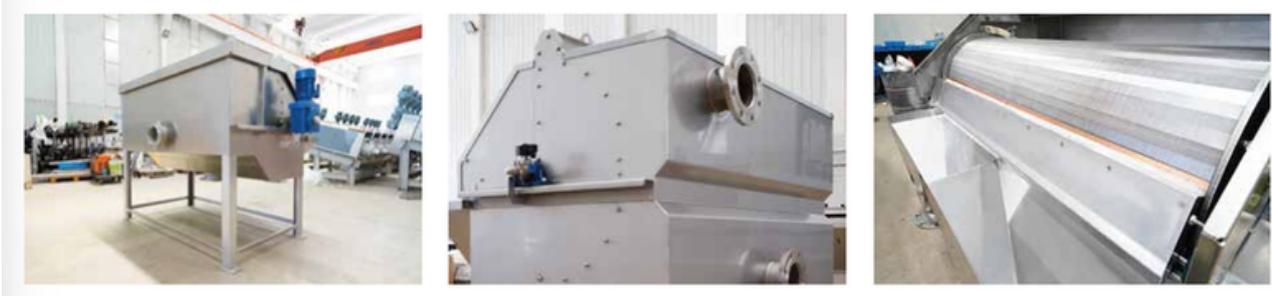
- 1.SS304 stainless steel member;
- 2.Integral structure;
- 3.External spray system;
- 4.Sealing cover plate;
- 5.Frequency control range 4-20 rpm;
- 6.Automatic blow slag;
- 7.Timed back flush.

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#### Application Scenarios

SS316L stainless steel member; Liquid level switch; Backwash solenoid valve, Backwash pump; Electric control cabinet.



#### 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.

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เครื่องกรองตะแกรงแบบ  
ถึงหมุนป้อนจากด้านนอก



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### Rotary Drum Screen

## SPECIFICATION PARAMETERS

Serviceable range	Soilt	RDS03/300 (m <sup>3</sup> /h)	RDS06/400 (m <sup>3</sup> /h)	RDS06/700 (m <sup>3</sup> /h)	RDS06/1000 (m <sup>3</sup> /h)	RDS06/1300 (m <sup>3</sup> /h)	RDS06/1600 (m <sup>3</sup> /h)	RDS06/2000 (m <sup>3</sup> /h)	RDS08/2000 (m <sup>3</sup> /h)	RDS08/2500 (m <sup>3</sup> /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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เครื่องกรองตะแกรงแบบ ถังหมุนป้อนจากด้านนอก





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