

## 1 Chemical Peeler Centrifuge

This kind of peeler operates on the principle of centrifugal force to separate the solids from the liquids. This is Horizontal type are used for batch and continues centrifuge processes. The chemical version of the horizontal peeler centrifuges is used for separating medium to large quantities of product that can be washed and then spin-dried.

These machines are fitted with a highly polished discharge chute with zero dead ends to prevent solid accumulation. The centrifuge finds wide usage in the APIs, Chemical, pharmaceutical intermediates, antibiotics, Petro-chemical and many more industries.

### Material of Construction: -

- This kind of CF is available in Carbon Steel, Stainless Steel, Hastelloy etc MOC.
- Also, Fluoropolymer Coatings like Halar (ECTFE), PVDF, ETFE, Teflon (PFA), Rubber Lined etc. can be done on contact surface
- Coating can be provided on the contact parts as well as on the exterior body (non-contact surface) for prevention from spillage and corrosive atmosphere.



### Advantages: -

1. Robust & reliable design for high throughput & continuous operation.
2. Excellent design feature as per "cGMP" norms.
3. It can be used in Clean Room Area.
4. Lower residual cake moisture due to highest centrifugal forces
5. horizontal peeler centrifuge provides higher centrifugal forces than vertical peeler, and increases performances and flexibility.
6. Due to continuous discharge of filtered liquid through perforated inner surface of rotating basket, the pressure drop, main driving force of filtration is increased across the solid cake and filter medium, as a result, the filtration rate can be boosted

### Technical Details of Chemical Peeler Type Centrifuge

Specification	Basket Diameter	Basket Depth	Working Capacity under lip	Basket load (Max) @ Bulk density 1 gm/cc	Basket Revolution	G Force	Filtration Area	Motor Power	Length	Width	Height	Empty Weight
Unit	MM.	MM.	LTS.	KGS.	RPM.	G.	SQ.MTS	HP	MM	MM	MM	Kg
Model												
AE CP 630	630	320	42	42	2400	2021.2	0.633	15	2000	1200	1450	2500
AE CP 800	800	400	80	100	1900	1600	1.01	25-30	2540	1400	1950	4000
AE CP 1000	1000	500	170	170	1500	1253.3	1.57	40	2540	1450	1440	7000
AE CP 1250	1250	630	320	400	1200	1002	2.55	50	3370	2000	2550	10000
AE CP 1600	1600	800-1000	688-860	688-860	950	721.9	4.02-5.03	75-100	3700	2800	2900	23650