

Bottom Discharge

'ANKAR' Bottom Discharge CENTRIFUGES are of the most modern design, of sturdy construction, provide rapid acceleration, with low current consumption and powerful efficient braking.



The 4-point Suspension:

Introducing the latest Fully Automatic Four Point Suspension Bottom Discharge Centrifuge Machine made to International specification with inertia platform and vibration isolating dampers to ensure smooth operation with following advantages:

- No Foundation Required.
- Complete Flexibility to relocate the Centrifuge in the Plant.
- Drive system (Belt & Pulleys) Totally Enclosed and can be purged with N2 gas (Special Flameproof Design).

Basket:

Rolled Copper or stainless, mild or galvanized steel baskets are all-welded and amply drilled for speedy extraction. The Basket is made to suit the product. The dynamically balanced basket ensures vibrationless and silent working.

The Drive:

It is furnished by a totally enclosed motor controlled by infinitely variable AC inverter drive to vary basket speed with built-in dynamic braking system. The AC drive is incorporated with microcomputer and has facility to interface with Programmable Logic Controller (PLC) or Distributed Control System (DCS) for complete automation.

Scrapping Arrangement:

We offer three types of scrapping systems:

- Manually operated scrapper.
- Motorised single motion scrapping system.
- Hydraulic dual motion scrapping system.

Automation:

The centrifuge can be made fully automatic with the help of AC inverter Variable Speed Drive, Programmable Logic Controller (PLC) and Automated Valves.

Two Safety Devices:

The limit switch automatically cuts off the power supply to the motor and the INTERLOCK prevents opening of the basket cover, until quite safe.

Optional Accessories:

- Zero Speed Interlock
- Charge Regulator
- Vibration Tripper
- Nitrogen Purging Control System
- Cake Limiter.

Warranty:

One year's unconditional guarantee for fault-free material and workmanship.

Installation:

Our expert engineers will supervise erection of the centrifuge at customer's works, if required, at a reasonable service charge.

Price:

We shall be pleased to tender our quotation on receipt of your specific inquiry.

TECHNICAL DATA OF FOUR POINT SUSPENSION BOTTOM DISCHARGE CENTRIFUGES:

Model	Unit	ANKAR 36	ANKAR 36D	ANKAR 48	ANKAR 48D	ANKAR 60	ANKAR 60D
Basket Diameter	mm.	915	915	1220	1220	1524	1524
Basket Depth	mm.	450	600	500	650	500	750
Working Capacity under lip	Lts.	160	220	300	400	500	750
Basket Load (Max)	Kgs.	200	275	375	500	625	930
Max. Basket revolutions	rpm.	1100	1100	1000	1000	900	850
Centrifugal Force	G.	619	619	682	682	691	616
Filtration Area	m2	1.29	1.72	1.91	2.49	2.39	3.59
Motor Power	kW	7.5	7.5	15.0	18.5	18.5	22.0
Overall Dimention of Machine							
1 Length over Motor	mm.	1780	1780	2150	2150	2500	2500
1 Width	mm.	1220	1220	1600	1600	2000	2000
1 Operating Height	mm.	1500	1700	2325	2500	2250	2500
1 Weight of Machine with Motor	Kgs.	3000	3100	4500	4750	7000	7500

Note :

1. Values indicated are approximate and may vary on actual machines.
2. The centrifugal force relates to the basket diameter and maximum speed.
3. Basket load in Kgs. will vary based on bulk Density of the material.
4. We reserve the right to alter size, weight and design features.
5. Centrifuges available in other capacities also, on request.