



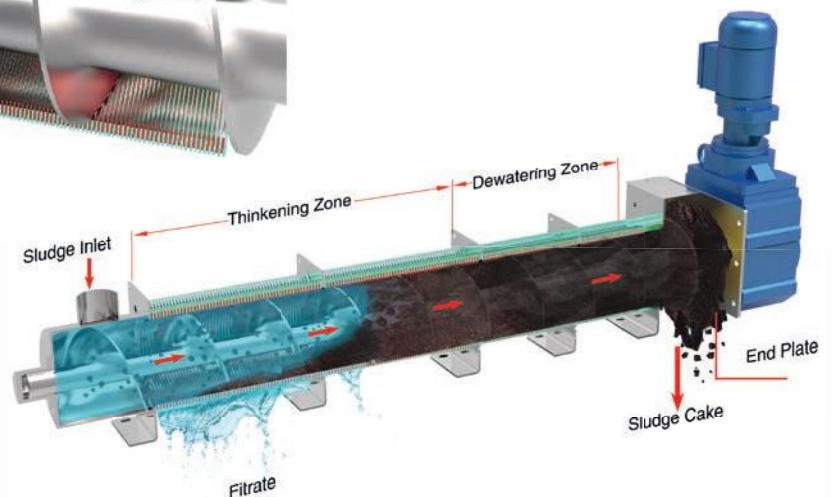
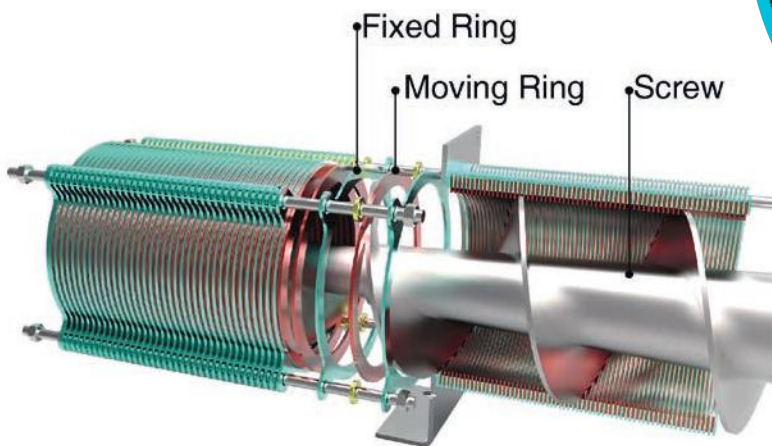
INNOVATIVE SLUDGE DEWATERING TECHNOLOGY



SQUEEZR



Unlike traditional screw presses, the SQUEEZR dewatering press features a unique dewatering drum. Spacers and fixed rings are held in place on tie rods. Moving rings, slightly smaller than the outer diameter of the screw and slightly narrower than the spacers, are located between the fixed rings and are moved by the screw. The constant movement of these rings cleans the fine gaps of the dewatering drum, preventing clogging. The moving rings also cut into the sludge cake, creating additional surface area for the release of moisture. The first section of the dewatering drum is the thickening zone. The filtrate is discharged here. The pitch of the screw narrows and the gaps between the rings decrease towards the end-plate where solids are discharged. Pressing of the sludge occurs here. The internal pressure is controlled by an adjustable end-plate.



Sludge dewatering

- Safe automatic operating system.
- Low energy consumption.
- Small footprint.
- Low maintenance and operational cost.
- Low water consumption.
- Noise level less than 68 dB(A), low vibration.
- Achieves a dry matter content of 15 - 70%.
- Lower polymer consumption.
- No need for preceding sludge thickening.
Sludge can be dewatered straight from the aeration tank.
- A continuous dewatering system, capable for working 24/7.
- Suitable for any type of sludge, even oil/grease rich sludge.
- Long lifespan.



- **Municipal:** sewage, production of drinking water, septic tank, ...
- **Chemical industry:** refinery, textile, petro chemical, ...
- **Food industry:** brewery, production of soft drinks and fruit juice, sugar refinery, vegetables, fish/meat processing, dairy, ...
- **Others:** slaughterhouses, live-stock farms, tank cleaning, ...



- Capacity: 1 kg DS/h upto 1326 kg DS/h.
- Several pilot units available.
- Also deliverable as complete containerized mobile units.



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