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HUBER Sludge Acceptance Plant ROTAMAT® Ro3



Well-proven, efficient and rugged Septage Receiving Station

- with integrated screenings press
- with integrated screenings washing
- no odour annoyance outside

This septage receiving station is used for mechanical treatment of septic sludge.

A [HUBER Fine Screen ROTAMAT® Ro1](#) is installed in a tank. The septic sludge is fed into the tank and, as it flows through the Fine Screen, all coarse material is retained. A screw conveyor with integrated screenings press removes the screenings from the tank, reduces their volume and weight and drops them into a container or bagging device. The entire treatment takes place in a fully enclosed system; odour nuisance is thus prevented.

The screenings are additionally washed which makes them suitable for landfill. The filtrate is blended into the wastewater for further treatment in the WWTP.

The efficiency and rugged construction of this type of sludge acceptance plant is able to cope with throughputs up to 100 m³/h and has proved its reliability in every day operation. A compact construction in connection with intelligent technology provides the conditions for continuous operation - day after day, year after year.

HUBER SLUDGE ACCEPTANCE PLANT ROTAMAT® RO3.1 - SLUDGE SCREEN WITH FINE SCREEN

The robust and efficient Ro3.1 version has become the most popular system of its kind. Its superior design and engineering guarantee most dependable operation – day after day, year after year.

The main component of this Sludge Acceptance Plant is the reliable [HUBER Fine Screen ROTAMAT® Ro1](#). It excels with its high capacity, good separation efficiency and low head loss. Another exceptional feature is its integrated screenings press with all its benefits.

The ROTAMAT® Fine Screen is extremely sturdy, able to deal with rocks and grit, and is entirely made of stainless steel. It is fully self-cleaning as its rake tines fully engage with the basket.

Benefits

ADVANTAGES OF THE HUBER SLUDGE ACCEPTANCE PLANT:

- **High separation capacity**
Due to the diversion in the basket the fibrous materials and the bar-shaped particles are considerably better retained than the particles flowing straightly to the rack screen.
- **Low head loss**
Due to the drum shape and the 35° installation considerably more screening area is available for the cleaning than for instance with screening systems installed vertical or inclined. The result: low head loss - maximum throughput
- **Completely made of stainless steel**
The machine is completely made of stainless steel and acid-treated in a pickling bath which eliminates labour-intensive maintenance work otherwise caused by corrosion.
- **Automatic cleaning**
By means of the circulating screening rake the complete screening area is totally cleaned, i.e. even at high pollution load the automatic cleaning ensures a constantly free screening area. Additionally, there is the guarantee that the screenings remain constantly inside the basket (mostly in front of the screening area), thus ensuring that the screenings are not taken out of the waste water and are not transported into the already cleaned waste water behind the screen during the cleaning process.
- **Several functions in one unit**
The machine combines several functions in one system, i.e. screenings removal, transport, dewatering and compaction are combined in one plant, thus saving space. By means of an optional bagging unit the whole plant is virtually smell-tight.
- **Outdoor installation**
With a strip heater and additional insulation the ROTAMAT® Screen can also be used for frost-proof outdoor installation.
- **Additional equipment**
The ROTAMAT® plants are designed in a way that additional modifications on the plant can be carried out afterwards, i.e. the machine can be re-built acc. to future requirements. Heating as well as integrated washing can be installed later on, the bar spacing can also be reduced later.
- **Minimum maintenance**
The plant has no lubrication point, maintenance is reduced to routine control and inspection.

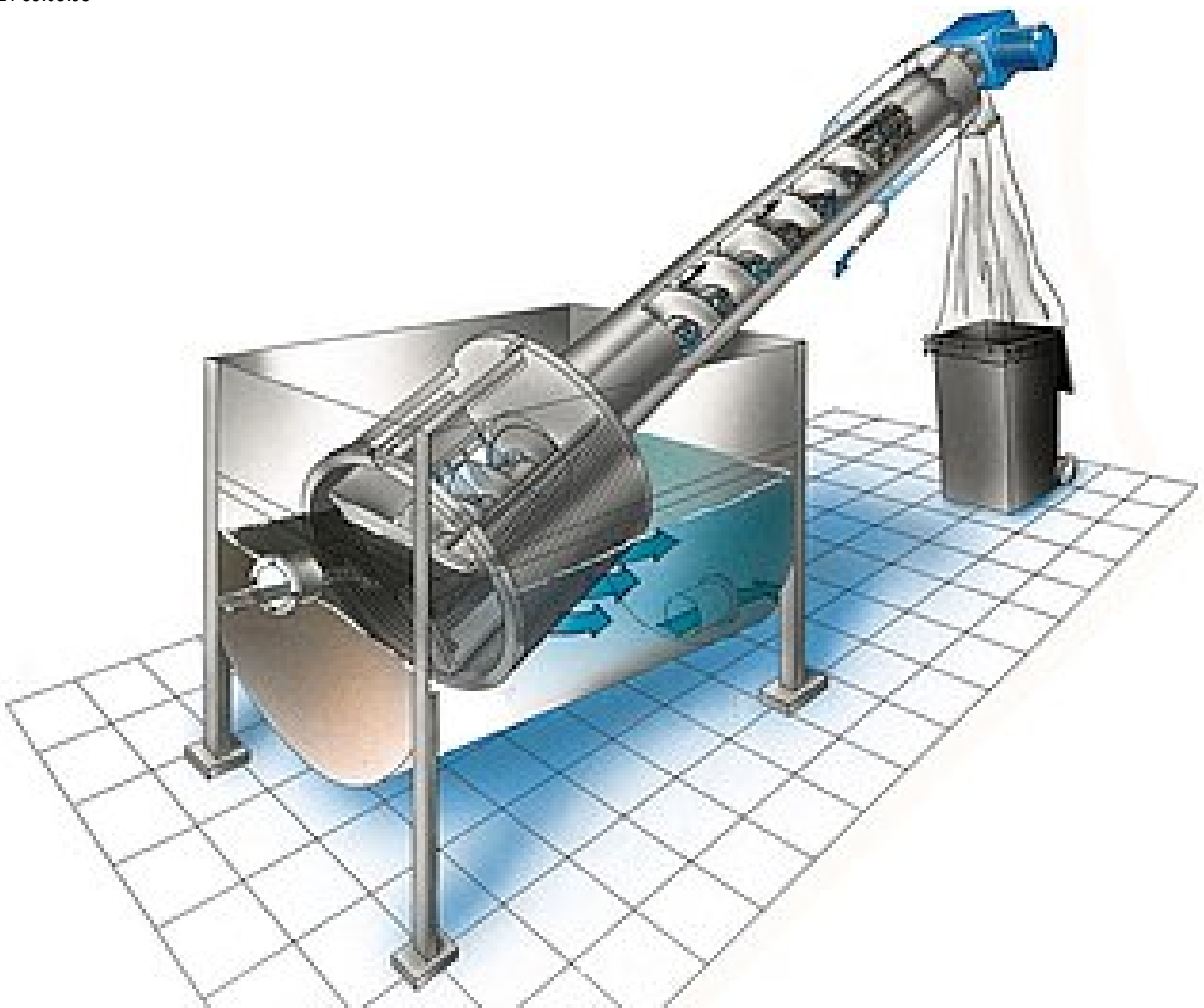
Downloads

 [Brochure: ROTAMAT® Sludge Acceptance Plant Ro3](#) [pdf, 320 KB]

Case Studies

- [HUBER Technology Sludge Screening case study at Huddersfield STC](#)
- [Sludge Acceptance and Screening at Wanlip STW for Severn Trent Water](#)
- [Press Release: HUBER ROTAMAT® Ro3 Sludge Acceptance Screens for one of the UK's largest Wastewater Treatment Works](#)
- [Well Received Septic Sludge in Finland](#)

Design Sketch



Media



More products of this group: Sewage Sludge Screens

- [HUBER Sludge Acceptance Plant ROTAMAT® Ro3.3](#)
- [HUBER Sludge Acceptance Plant RoFAS](#)

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