

Inverting Filter Centrifuge



The **Horizontal Centrifuge Series HF** offers a gentle product discharge.

The inverting filter leaves no residual heel, and therefore allows thin cake filtration.

As such, it is ideally suited for products that are challenging to filter.

Highlights

- Proven technology, originally developed by Heinkel
- Gentle and residual heel free solids discharge, without peeler
- Thin layer filtration with cake thickness < 3mm
- Residual moisture reduction of up to 70% by the PAC® technology unique to Heinkel
- 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

CENTRIFUGE TYPE	BASKET DIAMETER (MM)	FILTER AREA	NOMINAL VOLUME (L)	MAX. SPEED (1/MIN)	CENTRIFUGAL FORCE (X G)	HIGHT (MM)	WEIGHT (KG)
HF 300.1	300	0.1	6.5	3,000	1,500	1,100	1,400
HF 450.1	450	0.31	26	2,300	1,320	1,720	3,250
HF 600.1	600	0.41	52	1,940	1,260	1,720	3,500
HF 800.1	800	0.85	120	1,600	1,140	2,250	6,200
HF 1000.1	1,000	1.26	200	1,270	900	2,600	8,900
HF 1300.1	1,300	2.04	350	1,000	720	3,300	10,700

Robust technology for efficient separation, specially designed for fragile or hard-to-filter products.

The inverting filter centrifuge by Heinkel offers high performance filtration, resulting in low-moisture content.



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 off 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.

Up to 70% less moisture

The unique Pressure added centrifugation option (PAC®) pressurizes the cake in the rotating drum with up to 6 bar. The combination of centrifugal and pressure force enables a significant reduction on residual moisture, up to 70% less compared to conventional filtration. 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.

