

SERTROM - F

Filtering drum with internal feeding

PRINCIPLE

The filtering rotating drum is built out of 304 stainless steel perforated sheet. The raw water is introduced into the interior part of the drum by a valve chamber and a double chute. The filtrate crosses the openings, while the drained products are brought towards the output of the refusal, by an internal helicoid ribbon.

DESIGN FEATURES

SERTROM - F sieves are entirely hooded. All the parts in direct contact with the effluent are made out of stainless steel or plastic materials.

DRUM

Diameter and length according to model
Mesh: according to application
Internal helicoid:
- Height: 50 mm
- Step: 300 mm

DRIVE

The drum is carried by 2 casters on the entrance side and an axis on bearing on the exit side for the small size versions and by 4 casters for the largest apparatuses.

The driving moto-reductor is assembled floating on the axis with a reaction arm. Rotating speed: approximately 10 to 15 rpm according to the model. A moto-variator is proposed as an optional extra



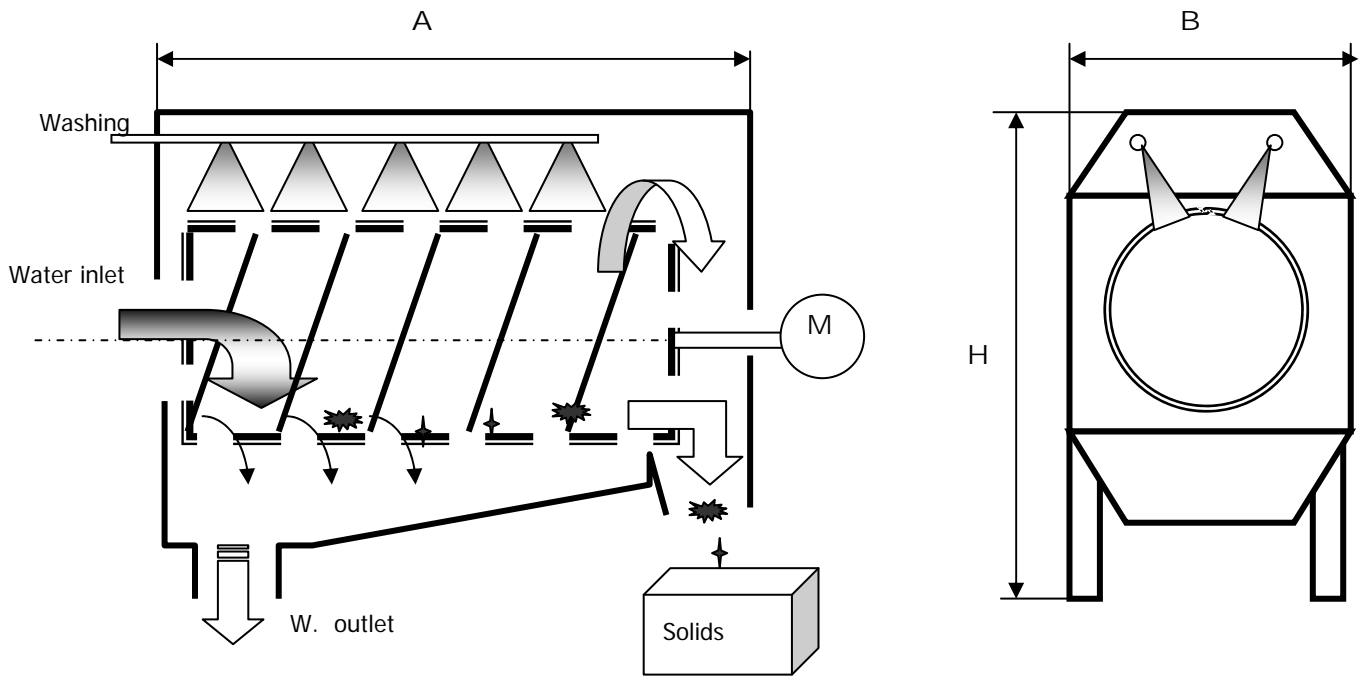
INPUT CHAMBER

- It is studied to have a good distribution of the effluent on the surface of the drum
- It consists of a box with a double chute of discharge, which distributes the flow on the drum.

This provision allows a distribution of water on a large filtering surface and an effect of tangential filtration.

CLEANING SYSTEM OF THE DRUM

It consists of two spray bars with flat jet nozzles installed outside the filter.



MODEL	Filtering drum		A	B	H
	Ø mm	Length mm			
6100	600	1000	1300	810	1400
6200	600	2000	2300	810	1400
9100	900	1000	1400	1100	1660
9150	900	1500	1900	1100	1660
9200	900	2000	2400	1100	1660
9300	900	3000	3400	1100	1660