Fundabac®
Tubular Pressure Filters

Espen Lien
HAAKON LARSEN AS
**FUNDABAC® Filter Features**

- Register Pipes
- Filter Element with media
- Heel Drain with internal dip tube
- Solids Discharge
- Filtrate Outlets (3 groups shown)
- Pressure Vessel with Cone Bottom
- Feed Inlet

*Image of a filter system with labeled features.*
The Unique Filter Element (patented)

Filtration
• liquid flows from outside to inside
• solids form cake on filter media
• filtrate exits through central dip tube

Cake Discharge by reverse back pulse
• media expands rapidly
• cake cracks and falls down
• filter element is cleaned
The Unique Filter Element (patented)

Cake formation & Cake Discharge

Filter cake

Filter cloth
FUNDABAC® Process connections

- Gas for draining and drying
- Gas for blow-back
- Filtrate
- Feed
- Inlet
- Heel drain
- Solids Discharge
FUNDABAC® Operating Steps

1. Filling
2. Cloth Cleaning
3. Prefiltration
4. Filtration
5. Heel Filtration
6. Cake Wash
7. Drying
8. Discharge
Cake Washing Options

Displacement Washing

Spray Washing

Advantages:
- lower liquid consumption
- no wash buffer tank required
- no dilution of wash liquid
- shorter cycle time
Cake Dewatering with Gas

- Pressurized gas flows through cake
- Wet gas goes to filtrate receiver or scrubber
- Cake cracking can limit final dryness
**Cake Discharge Options**

**Dry discharge** with reverse gas flow:
Blow back register-wise for 5 seconds each

**Slurry Discharge** with pressurized liquid:
Blow back register-wise for 5 seconds each
## Contact Us

**DrM**

www.DrM.ch

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