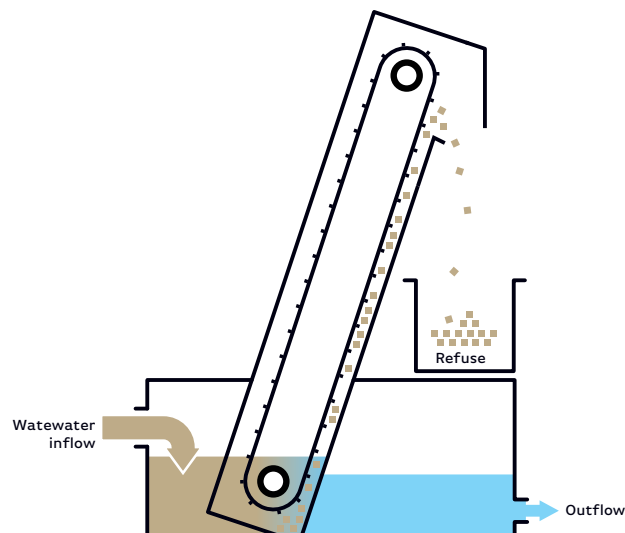


ELEVATING SCREEN SIEVE

SERTEL VERTICAL

The elevating screen sieve **SERTEL Vertical** is installed in a circular or rectangular pit or in a pumping station and **protects the pumps**.



Principle

The elevating screen sieve **SERTEL Vertical** is installed in a circular or rectangular pit or in a pumping station, and protects the pumps. In its lower part, a vertical grid made up of

5mm stainless steel bars, spaced at least 10 mm apart, stops particles larger than the opening slot contained in the effluent.

These particles are continuously scraped up towards the outlet chute. These scrapers are fitted with stainless steel "combs" teeth which clean the grid.

Design features

The elevating screen sieve **SERTEL Vertical** consists of the following elements:

- A **housing** made of AISI 304L stainless steel 3mm thick sheet, mainly assembled with bolts,
- The **removable filtering grid** is made of 5mm thick laser-cutted bars, with a mesh of 10 to 50 mm. The standard length of the grid is one meter. It can be modified on request. The width of the grid is defined following the flow rate, slot and draught in front of the grid,
- The **scraping system** includes:

- An axis and two gear wheels made of stainless steel,

- Two stainless steel chains with DELRIN rollers, between which supports are fixed carrying the combs,

- In the lower part and on each side of the frame, a stationary cylinder made out of polyethylene, around which come to roll the rollers of the chains,

The absence of a lower axis leaves to the effluent a totally open way towards the grid.

In the upper part, a discharge stainless steel

flap ensures the cleaning of the combs and the fall of screen wastes.

DIMENSIONING

There are 17 models of the elevating screen sieve **SERTEL Vertical** with length varying from 2 to 10 meters, per 500 mm step.

The model definition is done following the depth of the pit and the height of the outlet chute.

- In standard, we propose 7 different widths – from 250 to 1500mm for this equipment. It will be chosen following the flow rate, slot and draught in front of the grid.

Options

Compactor

Possibility of association with a screw compactor **ECOCOMP**, **SERCOMP** or **SERCOMP PLUS** depending on the minimal dryness required

Hopper

Adapted hopper made of stainless steel allowing the waste to be rejected on the upstream side.

Screen basket

Possible integration on this hopper of a manual back-up screen basket, in the case of malfunction of the screen.

Panel

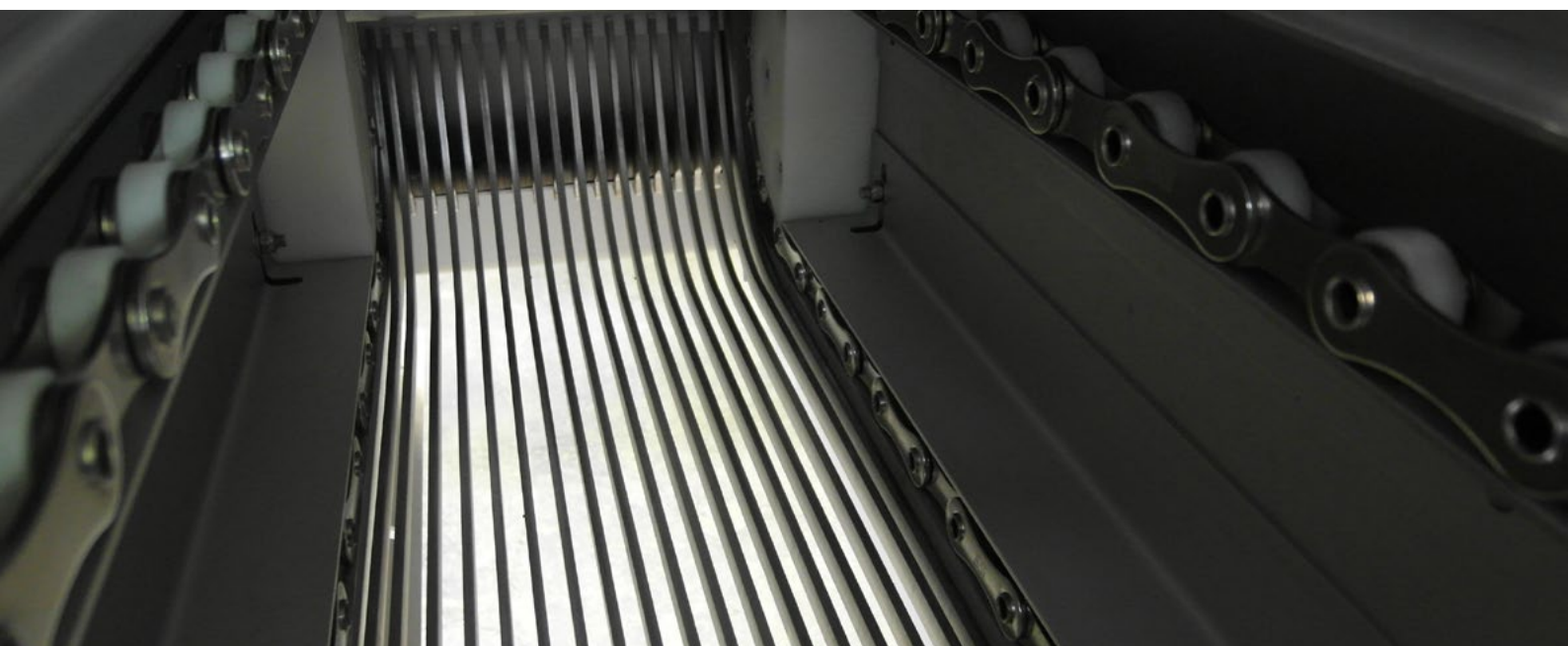
Electric panel with level probes.

Bagger

Possibility to add a bagger.

Construction

AISI 316L construction on request.



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