



# High-performance centrifuge with a double benefit: classifying or decanting with TIOCENT

The classifying centrifuge TIOCENT is designed for the industrial classification of fine and ultra-fine particles up to nano-particles in the chemical and fine chemical as well as in the pharmaceutical, cosmetic and food industries. Suitable both for wet classification and for decanting, TIOCENT delivers exact results in the separation of fine and ultra-fine particles from suspensions in the size range 1 to 5  $\mu\text{m}$ .

## Efficient, reliable and precise into the nanoscale

When wet classification is required, the classifying centrifuge exactly separates fine from coarse particles batch-wise and according to the defined cut. The particles to be separated can flow out of the basket due to relatively low radial force. When decanting, the suspension is constantly fed at high rotational speed via a cone that is spinning at the same speed as the basket. The product leaves the cone into the sedimentation basket. Centrifugal force drives the suspension up the basket wall meanwhile the solids settle and separate from the liquid which overflows at the top of the basket.

### Standard specifications

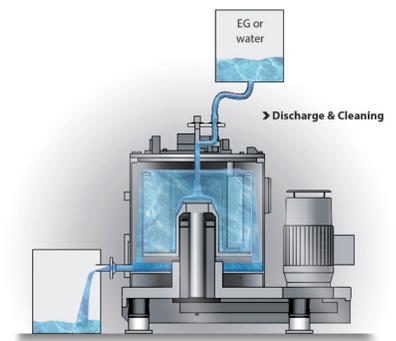
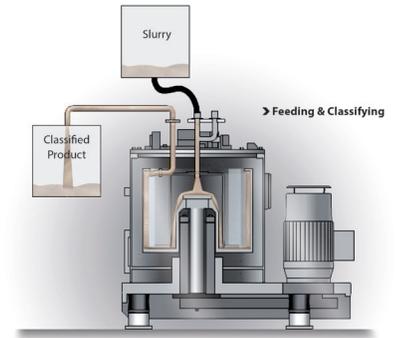
- > 0.79 – 1.00 m<sup>2</sup> sedimentation area
- > 30 – 37 l nominal volume
- > up to 3.170 g factor

### Process applications

Synthetic fibers, coatings, metal pigments, pharmaceuticals, cosmetics, food

### Technical data

Centrifuge type	Length mm	Width mm	Height mm	Weight kg	Basket dia mm	Basket height mm	Filter area m <sup>2</sup>	Nominal volume in l	Filling weight max. kg	Speed max. 1/min	Spinning speed x g
V 630 BK	1.370	1.250	1.350	2.000	630	500	1,0	37	77	3.000	3.170



FILTRATION



CENTRIFUGATION



MIXING



DRYING



## HEINKEL Drying and Separation Group

The HEINKEL Drying and Separation Group combines more than 130 years of experience, reliability and innovative power of internationally operating companies in filtration, centrifugation, mixing and drying technology.

Our **COMBER**, **BOLZ-SUMMIX**, **HEINKEL** and **JONGIA** brands have an excellent reputation all over the world.

The group offers one of the most extensive product portfolios for the pharmaceutical, fine chemical, chemical and food industries. Your quality and reliability.

We develop and produce top-quality components and full systems for separating solids from liquids and offer comprehensive after sales service.

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