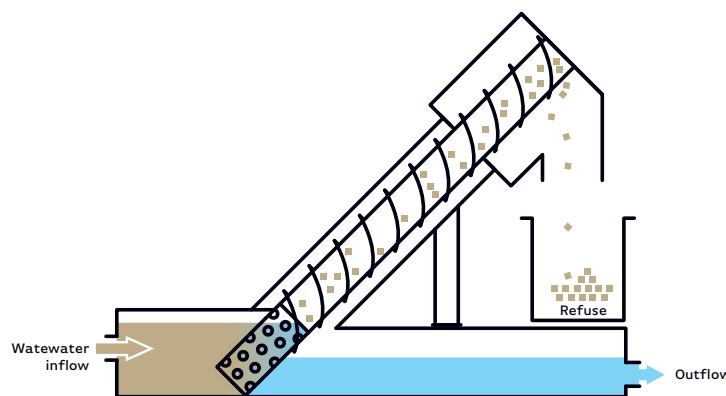


SCREW SCREENS

SERTAMVIS

The screw sieve **SERTAMVIS** may, as the elevating screen sieve **SERTEL**, be installed in a channel or in a steel housing.



Principle

The screw sieve **SERTAMVIS** may, as the elevating screen sieve **SERTEL**, be installed in a channel or in a steel housing.

In the **SERTAMVIS**, the screen is semi-cylindrical on 225 degrees. The raw water flows through the screen, and the solid matter stopped is extracted by an Archimedes' screw without central axis until the upper outlet. These sieves have a 35 ° inclination,

in order for the screw to easily scrape up the matter.

They may be used in many applications, however it is not advised to use them to treat very greasy wastewater or effluents with high fibre content, in which case we recommend the use of a curved sieve **SER-COURB** or an elevating screen sieve **SERTEL**.

On the other hand, the **SERTAMVIS** is not

sensitive to the presence of stones or large pieces.

The screw screen **SERTAMVIS** can be used in water pretreatment for a wide variety of applications and in unloading of water cleaning trucks.

It is a simple and robust system that can receive and transport large pieces.

Design features

The sieve diameter is chosen according to the water flow rate to be treated and the grid slot. The standard diameters are: 300, 400, 500 and 600 mm.

Then, depending on the depth of the channel and the desired discharge height, the correct length is defined.

Useful length varies by 0,5 m stretch from 1,5 to 7 m and more.

- The equipment is made of AISI 304 L stainless steel, except the no-axis Archimedes' screw;

- Up to a 2 mm slot the grid, manufactured with wire of triangular section. Further, we use perforated sheet metal;

- Slide polyurethane flaps ensure the sealing between the canal sides and the grid;

- Screws are made of high grade steel.

There are several diameters: 300, 390, 490, 590 mm, adapted to the screen diameter, and a nylon brush fixed on the surround ensures the cleaning. In the transportation zone, the screw diameter is 300 mm and there is a conic part when appropriate, between both;

- The transport tube between the screw and the outlet is 323 mm in diameter. 4 removable attrition platters are set on its internal lower part;

- The compaction area – optional – is equipped with a perforated metal sheet strainer and a draining pipe heading to the channel;

- An articulated supporting foot, adjustable in height, blocks the position of the equipment and if necessary allows to raise it up for maintenance of the grid or the brush.

Options

Housing

Standard prefabricated stainless steel housing or with secondary bypass channel and manual grid

Panel

Electrical control panel.

Maintenance

Water spray ramps with solenoid valves in the straining transport and compaction zone.

Chute

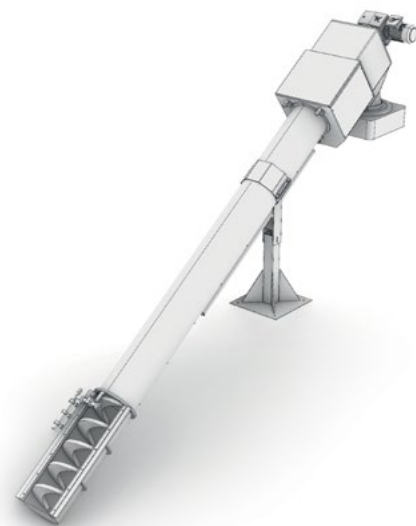
Descent chute and bagging device.

Compaction

Compaction unit.

Construction

Stainless steel construction 316 L.



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