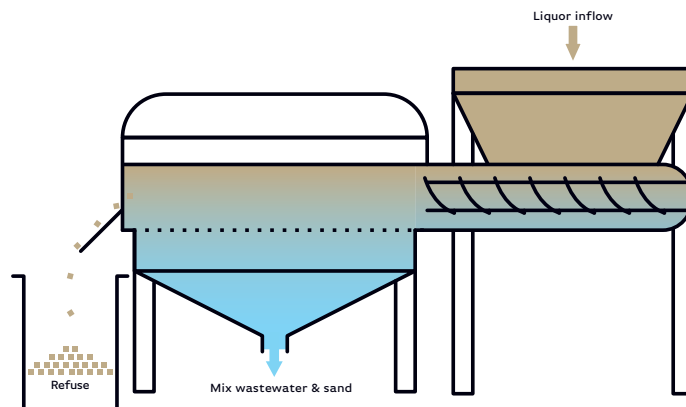


## UNITS FOR SEWAGE SLUDGE SCREENING

# PACK CURAGE

This **Cleaning Pack / Pack Curage** set is intended for the screening of sewage sludge. Specially adapted for a **grappling hook supply**, the feeding hopper receives all the grapple content and regulates the matter flow towards the filtering drum by means of an Archimedes' screw, leading to the lower part of the trommel.



## Principle

This **Cleaning Pack / Pack Curage** set is intended for the screening of sewage sludge. Specially adapted for a grappling hook supply, the feeding hopper receives all the grapple content and regulates the

matter flow towards the filtering drum by means of an Archimedes' screw, leading to the lower part of the trommel. The pulp is diluted with an internal spraying water ramp. The filtrate consisting of sandy water

goes through the openings and flows in a buffer hopper right under the drum, while the waste products are conveyed towards the outlet, by means of an internal helicoidal tape.

## Design features

- The feeding hopper has an adapted opening to the grappling hook dimensions. In order to enable an optimal regulation of matter flow, there is an axeless Archimedes' screw in the bottom driven by a variable speed motor.
- We propose 2 drum models, according to the grapple capability. For grapple volume less than 300 liters, the drum is 600 mm in diameter, and for higher volumes the drum is 900 mm in diameter. In both cases, the drum is driven by a variable speed geared motor to optimize the residence time and so the dryness of the outgoing matter.
- With a 600 to 800 litres storage capacity, the hopper placed right under the drum allows to buffer the sandy water reception, **thus reducing the number of evacuation pumps starts.**

### CONSTRUCTION

The set is made of AISI 304L SS metal sheet, with the exception of the Archimedes' screw which is made of high gauge steel.

#### Feeding hopper

- Made of 3 mm thick metal sheet. The bottom of the trough has a 8 mm thick PEHD lining. **This enables to reduce high frictions and the housing screw wear abrasion.**
- Driving is done by a variable speed geared motor.
- Junction with the inlet of the drum is assumed by **flanges** – the screw going out into this flange.

#### Drum

- Standard length of 2000 mm, the diameter is chosen following the grapple's volume.
- Made of perforated metal sheet, we offer

standard slots of 5, 6, 7, 10 and 15mm

- The drum is cleaned by an external water ramp with sprinklers.
- An internal water dilution ramp helps the screening.
- An internal helicoid, 100 mm high and 200 mm screw thread, ensures the solids' displacement towards the outlet.
- The drum is maintained by 2 wheels on the inlet side and axle on bearing on the outlet side.
- The driving variable speed geared motor is floatingly mounted on an axle with a reaction arm.

#### Filtrate reception hopper

- It is made in diamond form geometry to ensure a good collection of sediments.
- A water jet is directed on the filtrate outlet

## Options

### Emergency stop

Emergency stop of the "punch" type.

### Panel

Electric panel (or) Electric pre-wiring on terminal block.

### Probes

Very high-level probe in the feeding very hopper.

### Solenoid valve

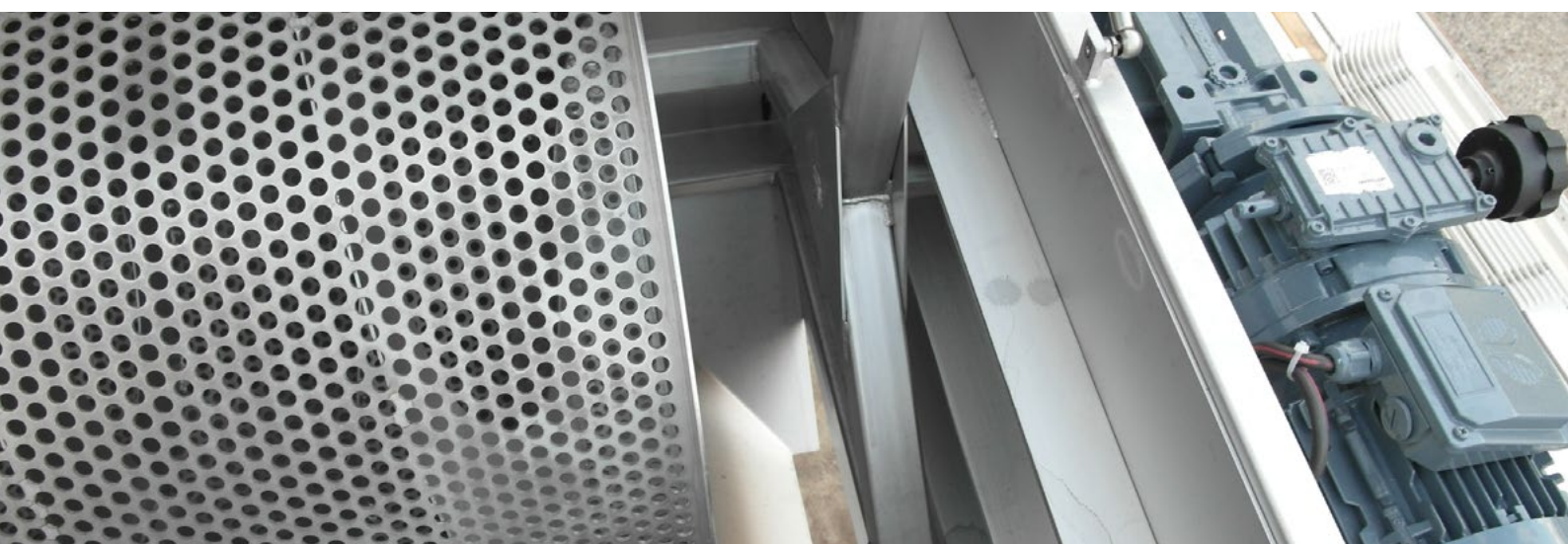
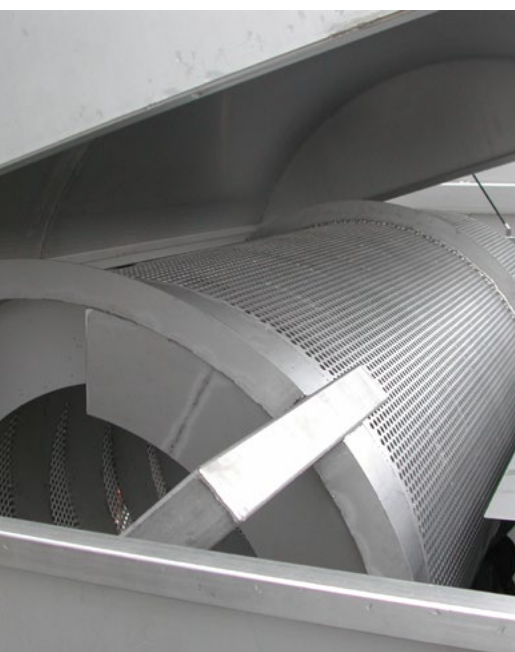
Solenoid valve plus manual valve on cleaning and dilution water ramps.

### Hopper

Level regulation module in the sandy water reception hopper.

### Construction

AISI 316 L construction.



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