



Internally Fed Rotary Drum Screen

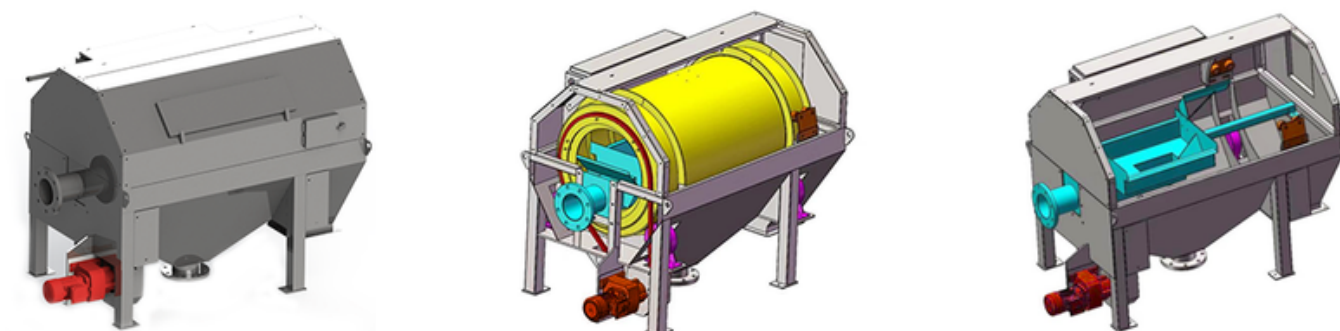
WASTEX

Product Introduction



IRDS internally fed rotary drum screen is the equipment for medium flow, medium low solid rate wastewater. It is compact sized, completely closed and low malfunction machine, which is solid-liquid separation device for normal wastewater. The conical or punched type filter can be chosen with the machine, the most common aperture is 0.25~6mm.

Product Introduction



The drum screen is supported by four rotating wheels, and the horizontal rotation is driven by TEFC reducer, roller chain and sprocket. The spray system is automatically sprayed with water. The one piece structuredesign, solid structure, the high quality stainless steel materials, to ensure that the equipment can long-term trouble-free operation, low energy consumption simple maintenance, reduce the process after the processing load.

APPLICATIONS:

Municipal Sewage treatment, Papermaking wastewater, Water Treatment Plant, Leather industry, Beverage industry, Slaughterhouse, Pharmaceutical wastewater, Food industry, Petrochemical industry.



PRODUCT FEATURE:

1. SS304 stainless steel member;
2. One piece structure;
3. TEFC drive system;
4. Anti-corrosion roller chain;
5. Cylindrical roller bearing and UHMWPE wheel assembly;
6. Screw blade;
7. External spray system;
8. Sealing cover plate;
9. Design of drain pan and slagging discharge;

Product Advantages

1. Efficient filtration

The filter screen of the internal circulation drum grille cleaning machine has high filtration accuracy, which can effectively remove suspended solids, fibers, hair and other impurities with smaller particle sizes in sewage, greatly improving the quality of sewage treatment.

2. High degree of automation

The equipment is equipped with advanced control systems that can achieve functions such as automatic operation, automatic flushing, and automatic slag discharge, reducing the workload of manual operation, lowering labor intensity, and improving the stability and reliability of equipment operation.

3. Stable operation

The drum adopts a special design and manufacturing process, which rotates smoothly and is not prone to problems such as jamming and vibration. Moreover, the various components of the equipment are closely coordinated and can operate stably for a long time in harsh working environments.

Product Advantages

4.Small footprint

Compared to some traditional grid cleaning equipment, the internal circulation drum grid cleaning machine has a compact structure and a small footprint, making it particularly suitable for use in sewage treatment plants with limited space.

5.Easy maintenance

The various components of the equipment are designed reasonably, easy to disassemble and install, and convenient for daily maintenance and upkeep. Moreover, the flushing system can effectively prevent filter clogging, reduce the frequency of filter replacement, and lower maintenance costs.

Specification Parameters

Serviceable range	Solt	IRDS-3036(m³/h)	IRDS-3048(m³/h)	IRDS-S3060(m³/h)	IRDS-4248(m³/h)	IRDS-4272(m³/h)	IRDS-5472(m³/h)	IRDS-5496(m³/h)
Dimensions Of Screen	mm	φ800x950	φ800x1220	φ800x1524	φ1060x1200	φ1060x1830	φ1380x1830	φ1380x2440
Municipal sewage	2.5	136	182	227	318	455	636	818
Paper industry	0.1	30	41	52	68	102	145	193
Paper industry	0.8	72	80	95	125	193	273	364
Paper industry	1	73	103	127	159	227	386	500
Fruit And Vegetable Industry	0.5	68	91	114	148	216	318	341
Fruit And Vegetable Industry	0.8	73	95	118	180	227	455	477
Seafood Industry	0.5	55	73	95	125	193	296	382
Seafood Industry	0.8	59	80	102	136	205	318	421
Meat Industry	0.5	55	73	95	125	193	296	386
Meat Industry	0.8	59	80	102	136	205	318	421
Poultry Industry	0.5	55	73	95	125	193	296	386
Dimensions (LxWxH)	m	2.1x1.2x1.4	2.4x1.2x1.4	2.7x1.2x1.4	2.5x1.5x1.8	3.1x1.5x1.8	3.1x1.8x2.3	3.7x1.8x2.3
Influent Flange	DIN	DN150	DN150	DN150	DN200	DN200	DN300	DN300
Effluent Flange	DIN	DN150	DN150	DN150	DN250	DN250	DN400	DN400
Spray Influent	G	G1-1/4"	G1-1/4"	G1-1/4"	G1-1/4"	G1-1/4"	G1-1/4"	G1-1/4"
Solids Discharge	mm	254x305	254x305	254x305	254x457	254x457	254x610	254x610
Dry Weight	kg	500	590	720	680	1020	1700	2250
Wet Weight	kg	720	810	950	1050	1500	2000	2800
Power	kw	0.37	0.37	0.37	0.55	0.75	1.1	1.1



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