

EQUIPMENT



EXTERNALLY FED ROTARY DRUM SCREEN

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- **High filtration efficiency:** Removes fine particles down to ~10–50 µm for clear filtrate.
- **Continuous, automated operation:** Rotary drum delivers steady filtration with minimal manual intervention.
- **Low energy consumption:** Simple mechanics and efficient hydraulics reduce power use.
- **Self-cleaning:** Timed spray/backwash or optional brush prevents clogging and maintains throughput.
- **Compact footprint:** Space-saving design suits retrofits and tight plant rooms.
- **Durable construction:** Corrosion-resistant stainless steel for long service life.
- **Low maintenance:** Easy access to wear parts shortens service time.
- **Versatile applications:** Trade wastewater, municipal, aquaculture, and stormwater.

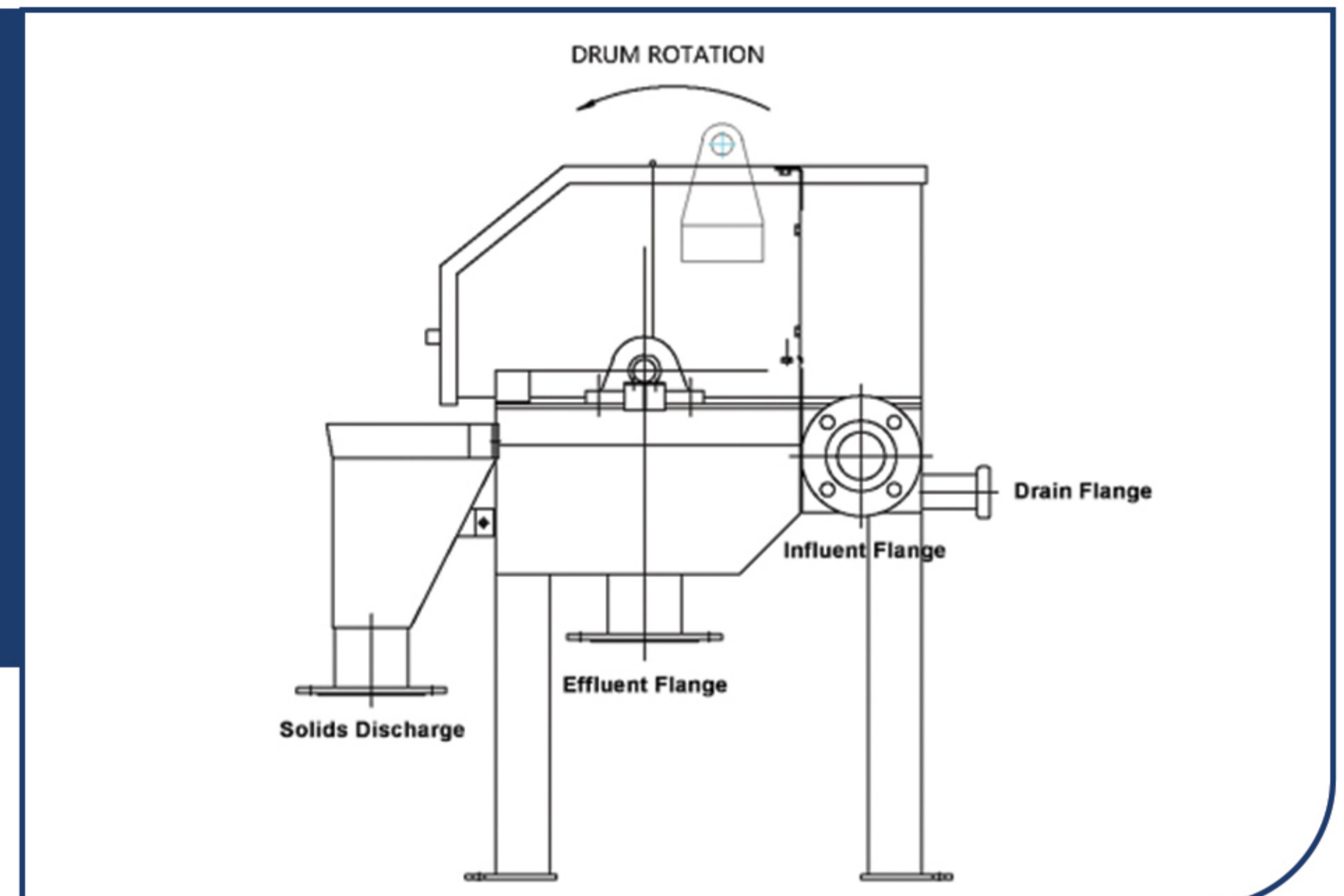


Working Principle

Influent spreads over the external drum surface, where a fine mesh retains suspended solids.

As the drum rotates, retained solids are conveyed to the discharge zone and removed by the scraper/unloader.

A time-controlled spray bar backwashes the mesh to prevent clogging and maintain flow. The integrated drive (typ. ~4–20 rpm via VFD) allows process tuning for varying loads.



Features

Standard Features

- SS304 stainless steel construction (SS316 available)
- Integrated, compact frame with sealed cover to control odour and spillage
- External spray cleaning system with timed backwash
- Variable-speed drum via VFD (approx. 4–20 rpm)
- Automatic solids discharge system
- Service-friendly access to key components

Options & Accessories


- Mesh sizes ~10–1000 µm
- Brush assembly for fibrous loads
- Wash pump skid; CIP connections
- Local control panel; level/flow interlocks
- Support stand, discharge chute, bagging adaptor

Specifications and Parameters

Serviceable range	Soil	RDS03/300 (m ² /h)	RDS06/400 (m ² /h)	RDS06/700 (m ² /h)	RDS06/1000 (m ² /h)	RDS06/1300 (m ² /h)	RDS06/1600 (m ² /h)	RDS06/2000 (m ² /h)	RDS08/2000 (m ² /h)	RDS08/2500 (m ² /h)
Size	mm	3000×300	610×400	610×700	610×1000	610×1300	610×1600	610×2000	610×2000	610×2500
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	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
Water inlet flange	DIN	DN65	DN80	DN100		DN150		DN120		DN250
Water outlet flange	DIN	DN100		DN150		DN200		DN250		2×DN200
Back wash nozzle	G					G1/2"				

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