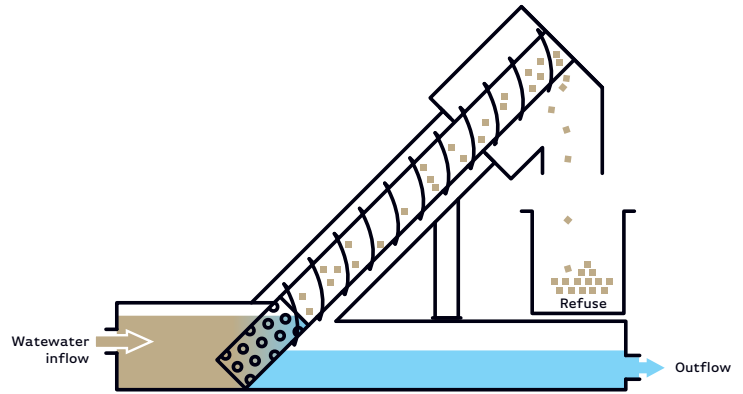


SCREW SCREENS

# ECOTAMVIS

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## Principle

The screw sieve **ECOTAMVIS** is installed in a channel or a housing. The raw water flows through the screen, and the solid matters stopped are extracted by an Archimedes screw, without a central axis, until the upper outlet.

The purpose of this economical model screw sieve **ECOTAMVIS** is to offer an adapted device for small installations with a lower cost

than the screw sieve model **SERTAMVIS**.

Thus the screw sieve **ECOTAMVIS** is comparable to the screw sieve **SERTAMVIS**: 35 ° inclination in order to facilitate the upward movement of waste, it has the same nylon brush cleaning system and the sieve screen is hemi-cylindrical at 225°.

The main objective is achieved thanks to

the technical simplifications provided by the choice of a single dimension perforated sheet metal grid.

Based on a simpler engineering than the screw sieve **SERTAMVIS**, the screw sieve **ECOTAMVIS** is more adapted for small installations with **flow rates lower than 20 m<sup>3</sup> / h**.

## Design features

There is just one grid model, 200 mm in diameter and 500mm in length, convenient for the low flow rates.

The length of the device will be defined according to the depth of the channel and the desired height of rejection with the useful lengths varying by steps of 0.5m; from 1.5 to 4.5 meters maximum.

- The equipment is made of AISI 304 L, except the no-axis Archimedes' screw.
- Depending on the desired mesh, the grid is manufactured from perforated sheet metal with hole diameters ranging from

3 to 10 mm or from triangular wires for cracks ranging from 0.5 to 2 mm.

- Side flaps ensure the seal between the civil engineering and the grid.
- Screws are made of high grade carbon steel and are 200mm in diameter.
- The transportation tube between the screw and the outlet is 219 mm in diameter. On its internal lower part, 4 attrition platters are set.
- A Nylon brush ensures the unclogging of the grid.

- The compacting section – optional – is simpler in design than on the screw sieve **SERTAMVIS**. It is equipped with a perforated sheet metal part, a plug, washing nozzles and a pipe for returning the drippings to the channel.

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

## Options

### Wiring

Wiring of the engine and electromagnetic valve.

### Maintenance

Pre tubing of the spray scrubbing.

### Construction

Stainless steel housing with adapted inlet and outlet flange.

### Bagger

Bagging equipment.

### Cleaning

Water spray ramp with electromagnetic valve in the straining zone.



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