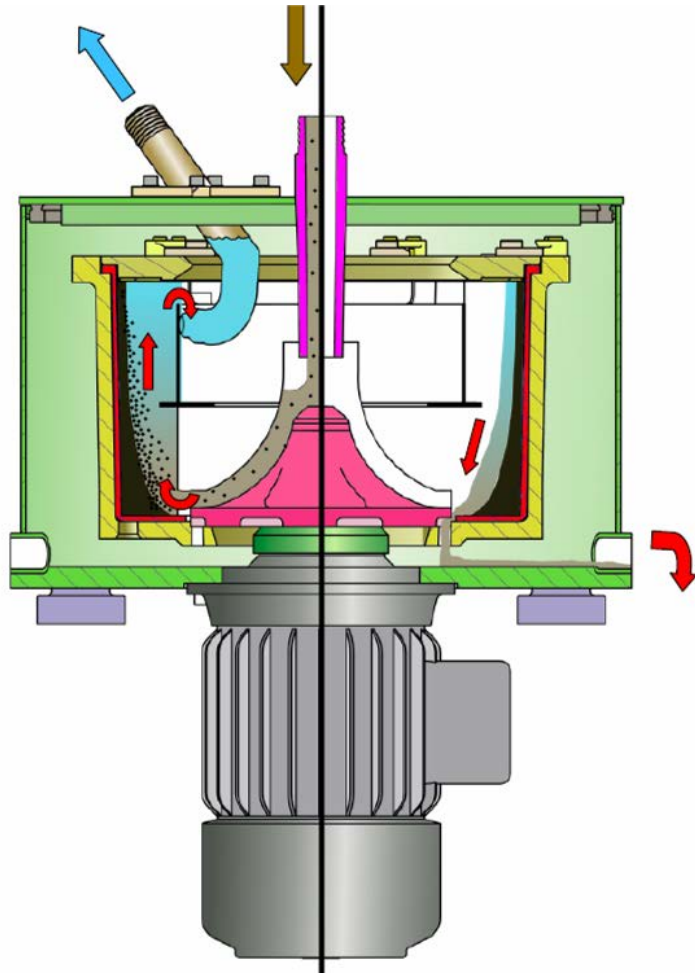




U-15

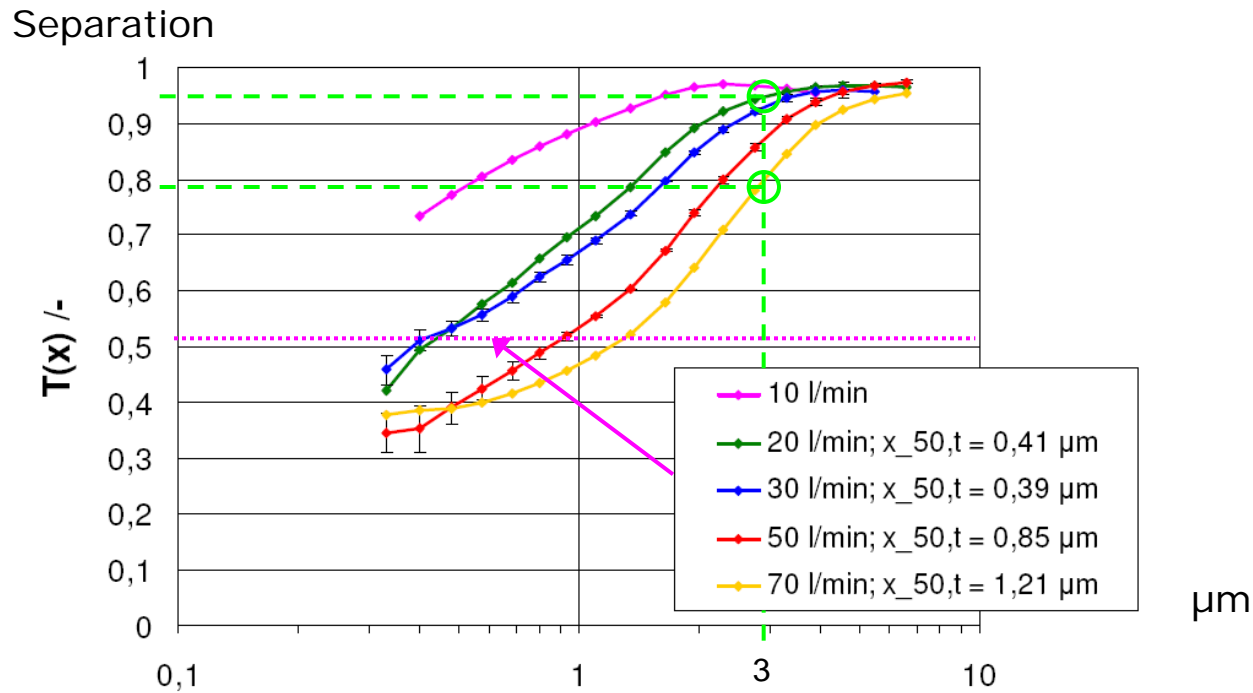
- Motor Power: 4 kW
- Rotor volume: 15 l
- Max. flow rate: 120 l/min
- Acceleration: 1.950 x g
- Separation capacity: >2 µm
- Sludge capacity: 12 kg
- 3-phase separation (liquid-liquid-solid) optional



Separator working principle:

- Dirt water is accelerated before entering the rotor → optimises separation degree
- On their way upwards, the particles being heavier than water, settle on the rotor wall
- The purified liquid is picked up by the evacuation nozzle and flows out under pressure 0,5 bar
- At stop the residual water drains out
- Sludge emptying

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 ($x_{50} = 2,06 \mu\text{m}$) in water w/o additives

Separator U-15 sludge emptying:

- Open housing cover
 - Loosen rotor cover locking
 - Take out rotor cover
 - Take out filled sludge basket
 - Insert clean sludge basket
 - Remount in reverse order
- Procedure takes less than 3 minutes



Separated solids



Phosphating



Alkaline de-greasing



Coolant (AlSiMg machining)



Tool Grinding (tungsten carbide)



U-15 installation examples