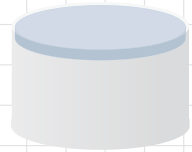


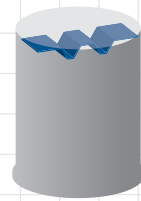
ECSB REACTOR

Econvert-ECSB® The optimized compromise. Combining a small footprint with few internals. The unique settling system of the reactor has proven to retain solids also in high flow.



Econvert UASB®

- > Footprint: LARGE
- > Height: < 8 m
- > Loading rate: < 15 (kg COD/m³/d)
- > Upflow velocity: Low



Econvert ECSB®

- > Footprint: MODERATE
- > Height: > 10 m
- > Loading rate: < 25 (kg COD/m³/d)
- > Upflow velocity: Moderate



Econvert IR®

- > Footprint: SMALL
- > Height: > 20 m
- > Loading rate: < 35 (kg COD/m³/d)
- > Upflow velocity: High

Functionality

- > Intense mixing of influent and external recirculation resulting in optimum COD concentrations
- > Adjustable up-flow velocity to adapt to specific circumstances
- > Multiple influent lines that can be adjusted individually: congestion control
- > Completely gas-tight systems: no odor nuisance
- > Biogas is collected in the head space of the reactor and forwarded for valorization
- > Patented three-phase separators designed for handling high water flows

Specifications

- > 3 x ECSB 20 ton COD/Day
- > Completely gas-tight
- > Biogas to steam application
- > High calcium concentration



Papierfabrik Adolf Jass GmbH & Co. KG, Fulda, Germany:
'Our existing anaerobic reactors were all overhauled by Econvert. We've seen an increase in overall capacity of over 30 %. This was achieved with sludge production in all our reactors.'