

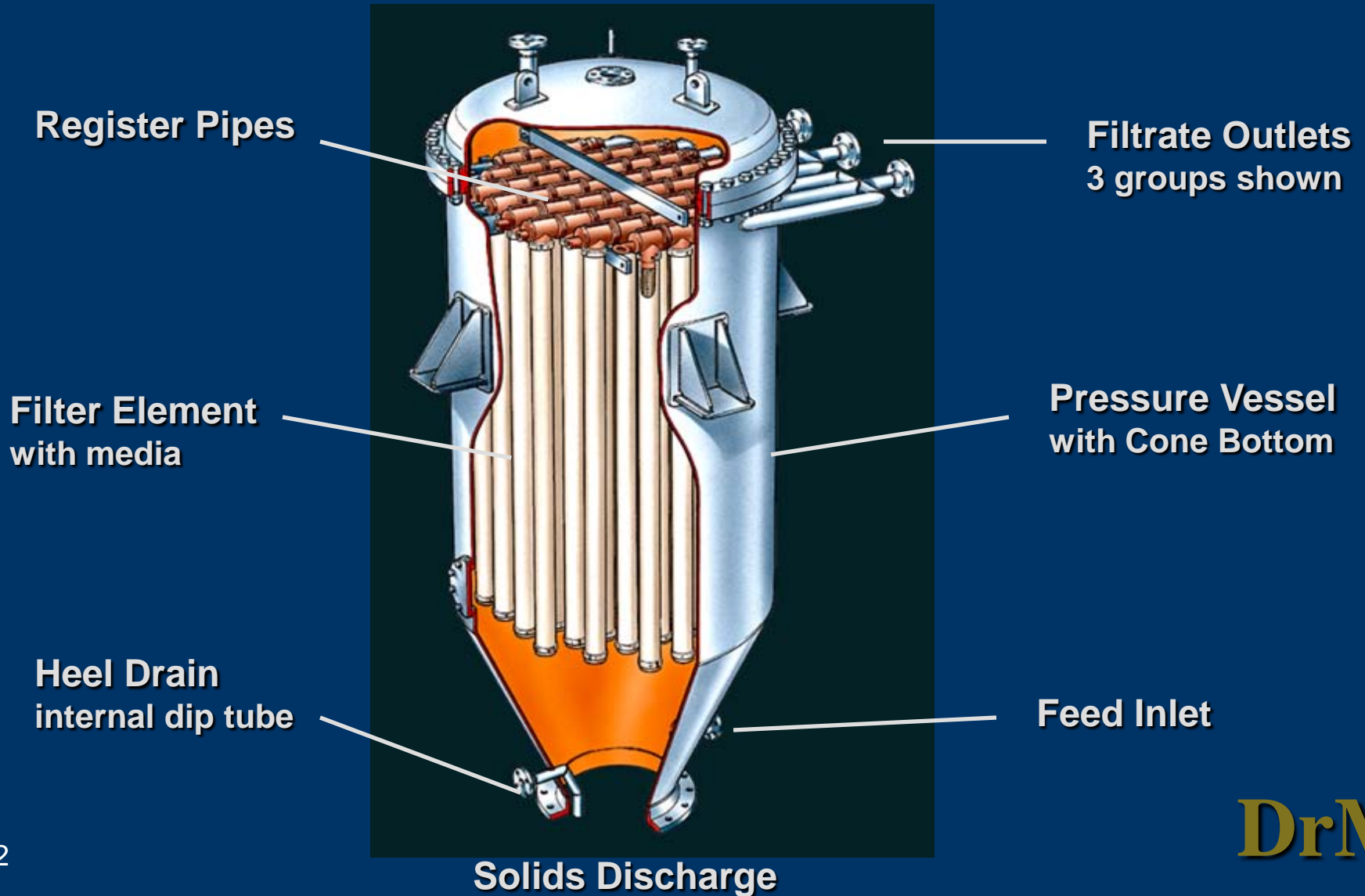
Fundabac®

Tubular Pressure Filters

Espen Lien

HAAKON LARSEN AS

FUNDABAC[®] Filter Features



The Unique Filter Element (patented)

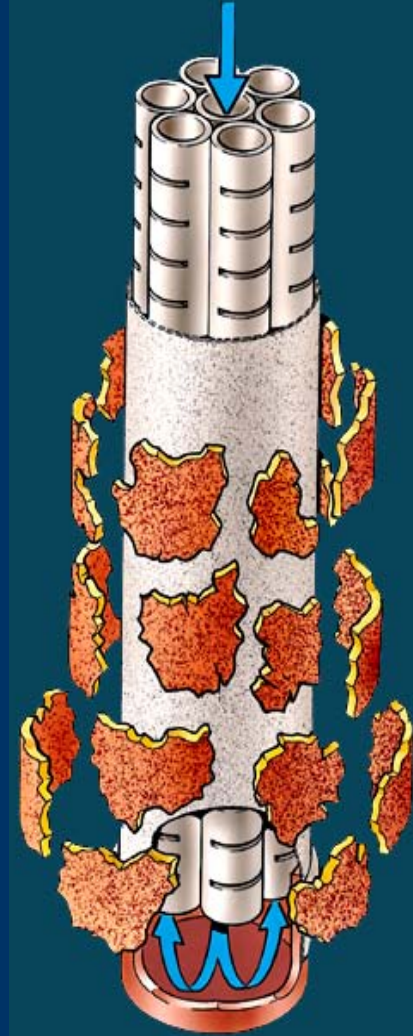


Filtration

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

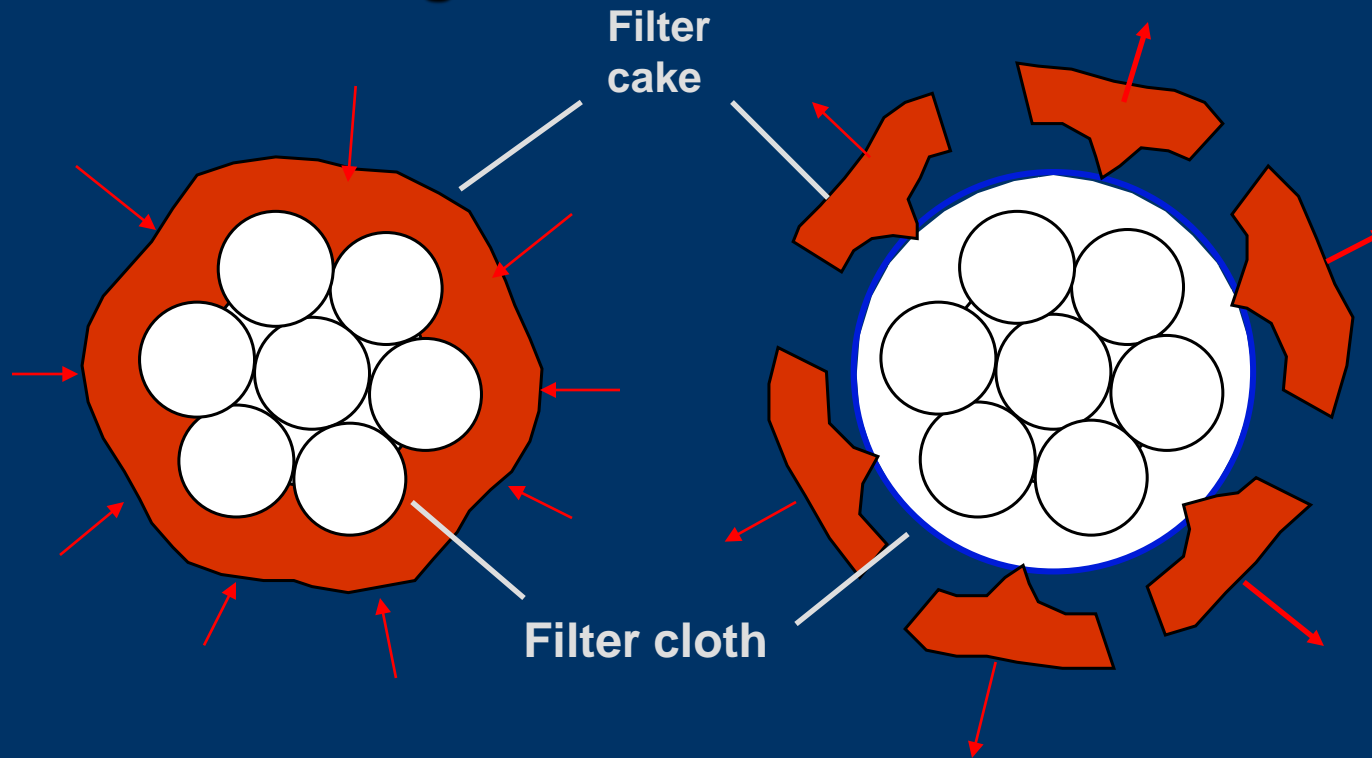
Cake Discharge by reverse back pulse

- media expands rapidly
- cake cracks and falls down
- filter element is cleaned



The Unique Filter Element (patented)

Cake formation & Cake Discharge



FUNDABAC[®] Process connections

Gas for draining and drying

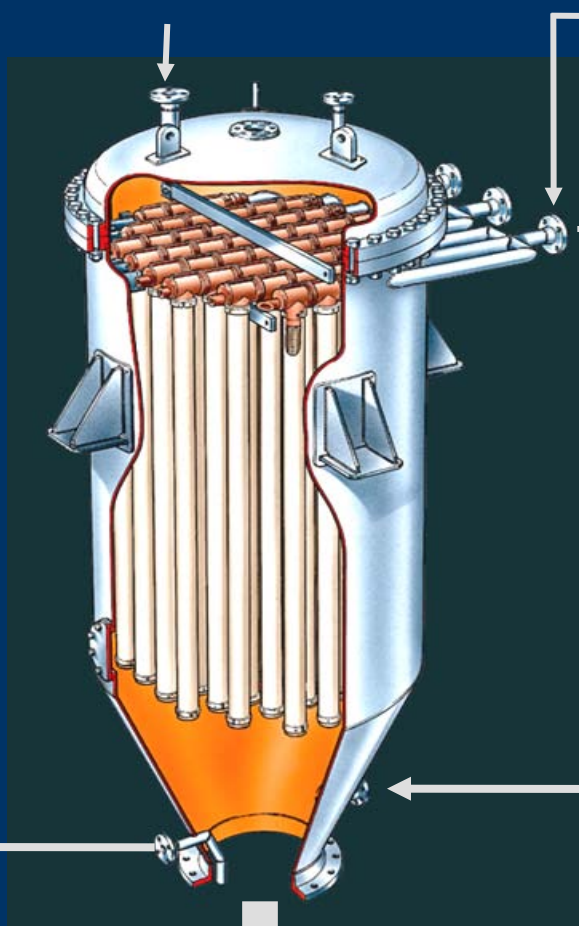
Gas for blow-back

Filtrate

Feed Inlet

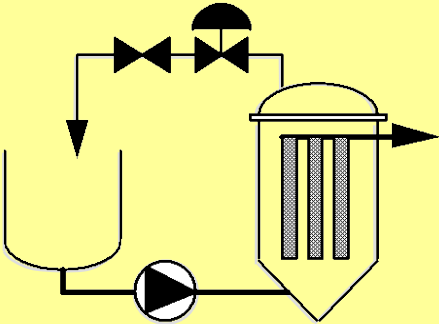
Heel drain

Solids Discharge

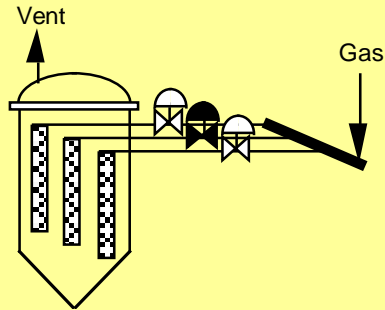


FUNDABAC[®] Operating Steps

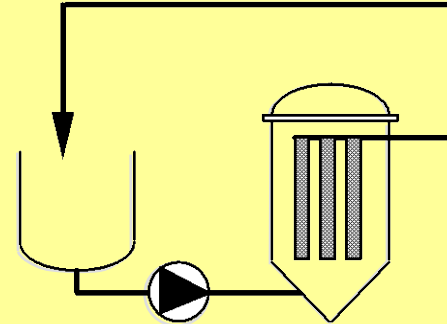
1. Filling



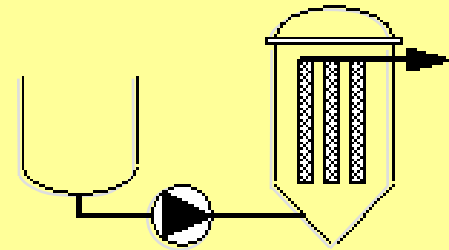
2. Cloth Cleaning



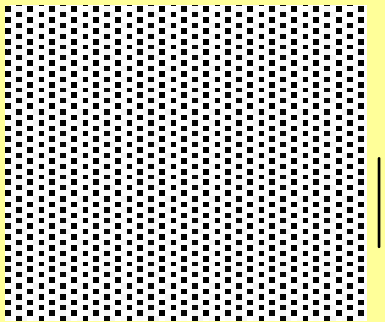
3. Prefiltration



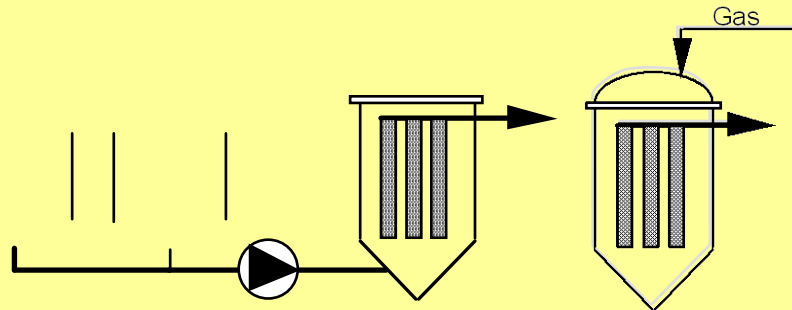
4. Filtration



5. Heel Filtration

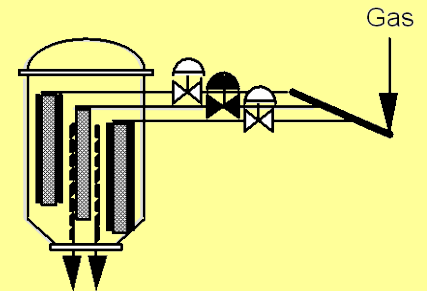


6. Cake Wash



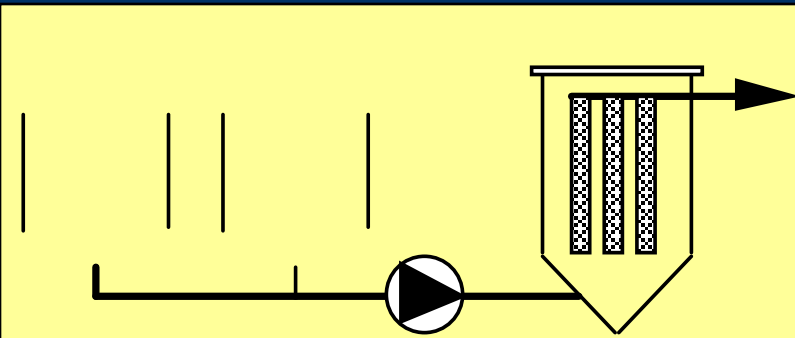
7. Drying

8. Discharge

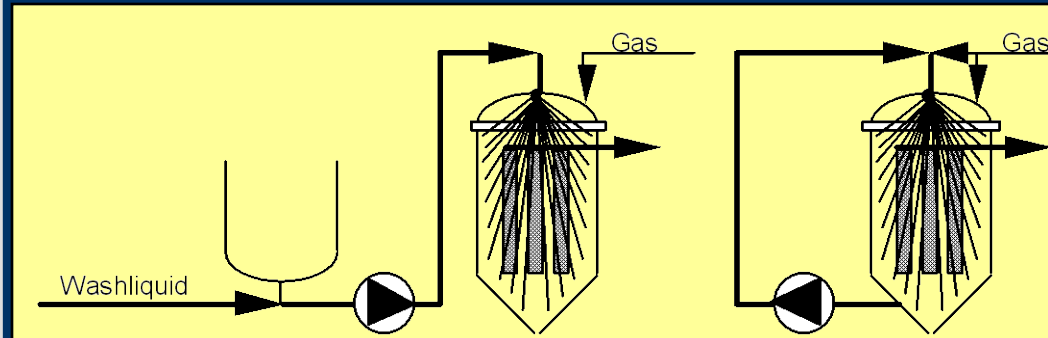


Cake Washing Options

Displacement Washing



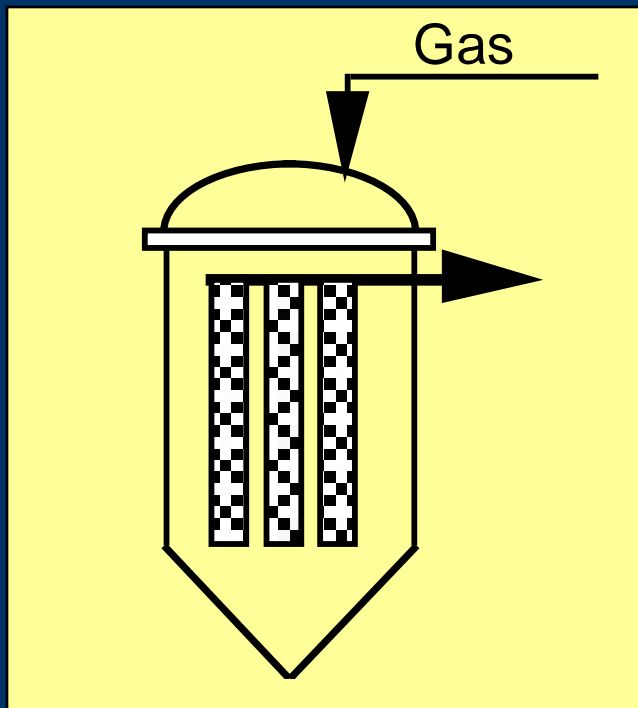
Spray Washing



Advantages:

- ↳ lower liquid consumption
- ↳ no wash buffer tank required
- ↳ no dilution of wash liquid
- ↳ shorter cycle time

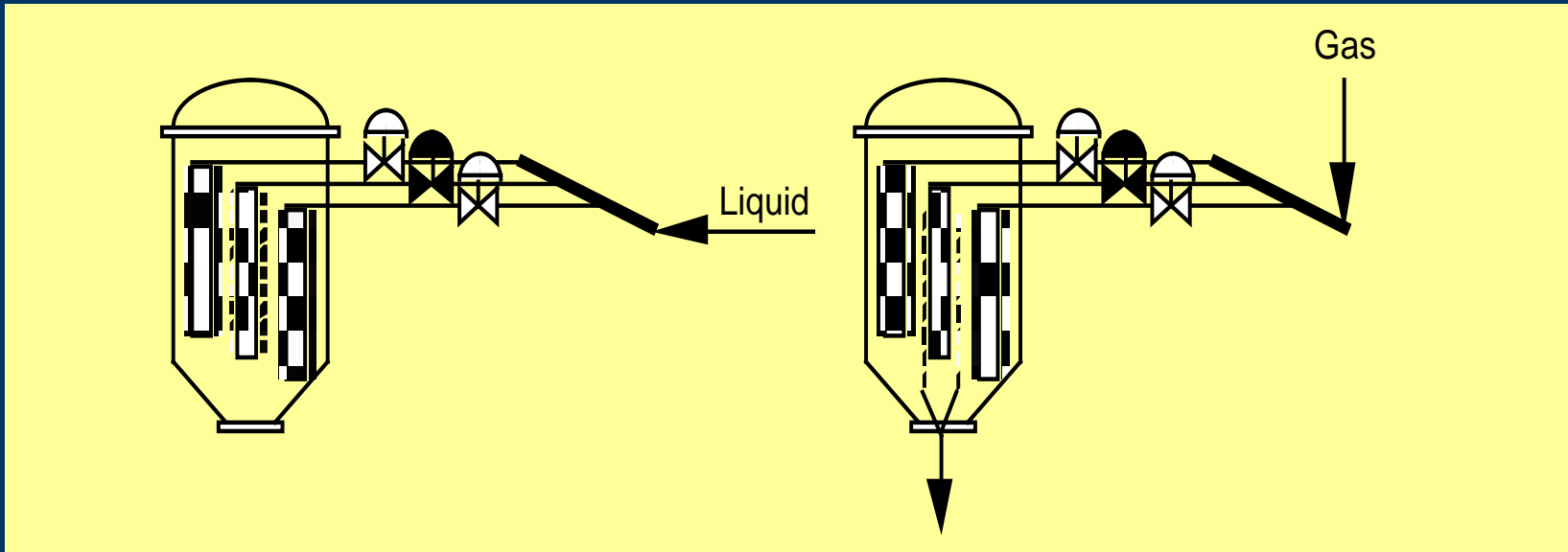
Cake Dewatering with Gas



- 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

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