STA
Centrifugal Liquid Recycling

Centrifugal Separators

Self-cleaning

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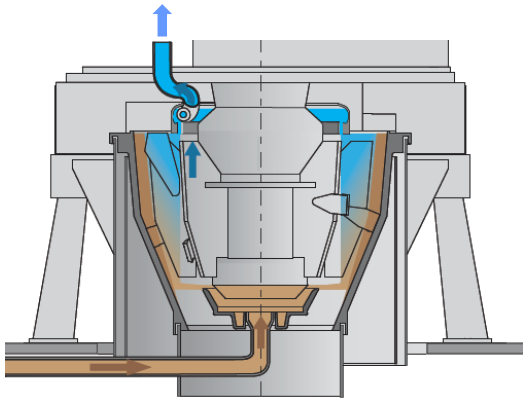
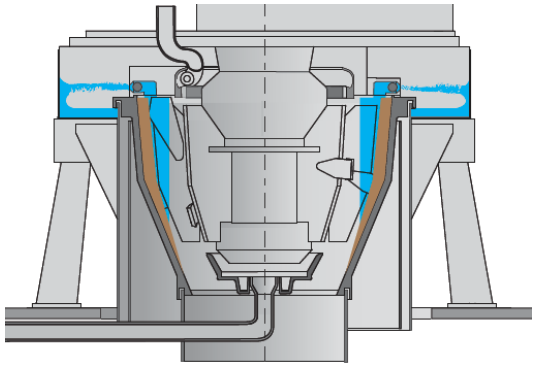
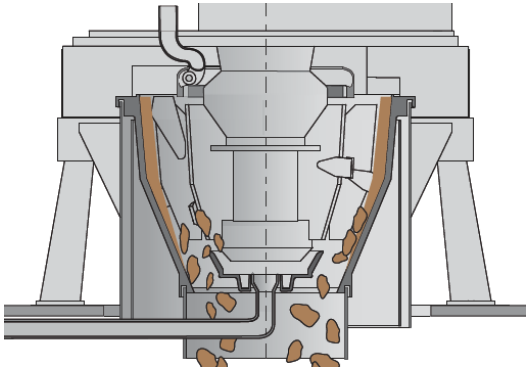
Centrifugal Liquid Recycling







Working principle:

1. Separation

→ Liquid enters, is accelerated and centrifuged towards the outer drum

→ On their way upwards, the particles, being heavier then water, settle on the rotor wall

→ The purified water is picked up by the evacuation nozzle and flows out at 0.5 bars

2. Drying

→ Rotor coasts

→ At 1.000 rpm the centrifugal valves open, and the residual water is ejected

→ Sludge is dried

3. Sludge discharge

→ At standstill the magnetic clutch connects the gear drive with the rotor shaft

→ The hub with its scrapers turns anti-clockwise while the drum is blocked by the freewheel

→ Sludge is scraped-off and falls down into bin

→ *click for video animation (YouTube) on our Website*

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Centrifugal Separator A-25

- Automatic sludge emptying
- Drive power: 11 / 15 kW
- Rotor volume: 40 l
- max. flow rate: 250 l/min
- G-Force: 1.950 x g
- Separation: >2 µm
- Sludge capacity: 40 kg / h

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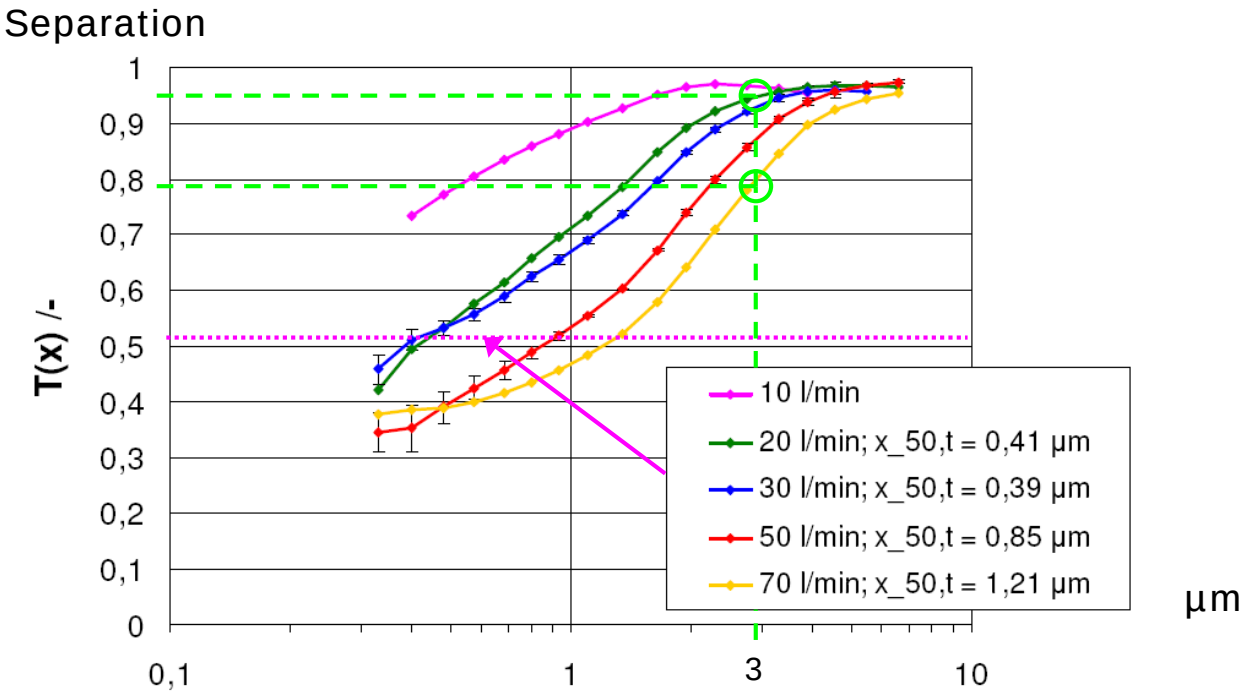
Separation Efficiency



- - - - - - - - at 70 l/min: 80% of all particles > 3 µm
at 20 l/min: 95% of all particles > 3 µm

*): measured with quartz powder SF800 (x50 = 2,06 µm) in water w/o additives

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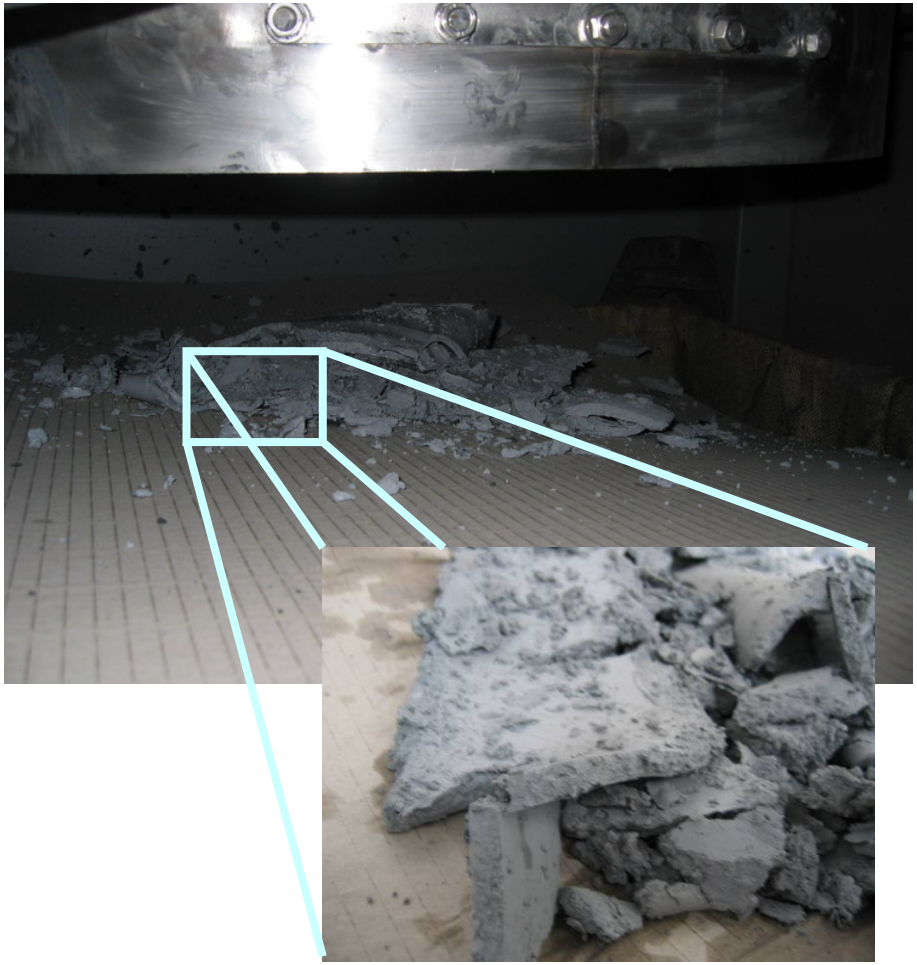

Separated sludge