



INVERTING FILTER CENTRIFUGE HF

Horizontal Inverting Filter Centrifuge

Highlights

Gentle and residual heel free solids discharge

Thin layer filtration with cake thickness < 3mm

residual moisture reduction of up to 70% (in comparison to conventional filtration) by pressure added centrifugation

Highly efficient cleaning through large plain surfaces and minimizing of equipment in process area.

Regeneration of blinded cloth via flooding in closed system possible

Adaptive process control via continuous weight measurement



PHARMA



CHEMICAL



FOOD



COSMETICS



ENERGY



working for future *technology*



Discharge with inverted filter cloth



Rotating feed pipe with PAC seal



Thin layer filter cake



Residual heel free discharge

The inversion of the rotating filter cloth during discharge spins of the solids. The complete cake is discharged and the crystal structure remains unchanged. Even a discharge at 0 rpm is possible.

Thin layer filtration

Cake heights of > 3mm enables the filtration of very difficult filtering and compressible products.

Pressure added centrifugation

The rotating drum can be pressurised with up to 6 bar. The overlap of centrifugal and pressure force enables a significant reduction on residual moisture. Even drying inside the centrifuge is possible by using hot gas.

Regeneration of blinded cloth

By submerging the rotating and inverting filter cloth into the cleaning liquid the fine particles trapped in the fabric are washed out in opposite direction of filtration. This enables a complete regeneration of a blinded cloth.



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CENTRIFUGATION



HEINKEL Process Technology GmbH

Ferdinand-Porsche-Straße 8
74354 Besigheim
GERMANY

Tel +49 7143 9692-0
Fax +49 7143 9692-269
info@heinkel.de

www.heinkel.com