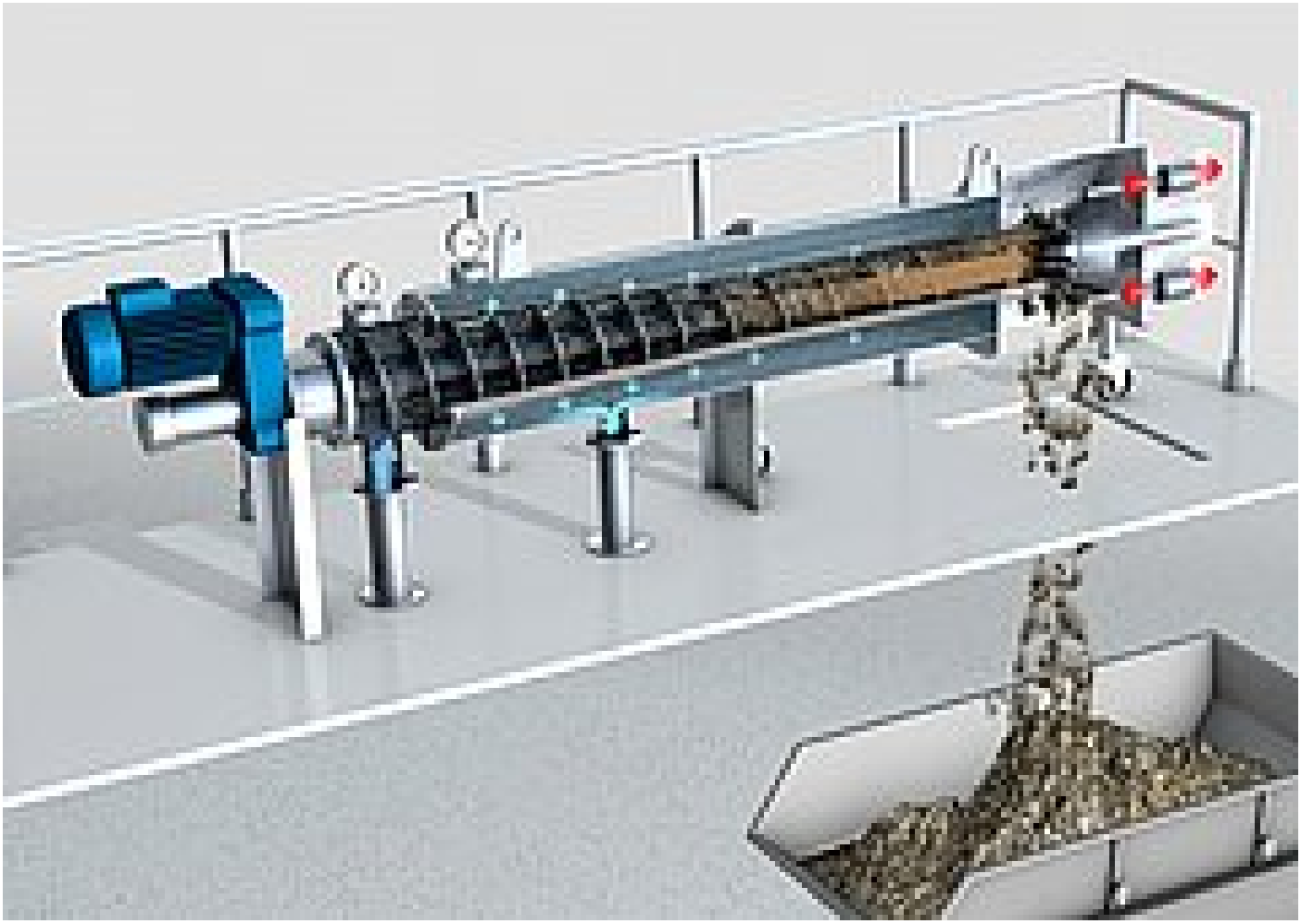
ООО ХУБЕР Текнолоджи

New size of the inline sludge screening system sets new standards for throughput capacity

Novelty – HUBER Sludgecleaner STRAINPRESS® 420

With nearly 1000 produced machines, the HUBER Sludgecleaner STRAINPRESS® 290 is one of the most proven HUBER products. To complement or as an alternative to fine screens installed in channels, the STRAINPRESS® permits the separation of solids even from closed pipeline systems. In contrast to conventional screening systems, the STRAINPRESS® not only separates solid material, it also dewaters the material before discharging it.



Schematic drawing of the HUBER Sludgecleaner STRAINPRESS®

Typical screen perforations used for screening primary sludge are 3 mm or 5 mm, with the screenings being dewatered to dry substance contents of 35 to 45% already in the discharge of the STRAINPRESS®.

To adjust to varying sludge qualities and solids properties, the screw speed and contact pressure of the dewatering unit are regulated automatically according to the pressure conditions and the motor load of the STRAINPRESS®.

It is, however, not only the screen perforation that is easily adjustable. The dewatering area can also be adjusted to different screenings properties due to its modular design. The STRAINPRESS® is therefore suitable for coarse screening of biosubstrate as well as for separating fine plastic particle from the fermentation product of biogas plants.
With the use of the newly developed size 420 of the HUBER Sludgecleaner STRAINPRESS® presented now, it is possible to separate and dewater up to 2000 l/h screenings with sludge throughputs in excess of 150 m³/h. The new unit size is of course

- suitable to be integrated into pressure lines
- completely odour-encased

- easy to retrofit with screen perforations from 2 mm to 10.

All components of the new system size are made of corrosion-resistant stainless steel, as with all other sizes. To minimize wear, the outer edges of the screw shaft are equipped with a replaceable protection on a carbide basis.

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