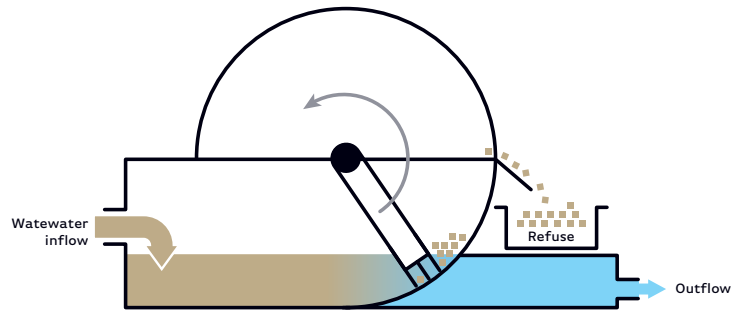


UNITS FOR SEWAGE SLUDGE SCREENING

PACK SEWAGE SCREENING

The dredging and screening of sewage matters (MDV) require a simple, robust screening system with few consumables, in order to recover the maximum number of wipes in particular: this is the role of the model **PACK MDV**.



Principle

The dredging and screening of sewage matters (MDV) require a simple, robust screening system with few consumables, in order to recover the maximum number

of wipes in particular: this is the role of the model **PACK MDV**. A curved screen **SERCOURB** inserted in a stainless steel box above ground entirely covered, is used for

sieving. Its curved grid retains particles larger than the mesh size, **recommended at 10 mm**. These are scraped and pushed to an integrated screw compactor **SERCOMP**.

Design features

The **PACK MDV** is made up of the following elements:

- A curved screen **SERCOURB**, inserted in an above-ground box, having the following characteristics:

A **sieve screen**, curved, removable, made of stainless steel plates laser cut with a 10mm mesh. (Different mesh available on request)

Two grid widths are available depending on the discharge flow rates:

- The first can handle a flow rate of **50 to 60m³ / h**
- The second accepts flow rates up to **120m³ / h**.

- The **scraper system** comprises:

- Four arms mounted on an axis carried by two stainless steel self-aligning bearings,

- On two ends of the arms, a rubber flap allows the first evacuation of the rejects retained by the grid. These are the largest materials,

- The other two ends are fitted with a stainless steel comb mounted on a retractable support. The comb ensures optimum unclogging of the grid between bars. The articulation with a return by gas spring makes it possible to avoid the blocking of the scraper if an object gets stuck in the grid.

- A **geared motor** suitable for the MDV application drives the arm in rotation.

- The **ejection system** removes the material deposited on the scrapers or rubber flaps to send them to the jetty chute. This balance is mounted on two stainless steel self-aligning bearings.

- A screw compactor **SERCOMP**, strongly inclined in order to quickly gain in discharge height. The 300mm diameter Archimedes' screw ensures a high material flow.

Stone traps

In standard, to protect the bar screen, a stone trap is integrated directly into the vessel. The filtrate evacuation is made via a tap fitted with a valve, and the pebbles are extracted manually directly into a trash can.

Options

Panel

Electric control panel.

Automatic valve

Automatic valve on the inlet flow connections.

Converters

Frequency converter on geared motors.

Screen

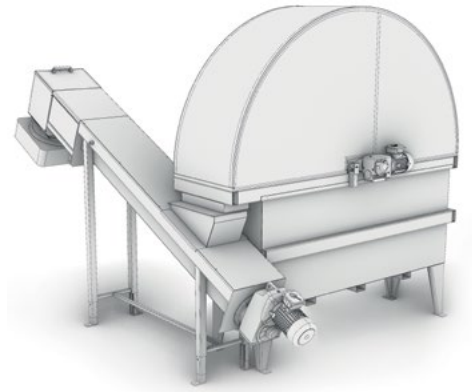
Sieves **SERTAM** (rotating) or **SERTEL** (elevating screen) installed on the plat.

Flange

Flange for connection to a deodorization.

Resistive probe

"Very high" level detection resistive probe.



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