Huber Latin America y Cia. Ltda.

HUBER Solutions for Sludge Thickening

Thickening is the first step for reducing the sludge volume by removal of free sludge water. Thin sludge is concentrated to thick sludge. Thick sludge has a higher viscosity, but must still be pumpable.

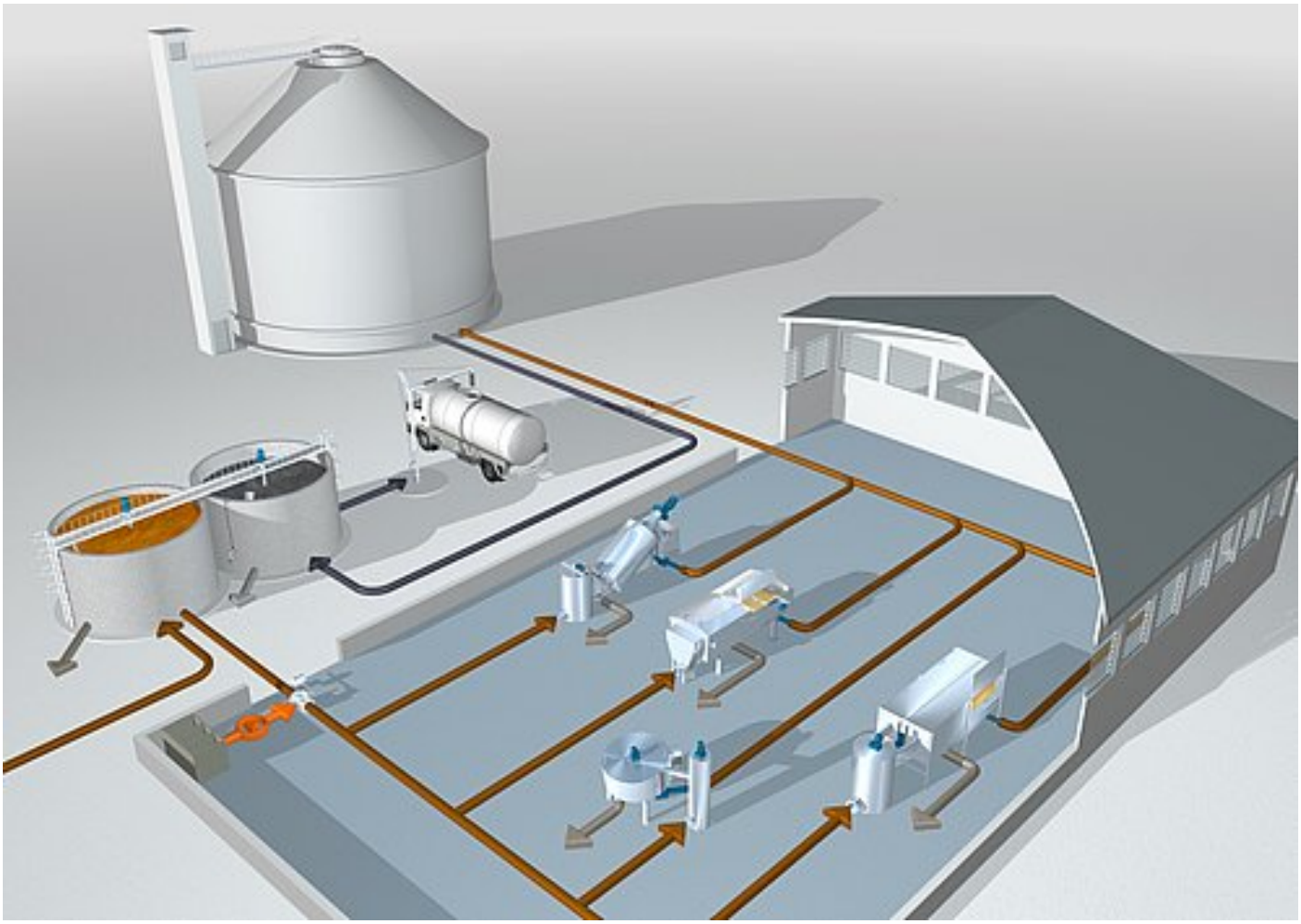
Sludge settles in gravity thickeners and is compressed by the weight of its own solids. Due to their higher specific density, primary and digested sludge can be better gravity-thickened than secondary sludge.

Secondary sludge (e.g. waste activated sludge) is preferably thickened mechanically, separate from primary sludge. Polymers are added to the thin sludge for flocculation. Generation of large and strong flocs depends on the right choice and dosage of polymers, and on intensive mixing of polymers and sludge. Sludge water is released between the flocs and drains by gravity through a filter medium (cloth or fine screen) while flocs are retained thereon.

We manufacture various kinds of highly effective HUBER machines for sludge thickening. They are all made of stainless steel and can be distinguished by their design, size and capacity. We offer best-performing equipment for every application:

- Screw Thickeners
- Disc Thickeners
- Belt Thickeners

Conceptos



Haga click sobre la imagen para obtener una visión interactiva detallada con información adicional y otros links.

Photos

Video: HUBER Disc Thickener S-DISC - here at a municipal WWTP

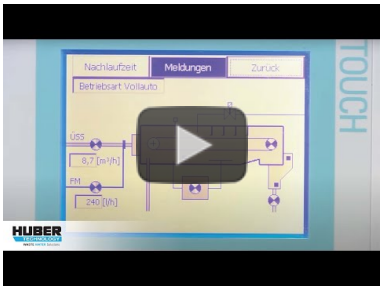
https://www.youtube.com/watch?v=3B0yOFFdLyo

Video: HUBER Disc Thickener S-DISC for thickening of excess sludge in meat processing industry

https://www.youtube.com/watch?v=HvwV0BaLd68

Video: HUBER Screw Thickener S-DRUM (RoS2) - here at a municipal WWTP

https://www.youtube.com/watch?v=uxjMve6yi50



Video: HUBER Belt Thickener DrainBelt - here at a municipal WWTP

https://www.youtube.com/watch?v=6pcHf8aJpqQ

Video: Complete wastewater treatment at the Øygarden WWTP in Norway

https://www.youtube.com/watch?v=KU2awn3DP68

Casos prácticos

- A HUBER Technology Wastewater Case Study at Uttoxeter STW for Severn Trent Water
- Prensa de tornillo Q-PRESS® de HUBER utilizada por una empresa de gestión de residuos
- A HUBER Technology Sludge Thickening case study
- La nueva prensa de tornillo Q-PRESS® 620.2 de HUBER: experiencias de funcionamiento en Bad Orb
- Espesamiento de fangos fiable en la planta depuradora norirlandesa de Magilligan
- Espesador de disco flexible en Waging am See
- HUBER sludge treatment plant on the Black Sea Coast

Productos

- HUBER Espesador de disco S-DISC
- HUBER Espesador de tornillo S-DRUM
- HUBER Espesante cinturón DrainBelt

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