

SULTRADE

Centrifuge – Dryer CDR

Applications

Centrifuge - Dryer type CDR is made according to GMP conditions as multi-purpose machine for centrifuging (product separation from slurry) and vacuum drying of product in one working space. Used in **PHARMACEUTICAL** industry.

Design

Various material such as Stainless steel 1.4404, 1.4571 or other, Duplex 1.4462 or Hastelloy 2.4602.

Surface grinding usually below $Ra < 0,8 \mu m$, can be polished to $Ra < 0,2 \mu m$

Automatically Vacuum discharging to product tank

Saving cost of investments and validation, saving expenses of operation and maintenance

ATEX and GMP compliance

Cleaning of centrifuge dryer can be made with:

CIP ball nozzles for cascade cleaning

Flooding of centrifuge dryer with cleaning liquid

Half process time (Centrifuge + Drying) in compare with classic centrifuge and vacuum tray dryer.



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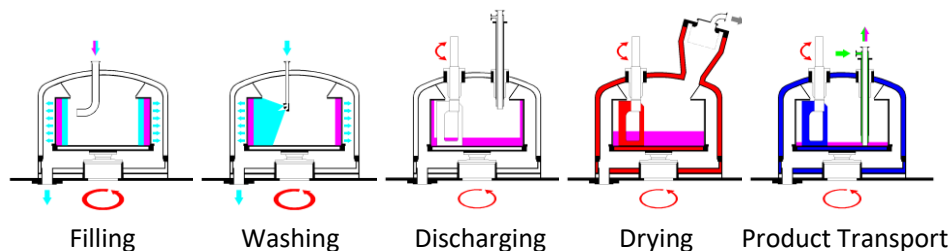
Advantages

Suitable for sticky products. We can avoid temperature degradation of product during drying, we can avoid lump formation.

Centrifuge dryer is suitable for centrifuging and drying of product at one place.

Each step is without any contact with persons or environment, no contamination, no degradation, suitable for irritable or dangerous products.

Pilot CDR 500/250 is fully mobile, we can test your product at your facility (fully ATEX).



Model	CDR 500/250	CDR 1000/500
Basket diameter (mm)	500	1000
Basket height (mm)	250	500
Opening Diameter of Basket (mm)	350	700
Filtration area (m2)	0,393	1,571
Heated surface of the basket (m2)	0,196	0,785
Active basket volume (m3)	0,025	0,2
Maximum basket filling (kg)	30	240
Effective mass of Product in basket	10,5	84
Maximum basket speed (rpm)	1900	950
Maximum gravity factor (xg)	1009	504
Min. temperature in product space (°C)	-15	-15
Max. temperature in product space (°C)	95	95
Min. pressure in product space (Mpa)	-0,1	-0,1
Max. pressure in product space (Mpa)	0,05	0,05
Weight of empty centrifuge dryer	900	5500