



SUKHRAS MACHINES



BagLift Four Point Top Discharge Centrifuge

A WORD ABOUT US:

We are leading manufacturers of modern CENTRIFUGES in the country which are used for liquid –solid separation. We specialize in the manufacture of CENTRIFUGES for Industrial use and have a worldwide reputation as one of the leading specialist in this field. Since the establishment of our company in the year 1960, we have been manufacturing the finest, most reliable machines, always endeavouring to advance our technology. Our products incorporate the best possible quality and workmanship. We have supplied more than 4000 CENTRIFUGES in India and abroad.



A FEW POINTS OF INTEREST ON ‘ROTEX’ CENTRIFUGES:

‘ROTEX’ CENTRIFUGES are of the most modern design, of sturdy construction, provide rapid acceleration, with low current consumption and powerful efficient braking. These are standard Top Discharge Centrifuges, but we also manufacture Bottom Discharge Centrifuges and models tailored as per your specific requirements.

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 dampeners 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 Nitrogen 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 vibration less and silent working.

THE DRIVE:

Is furnished by a totally enclosed , high torque motor, through multiple vee belts. The motor which is mounted at the side of the machine, is easily accessible yet safe from drippings of corrosive chemicals.

THE CENTRIFUGAL CLUTCH/HYDRAULIC COUPLING:

Take care of over loading of the ample capacity motor , giving long, trouble free service.

AUTOMATION:

The CENTRIFUGE can be made fully automatic with the help of AC Inverter variable speed drive, programmable logic controller and automated valves.

TWO SAFETY DEVICES:

The limit switch automatically cuts off 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
- Vibration Monitoring System

WARRANTY:

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

INSTALLATION:

Our expert engineers will supervise erection of the CENTRIFUGE at your works, if required , at a reasonable service charge.

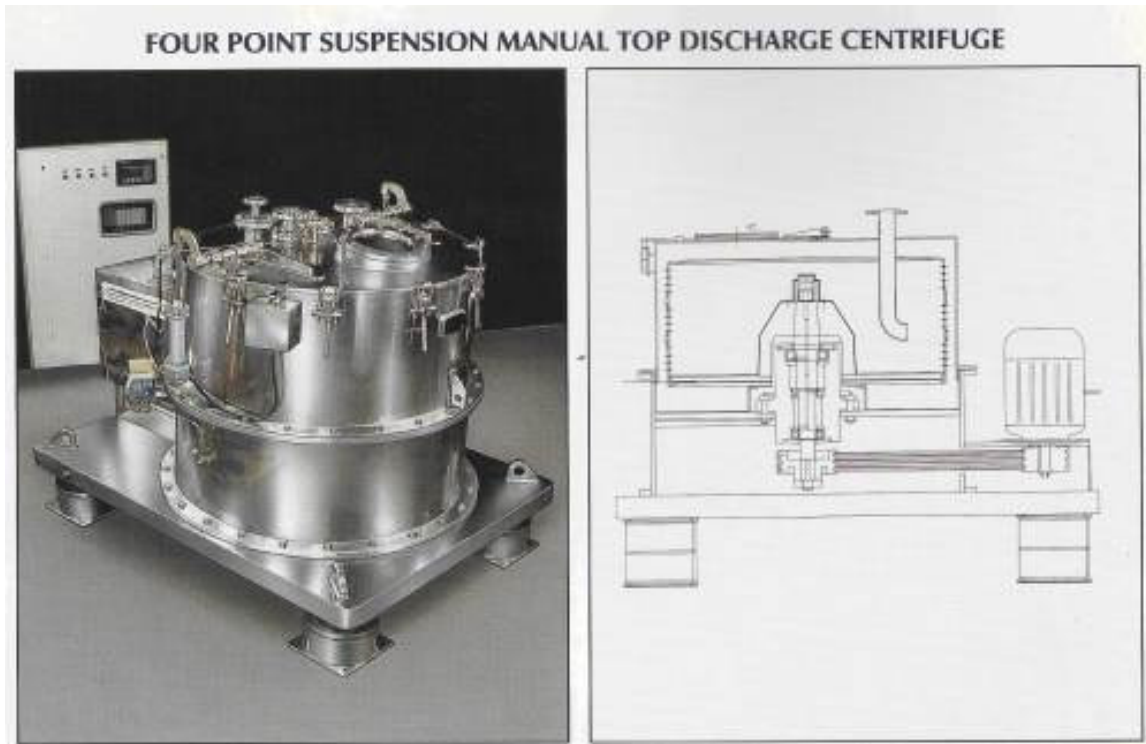
PRICE:

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

ADVANTAGES:

1. Easy and quick Cake discharge.
2. Less manual labour involved.
3. Cake handling loss negligible.
4. Most suitable for Hard Cake.
5. Scrapping of Cake not required.
6. Uniform distribution of slurry.
7. Uniform washing of cake.
8. No manual contact with cake.
9. Maximum use of basket.

10. Instant top discharge means the filter bag is lifted by lifting arrangement along with the top easy detachable ring and cake is discharged through the centre of the bag.



Technical Specifications for 4 point Manual Top Discharge Centrifuge:

Model	Unit	TAM 24 TD	TAM 36 TD	TAM 48 TD	TAM 60 TD
Basket Diameter	mm.	610	915	1220	1524
Basket Depth	mm.	300	450	450	500
Working Capacity under lip	Lts.	50	160	260	450
Basket Load (Max)	Kgs.	63	200	325	563
Max. Basket revolutions	rpm.	1400	1100	1000	900
Centrifugal Force	G.	668	619	682	691
Filtration Area	m ²	0.59	1.29	2.49	2.39
Motor Power	kW	2.2	5.5	11	15
Overall Dimention of Machine					
Length over Motor	mm.	1450	1780	2150	2500
Width	mm.	1000	1220	1600	2000
Operating Height	mm.	1175	1350	1650	2100
Weight of Machine with Motor	Kgs.	1150	2750	4000	5500

Technical Specifications for 4 point suspension Manual Top Discharge Centrifuge (Bag-Lift Type):

Model	Unit	TAM 24 BL	TAM 36 BL	TAM 48 BL	TAM 60 BL
Basket Diameter	mm.	600	900	1200	1500
Basket Depth	mm.	300	450	450	500
Working Capacity under lip	Lts.	65	205	300	590
Basket Load (Max)	Kgs.	81	256	375	737.5
Max. Basket revolutions	rpm.	1400	1100	1000	900
Centrifugal Force	G.	668	619	682	691
Filtration Area	m ²	0.58	1.29	1.72	2.36
Motor Power	kW	2.2	5.5	11	15
Overall Dimention of Machine					
Length over Motor	mm.	1450	1780	2150	2500
Width	mm.	1000	1220	1600	1950
Operating Height	mm.	1800	2400	2900	3200
Weight of Machine with Motor	Kgs.	1350	3000	4750	6500

Note :

1. The centrifugal force relates to the basket diameter and maximum speed.
2. Basket load in Kgs. will vary based on bulk Density of the material.
3. We reserve the right to alter size, weight and design features.
4. Higher Capacity models are available on request