



TIOCENT V 630 BK

Classifying Centrifuge

Highlights

- › Simple installation thanks to extensive pre-installed hoses and wiring
- › Low maintenance requirements, maintenance-friendly design
- › Precise cut, easy to set
- › High throughput rates
- › Top-quality suspension with even distribution of ultra-fine particles
- › Fully automated system with low vibration and high reliability
- › Recycling of coarse particles



PHARMA



CHEMICAL



FOOD



COSMETICS



working for future *technology*



Ceramic knives



Drum segments



Installations product contacted

Top-quality suspension with even distribution of ultra-fine particles

Its unique design of drum segments in combination with the specially formed skimming pipe and the high g-forces with a classifying cut of $< 1 \mu\text{m}$. The high centrifugal force will push the large particles to the drum shell, while the smaller particles will remain in the liquid and float upwards through the specifically designed separation rings of the drum. No mixture of almost classified particles with the slurry.

Precise cut, easy to set

The skimming pipe skims of the smaller particles floating on top. The dip depth of the pipe specifies the classifying cut and can be adjusted very precisely.

Recycling of coarse particles

The large particles will build up a cake at wall. When this cake reaches a certain height the cake is discharged by re-slurring the cake at low speed by introducing process liquid (water / ethanol etc.) using an electrically driven whirling peeler. The peeler speed can be adjusted very accurately to optimise the discharge of the cake and minimize the wear of the ceramic knives. The exchange of the knives can be done very quickly.

Low maintenance requirements, maintenance-friendly design

Easy installation of the system by extensive pre-assembled piping and wiring of the centrifuge and it can be easily integrated into a superordinated process control system. Very low wear parts (only ceramic peeler knives) therefore low maintenance costs.



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CENTRIFUGATION



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