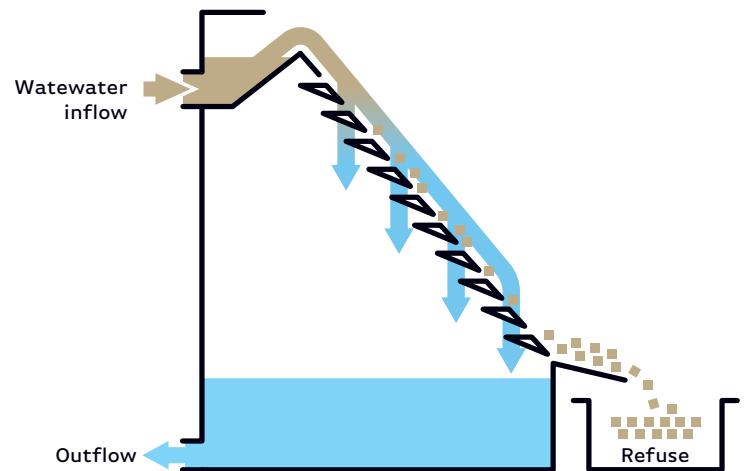


SCREW COMPACTORS

SERCOMP

The screw compactor **SERCOMP** ensures the compaction of filtered rejections in the wastewater treatment stations.



Principle

The screw compactor **SERCOMP** ensures the compaction of filtered rejections in the wastewater treatment plants. It reduces the volume of waste by around 50% and increases the dryness of the compacted rejects.

It has sometimes happened for some customers that the return on investment is achieved in less than six months simply because of the savings on the removal costs.

The pressing is carried out by an Archimedes' screw. The screw pushes the recovered solids on the filtering drum until an outlet gate, on which a spring maintains a backpressure, ensuring the compaction. The drained water is recovered and then channelled towards the well.

Design features

The screw compactor **SERCOMP** consists of the following elements:

- **Housing** made of stainless steel sheet with an opening corresponding to the working width of the sieve.
- In the lower part, a **polyethylene lining** reduces frictions and the wear of the housing.
- When the screw compactor **SERCOMP** is supplied in complement of a rotary sieve **SERTAM**, an integral hood on the filtering drum and the trough of the screw ensures a complete protection for the operator.
- A caisson with two lateral doors (*),

- containing the stainless steel drip drum.
- This drum (500 mm in length and 210mm in diameter) is made of 304L perforated metal sheet.
- In the lower part of the caisson, a 76 mm diameter pipe receives the drained water.
- A fitting to connect to the water supply network, is directed towards the mouth of the preceding tube to clean it.

(* *These 2 side doors provide access to the entire surface of the drum for thorough periodic cleaning with the lance. In addition, they allow you to see and clean the mouth of the drip tube subject to clogging.*

- An outlet chute of compacted waste, in which the gate, assembled with adjustable-springs that closes the end of the filter drum, maintains the counter pressure. The back pressure is adjustable by means of a spring hinge.
- An Archimedes' screw made of high resistance steel with an external diameter, 150 or 200 mm – depending on the model and the flow rate of the waste to be compacted.
- A 1,1 KW geared motor to drive the screw.
- 4 feet in 60 x 60 stainless steel tube with floor fixing plates.

Options

Compaction

Screw compactor **SERCOMP** model Ø300 for a maximum of waste to be compacted.

Compaction zone

Insulation and electrical tracing of the compaction zone (in this case the two side doors are replaced by a single top cover).

Humidification

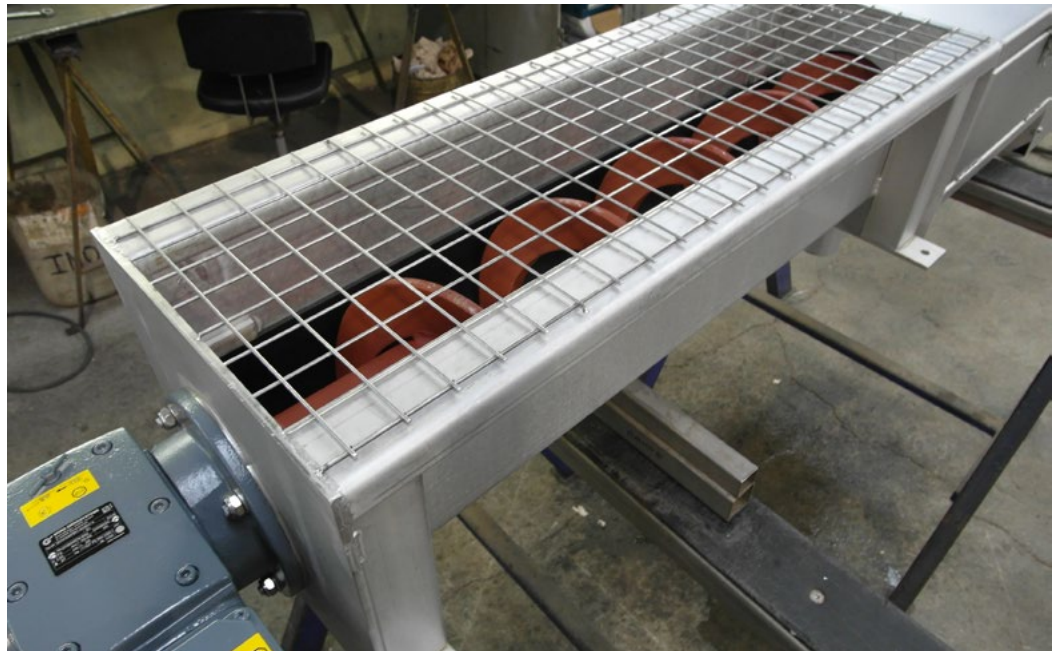
Double humidification ramp, with solenoid valve + isolation valve.

Bagger

Possibility to add a bagger.

Construction

Standard stainless steel construction 304L, 316 L optional.



contact@serinol.com
+33 (0)4 68 76 52 52

65, avenue Ernest-Léonard
11150 BRAM FRANCE



Online product details
www.serinol.com