



CakeFil™

Candle filter for precoat or cake building filtration.

The patented LENZING CakeFil system is a fully automatic precoat and cake building filtration system: pressure as driving force makes the filtration of very fine particles possible. The solid material serves either as recyclable material or as waste. It is discharged pumpable as slurry or, after a previous cake washing and cake drying step, as “dry to the touch”.

The special design of the filter candles ensures an efficient cake discharge as well as an efficient rinsing of the filter material pores.

Filtration's finest

Advantages precoat filtration

- > Filtration down to submicron range
- > Suitable for solids tending to clog
- > Dry or slurry discharge

Advantages cake filtration

- > Filter fineness down to 1 µm
- > Solid contents of up to 10% possible
- > Very efficient cake discharge

Fluids

- > Petrochemical products
- > Acids, alkalis, solvents, chemicals
- > Process water
- > Sugar solutions
- > Brine
- > Catalyst recovery

Filter aids



Kieselguhr



Activated carbon

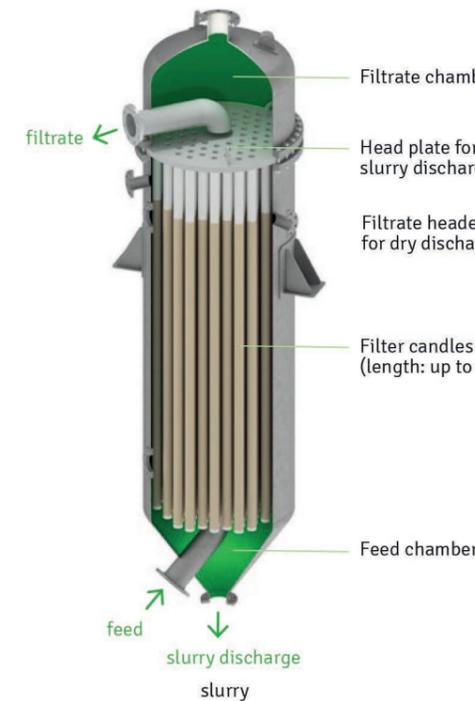


Cellulose

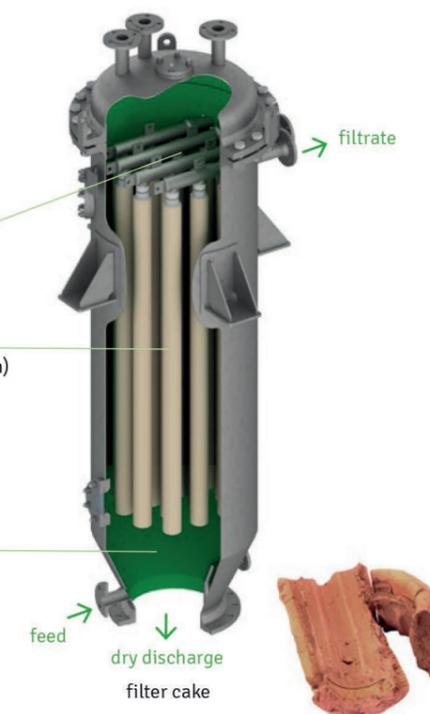


Perlite

SLURRY DISCHARGE



DRY DISCHARGE



The CakeFil effect:

Continuous. Maintenance-free. Long-lasting.

→ start → filtration → backwash →



Patented candle design for unrivalled backwash efficiency



Filtration from outside to the inside



Backwash/cake discharge from inside to the outside



CakeFil in stainless steel design