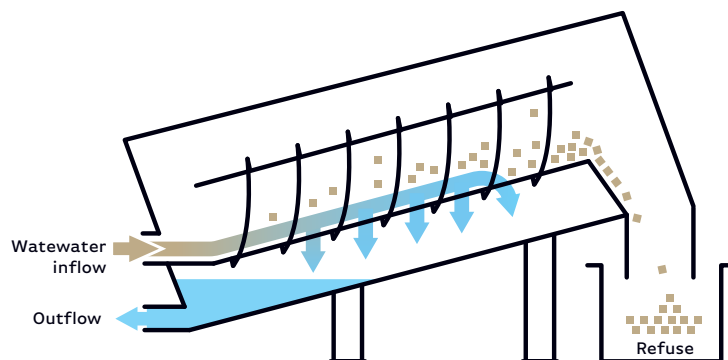


## INTERNALLY FED ROTATING SIEVES - TROMMEL

# SERTROM Sludge

The trommel internally fed rotating sieve **SERTROM-B SLUDGE** is used for sludge thickening in wastewater treatment plants.



## Principle

The **trommel** internally fed rotating sieve **SERTROM-B SLUDGE** is used for sludge thickening in wastewater treatment plants.

The filtering rotating drum is built out of 304L stainless steel perforated sheet. The

raw sludge to be treated is introduced, at one end, into the inner part of the drum through an adapted distribution box. The filtrate crosses the perforations, while the drained sludge is brought towards the

outlet by an internal helicoidal ribbon. The productivity and the dryness depend on the feed rate, the nature and the flocculation conditioning of the sludge. Their capture rate is excellent.

## Design features

The **trommel** internally fed rotating sieve **SERTROM-B SLUDGE** is entirely hooded. All parts in direct contact with the sludge are made of 304 L stainless steel or plastic materials. The **trommel** internally fed rotating sieve **SERTROM-B SLUDGE**, inclined between 6 and 8 °, depending on the model, allows an optimal dewatering of the flocculated sludge.

### Drum

- The diameter and the length of the drum are determined according to your needs. Our drum range counts 6 standard models suitable for a wide range of processing capacity (from 8 to 360 kg MS / h).

- The size of the drum perforations can be, depending on the case, 1.5 mm or 2 mm, as standard.
- An internal helicoid provides the necessary residence time for sludge dewatering process and ensures its removal.

### Inlet Chamber

It is designed to have a good sludge distribution on the internal surface of the drum. It favors the discharge of flocculated sludge along two generators located below the drum axis, which allows its distribution on a large sieving surface and a tangential filtration effect.

### Drum cleaning system

It has an external washing ramp with flat jet nozzles topped by an anti-spatter metal sheet. In option we can add an external cylindrical brush.

### Drive

The drum is carried by 2 rollers on the entrance side and by an axis on a bearing on the exit side, with direct drive from the geared motor set on the axle with a torque arm. The rotation speed is adjustable with a **mechanical variator/speed motor**, which ensures an **optimal drainage of the flocculated sludge**.

## Options

### Thick sludge

Screw Conveyor **SERVIS** for dried sludge recovery.

### Electric panel

Electric panel.

### Construction

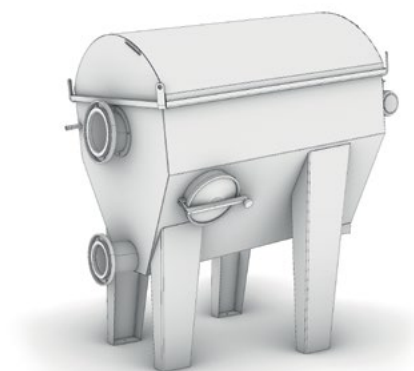
Polymer preparation plant.

### Helicoid

Double internal helicoid.

### Gateway

Lateral operating gateway.



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