

Waste Water Treatment

WASTEMASTER TSB 1-2-3

Combined Pre-Treatment Plant



33

34



Description ▼

The WASTEMASTER TSB Combined Mechanical Effluent Pre-treatment Plant carries out up to three different processes: de-watering and compaction of screened solid waste, separation of sand (WASTEMASTER TSB 2-3) and removal of floating greasy matter (only WASTEMASTER TSB3).

Function ▼

The sewage from cesspool tanks / interceptors or industrial plants collected by special tankers, has to be pre-treated before being introduced into any kind of purification system. This treatment removes solids, sand and greasy matter that are present in the sewage to avoid overloading the system.



Application ▼

Pre-treatment plant for municipal or industrial waste water.

Benefits ▼

- ✓ Shaftless spirals: no jamming or locking even with fibrous products;
- ✓ Volume reduction of solids of up to 40%;
- ✓ Absence of intermediate bearings;
- ✓ Durable heavy-duty shaftless screws manufactured in patented process;
- ✓ Possible discharge into continuous bags or endless tube;
- ✓ Special long-life made in sectors screw brushes;
- ✓ Compact design;
- ✓ Perfect for over ground installation especially where space is limited; low civil works required;
- ✓ Low investment, operational and maintenance costs;

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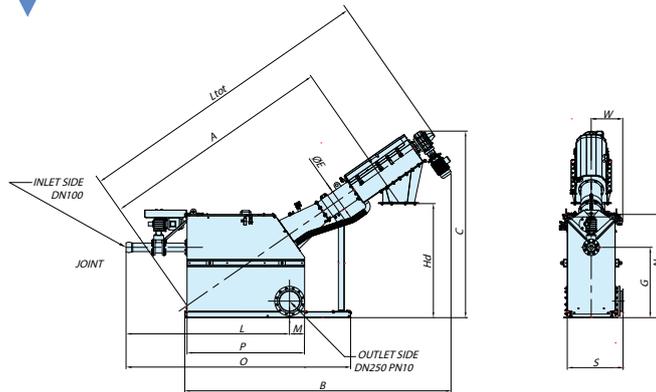


Technical Features / Performance

- ▶ Flow rates up to 30 litres per second
- ▶ Inlet screen:
- ▶ Sand separation with TSB-2/3: 95% removal grain size ≥ 0.2 mm and 2.60 - 2.65 specific gravity
- ▶ Grease/Fat removal with TSB-3 only
- ▶ Up to 40% volume reduction of solids
- ▶ Carpentry made of material in stainless steel 304L and 316L

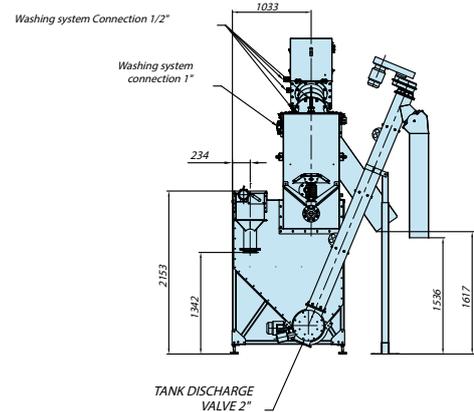
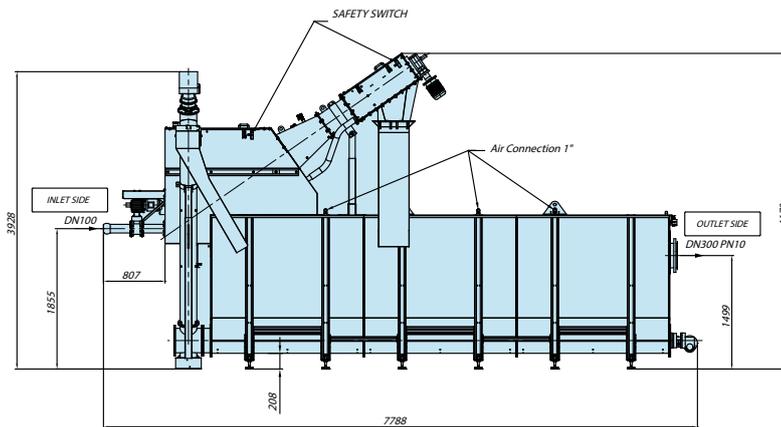
Model TSB1	Flow Rate l/sec *		
	Round Holes (mm)		
	5	6	10
15	15	15	15
30	30	30	30

Overall Dimensions



MODEL	A	B	C	ØE	G	H	Hd	L	M	N	O	P	S	W	Ltot
TSB1/15	3,110	3,504	2,440	273	940	300	1,535	2,064	300	1,380	2,982	1,560	780	411	3,972
TSB1/30	3,370	3,703	2,596	323	1,140	350	1,691	2,204	350	1,580	3,382	1,750	880	309	4,218

Dimensions in mm



TYPE	Dimensions (mm)								l/s
	A	B	C	D	E	F	G	H	
TSB 2/15	8,200	6,095	3,875	2,500	1,355	1,350	3,400	720	15
TSB 3/15	8,200	6,095	3,875	2,500	1,355	1,350	3,400	1,125	15
TSB 2/30	7,907	7,920	4,450	3,570	2,200	2,200	4,790	850	30
TSB 3/30	7,907	7,920	4,450	3,570	2,200	2,200	4,790	1,215	30

This document has been edited for distribution in European Union countries.