

EXTERNALLY FED ROTATING SIEVE

SERTAM

Placed at the discharge of a lifting pump, the **SERTAM** rotative sieve extracts the substances in suspension, larger than the mesh size of the drum, present in the waste water of urban or industrial treatment plants.

Principle

Placed at the outlet of a lifting pump, the rotating sieve **SERTAM** continuously separates solid particles in suspension in a fluid. The flow is distributed on a filtering drum and the particles larger than the openings are retained then scraped away and recovered.

The rotating sieve **SERTAM** is a simple device able to remove considerable quantities of material for very low investment and operating costs. It is quiet, robust and easy to maintain.

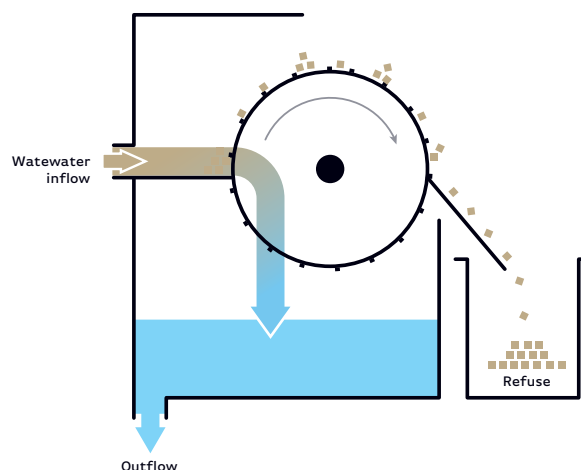
Associated with a screw compactor **SERCOMP** and a bagger, it reduces waste volumes and therefore removal costs. In addition, in the latter configuration, operators are fully protected against accidental contact with the residue.

Manufactured by **SERINOL** for the past 27 years, more than 1200 units – including the rotating sieve **ECOTAM**, have been installed all around the world. As a proof of the quality of our **SERTAM** sieves, and of the trust of our customers, some of them

have already ordered dozens of units from us since the beginning.

A continuous **pre-cleaning** is ensured by the filtered water, which crosses the drum from the interior towards the exterior.

A more thorough **intermittent cleaning** is carried out by a spray bar supplied by the tap water system, with flat jet nozzles installed inside the drum.



Design features

The **filtering drum SERTAM** is made of stainless steel triangular section wires: this wire allows a very favourable hydrodynamic flow coefficient, from the exterior towards the interior. It facilitates the unclogging of the grid from the inside towards the outside.

Rolling up is carried out by a 0.05 to 5 mm spacing out between wires, following the required filtration.

Upon request, the drum can be made of perforated metal sheet.

Dimensions of the sieve, diameter from 400 to 900 mm, length from 400 mm to 3

m, standard or short height, the positions and the dimensions of the inlets/outlets flanges, are adapted to your needs.

The **scraper** is made out of a brass blade, fixed on a stainless steel articulated chute whose position, in relation to the drum, is manually adjusted. The **rotation** is ensured by a geared motor with a speed adapted to the diameter of the drum. A variable speed motor is available as an optional extra.

The **dimensions of the screen** – diameter and length of the drum, standard or lowered box height – as well as the positions and dimensions of the inlet / outlet flanges, are defined according to the application

and the location desired by the customer.

The **sides of the drum** are largely openwork in order to facilitate direct access inside the drum, for inspection and maintenance, and to facilitate major cleaning when necessary.

The **nozzles** on the wash bar are made of polypropylene to eliminate any risk of galvanic corrosion.

For **tough applications**, the wash bar can be moved closer to the drum and equipped with high impact nozzles.

All components have been selected with care to ensure a **longer lifespan**.

Options

Box

Standard or low height box.

Drum

Perforated metal sheet drum.

By pass

Possibility of including an internal bypass box.

Compactor

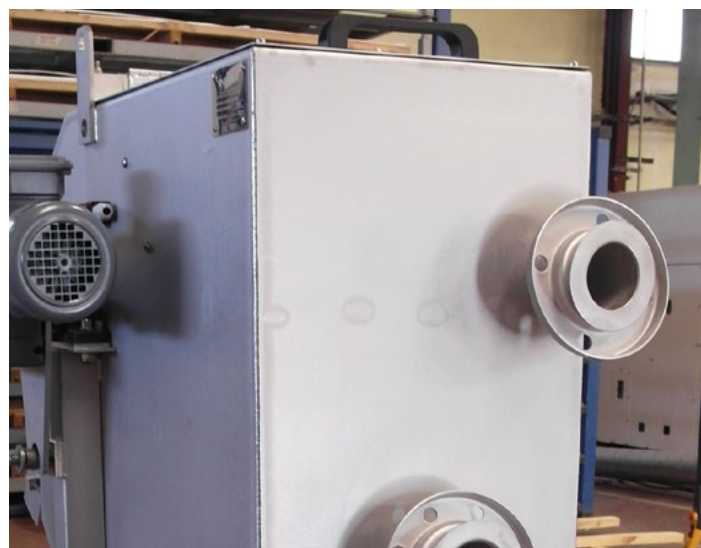
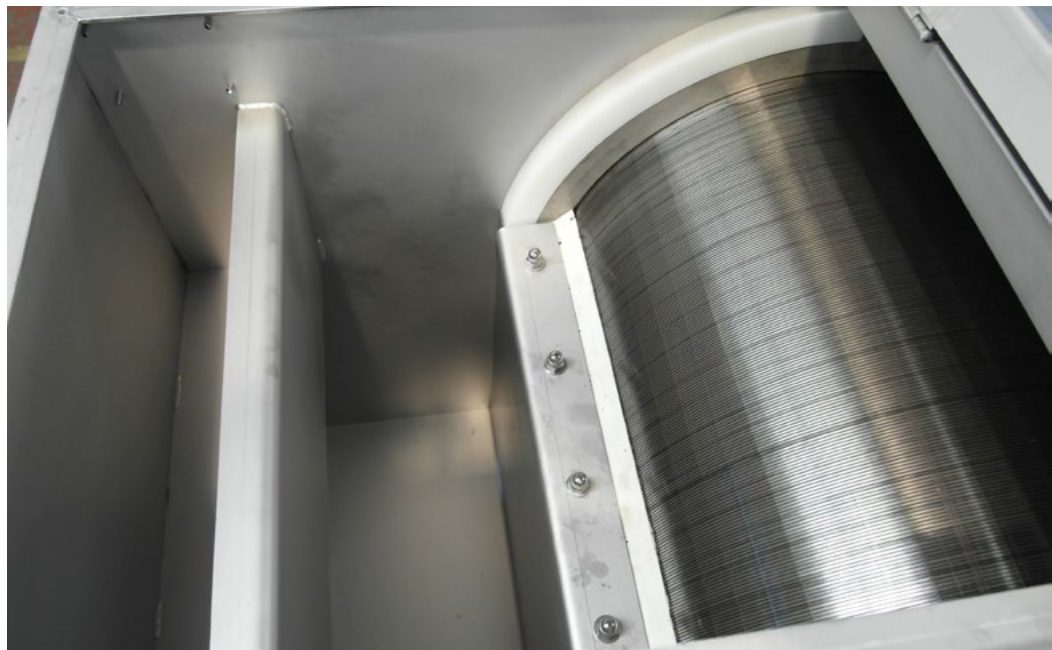
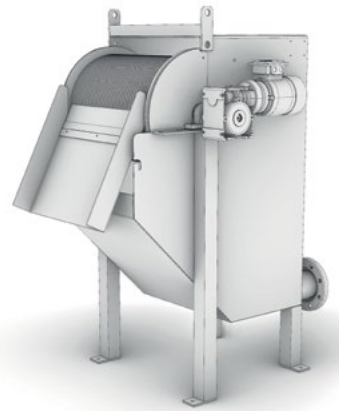
The collected waste can be compacted with our screw compactor **SERCOMP**.

Screen

In the case of process applications, it is possible to have several interchangeable drums with different mesh sizes.

Construction

316L as an option.



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