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HUBER Sludgecleaner STRAINPRESS®



Coarse material separator for municipal and industrial sludge and process water

- Screening, dewatering and discharge in one working process
- Continuous coarse material separation under pressure

The STRAINPRESS® is a horizontal pipe-shaped coarse material separator which consists of inlet and driving zone, screening and press zone and finally a discharge section with a conical pressure regulating device. The coarse material is separated continuously under pressure and periodical cleaning of the screening zone by backwashing is not required.

Key features:

- Coarse material screening and dewatering to approx. 45 % DS content
- Closed pipework system
- Pressure-fed system (in-line) for any type of sludge including viscous and grease containing sludge
- Reduces plant operation and maintenance costs and increases the operating reliability of downstream sludge treatment systems, such as thickening, digestion, dewatering, hygienisation, drying, etc.
- Perforations of 0.4 to 10 mm for solids/liquid separation also in industrial applications
- Throughput capacity of up to 110 m³/h for sludge, up to 200 m³/h for process water
- Reliable perforated plate cleaning without the need for any external water and without brushes, no backflushing required

- Automatic pressure cone system for maximum dewatering efficiency
- More than 1,000 installations worldwide

Benefits

THE ADVANTAGES OF THE HUBER SLUDGE CLEANER STRAINPRESS®

- The STRAINPRESS® system can be integrated in a closed pipeline system.
- Screening, dewatering and transport of the coarse material in one operation.
- No second pump is required for the screened sludge owing to the closed and compact in-line system.
- Continuous coarse material separation under pressure with a loss of pressure between 0.4 and 0.6 bar
- Washing off sludge or backwashing is not necessary.
- The horizontally moveable screw can be re-adjusted to ensure continuously perfect screen cleaning.
- Fully-automatic continuous or intermittent operation.
- Little space required, easy subsequent installation into the pipeline.
- Insensitive to varying feed volumes or coarse material structures
- The automatic pressure regulating cone ensures uniform dewatering even with strongly varying coarse material quality and concentration.
- When handling sludges with heavily varying DS and coarse material content, the pressing screw starts to work in dependence of the operating pressure (filter cake resistance).

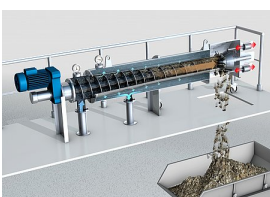
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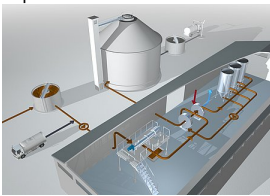
 [Brochure: HUBER Sludgecleaner STRAINPRESS®](#) [pdf, 424 KB]

Case Studies

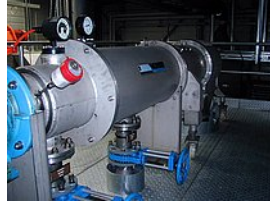
- [HUBER Sludgecleaner STRAINPRESS® to ensure energy yield from digester gas plants](#)
- [From screen building to sewage sludge drying: complete modernisation of the La Crosse wastewater treatment plant with HUBER](#)
- [HUBER STRAINPRESS® Placed in the Most Impressive City in Italy: Rome](#)
- [A HUBER Technology Wastewater Case Study at Cannock STW for Severn Trent Water](#)
- [Digestate Screening for Plastics Removal](#)
- [San Diego Experienced Benefits Beyond Contaminant Reduction](#)
- [HUBER's STRAINPRESS® Transforms Screening Process So Napa Sanitation District Can Maximize FOG System](#)
- [New size of the inline sludge screening system sets new standards for throughput capacity](#)
- [Improvement to the digestion process for one of the largest inland sewage treatment works in the UK](#)
- [Innovative Approach on the HUBER STRAINPRESS®](#)
- [Operationally reliable biogas production with the HUBER Sludgecleaner STRAINPRESS®](#)
- [Digestate Plastics Removal on an AD site in Wiltshire](#)
- [Removal of plastics from digested food waste using STRAINPRESS® Sludgecleaners](#)
- [STRAINPRESS® for sludge screening at Amsterdam: 3 years of successful operation](#)

Design Sketch





Media



Animation: Function and components of STRAINPRESS® Sludgecleaner SP

<https://www.youtube.com/watch?v=Tb2OoBr7PEs>

More products of this group: Sludge Screening

- HUBER Sludge Acceptance Plant ROTAMAT® Ro3
- HUBER Sludge Acceptance Plant RoFAS

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