

# Product Overview



## Centrifuges & Systems



## Vertical Basket Centrifuges

V 300 – 500 TP

0.14–0.50 m<sup>2</sup> filter area  
3.9–31.5 L nominal volume

### Key benefits:

- mobile, compact design
- easy “plug and use” installation
- ideal for scaling-up
- very simple handling
- CIP cleaning
- can be installed in separator housing/glove box



## Horizontal Peeler Centrifuges

H 300 – 500 P

0.12–0.39 m<sup>2</sup> filter area  
4.9–20 L nominal volume

### Key benefits:

- compact design
- easy “plug and use” installation
- cGMP compliant
- fully automated operation
- ideal for scaling-up



## Top Discharge Centrifuges

V 630 – 1250 TP

0.80–3.14 m<sup>2</sup> filter area  
51–400 L nominal volume

### Key benefits:

- flexible adaptation for moderately well filtering products
- manual discharge of filter cake
- gentle discharge, no particle damage
- automated CIP cleaning
- easy access to all product contact parts



## Vertical Peeler Centrifuges

V 800 – 1250 BP

1.58–3.14 m<sup>2</sup> filter area  
100–400 L nominal volume

### Key benefits:

- small foot print
- cGMP compliant
- process housing opens and closes automatically
- automated product discharge
- automated CIP cleaning
- easy access to all product contact parts



## Horizontal Peeler Centrifuges

H 630 – 1250 P

0.62–3.14 m<sup>2</sup> filter area  
42–400 L nominal volume

### Key benefits:

- wide range of applications
- meets highest cGMP standards
- fully automated and validated CIP cleaning
- all process parts accessible for inspection
- cleanroom design



## Inverting Filter Centrifuges

FI – F4  
HF 300.I – 1300.I

0.10–2.00 m<sup>2</sup> filter area  
10–1500 kg/h capacity

### Key benefits:

- for moderately well filtering products
- complete discharge
- safe discharge
- additional pressure for maximum dewatering
- centrifuge can be used for drying
- small foot print
- very simple through-the-wall installation



## Vertical Basket Centrifuges

V 300 – 500 TC

0.14–0.50 m<sup>2</sup> filter area  
3.9–31.5 L nominal volume

### Key benefits:

- mobile, compact design
- easy “plug and use” installation
- ideal for scaling-up
- double jacket for heating and cooling
- baskets for basic filtering, sedimentation, classifying and clearing tests



## Horizontal Peeler Centrifuges

H 300 – 500 PC

0.12–0.39 m<sup>2</sup> filter area  
4.9–20 L nominal volume

### Key benefits:

- very compact design
- choice of tabletop or portable design
- easy “plug and use” installation
- ideal for scaling-up
- fully automated operation



## Vertical Peeler Centrifuges

V 800 – 1800 BC

1.58–7.07 m<sup>2</sup> filter area  
100–1350 L nominal volume

### Key benefits:

- excellent adaptability to changing products
- high throughputs
- separation by filtration or sedimentation
- better cake discharge due to gravity assist
- cartridge bearing and small foot print



## Horizontal Peeler Centrifuges

H 630 – 1800 C

1.58–7.07 m<sup>2</sup> filter area  
63–1300 L nominal volume

### Key benefits:

- wide range of applications
- high batch frequency
- high washing and extraction performance
- low residual moisture levels due to high G-force
- discharge through chute or screw-conveyor
- can be used with perforated basket or back-flushing basket



## Vertical Top Discharge Centrifuges

V 500 – 1250 TC

0.50–3.14 m<sup>2</sup> filter area  
31.5–400 L nominal volume

### Key benefits:

- flexible adaptation for difficult to filter products
- complete discharge of filter cake
- gentle discharge, no particle damage
- high washing and extraction performance
- easy to assemble
- effective system for removal of filter bag
- robust and easy system for removable border ring



## Vertical Peeler Centrifuges

V 800 – 1800 BG

1.58–7.07 m<sup>2</sup> filter area  
100–1350 L nominal volume

### Key benefits:

- optimized application for small through large throughputs
- minimal residual moisture
- maximum reduction of chloride concentrations through optimized wash process
- available in stainless steel or rubber coated

# Special Applications



## Sterile Top Discharge Sedimentation Centrifuges

V 630 – 1000 TS

1.10–1.60 m<sup>2</sup> sedimentation area  
100–250 L nominal volume

### Key benefits:

- meets highest cGMP standards
- fully automated and validated CIP cleaning
- high G-force
- cleanroom installation



## Classifying Centrifuges

630 BK II/III

0.78–0.99 m<sup>2</sup> sedimentation area  
3.75–38 L nominal volume  
– Titanium Dioxide production

### Key benefits:

- precise separation cut
- easy adjustment of separation cut
- high throughputs
- recycling of coarse particles
- simple to install
- low maintenance, maintenance-friendly design
- TiO<sub>2</sub> production, Al<sub>2</sub>O<sub>3</sub>, SiC, CaCO<sub>3</sub>, etc.



## Vertical Dip Coating Centrifuges

V 425 TT

0.20 m<sup>2</sup> filter area  
20 L nominal volume

### Key benefits:

- economical coating of small parts with oil, lacquer, adhesive coatings etc.
- optimized spinning off of excess coating material
- simple to install



## Vertical Multi-purpose Centrifuges

V 300 – 700 TM

0.06–0.66 m<sup>2</sup> filter area  
10–150 L nominal volume

### Key benefits:

- economical solution for recovering liquids and oils
- easy “plug and use” installation
- simple, robust design



## Vertical Pusher Centrifuges

V 600 – 1100 P

0.4–10 long ton/h capacity

### Key benefits:

- recovery of liquids and oils from chips produced by processing centers and from plastic pellets
- simple, robust design



## Ball Segment Valve

BSV 150 – BSV 400

DN 150–400 nominal diameter

### Key benefits:

- cGMP and FDA compliant design
- inflatable seal with large seal area; seal available in various materials
- complete, unobstructed discharge
- cavity-free aseptic design
- automated, verifiable CIP cleaning



## Rebuilt Machines

### Key benefits:

- international procurement
- machines from all manufacturers, assembled to suit customer requirements
- constantly changing range
- fast availability
- warranty as for a new machine
- attractive prices



## Conversions/ Retrofits

### Key benefits:

- full mechanical overhaul
- electronic assembly upgrades
- current explosion protection regulations taken into account
- updated documentation



## Drive Systems/ Controls

### Key benefits:

- safety checked
- modular and flexible
- standalone, or can be integrated into any DCS
- GAMP, ATEX, 21 CFR Part II, EN 12547
- remote maintenance and systems analysis
- premium component suppliers
- overall development in-house at HEINKEL

## After Sales Services:

- Technical support
- Online support
- Installation and commissioning
- Preventative maintenance
- Maintenance contracts
- Spare parts logistics
- Overhauls and upgrades
- Consulting
- Training
- Rental machines
- Pilot units

## HEINKEL Drying and Separation Group products are used to manufacture the following products:

- Agricultural chemicals
- API (active pharmaceutical ingredients)
- Aromatic substances
- Biocides
- Cellulose derivatives
- Fragrant substances
- Precious metals
- Effective pigments
- Electrochemical
- Color pigments
- Fine chemicals
- Herbicides
- Catalysts
- Corrosion inhibitors
- Cosmetics
- Food additives and food substances
- Metallic powder
- Nitrocellulose
- Brighteners
- Pesticides
- Plant extractives
- Pharmaceutical substances
- Preliminary pharmaceutical substances
- Intermediate pharmaceutical products
- Photographic chemicals
- Specialty polymers
- Vitamins



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