

# Top Driven Bottom Discharge Centrifuge

Hydraulically Driven • Electrically Driven



Rotor Assembly



Basket Bottom View

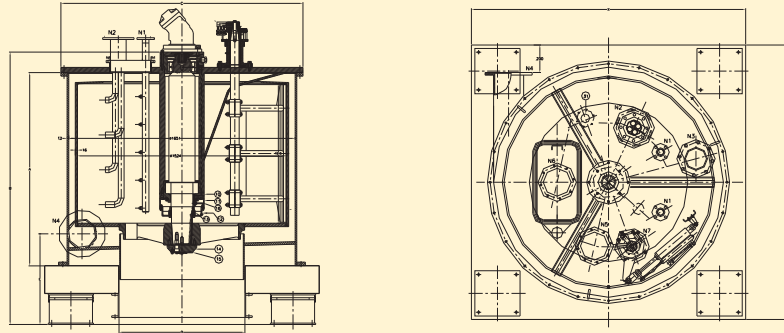


Manhole



Centrifuges Ready for Dispatch

## TD Series Dimension



Machine Size	A	B	C	D	E	X	Y	Access Cover
48 X 30	1117	1752	1498	736	558	1778	1778	355 X 609
60 X 30	1143	1752	1752	914	609	1981	1981	355 X 609
60 X 40	1397	1955	1752	914	660	1981	1981	355 X 609

All dimensions are approximate (in mm)

### Specifications:

MODEL	48 TDBD	60 TDBD	60 TDBD
Basket Diameter	1224	1524	1524
Basket Depth	760	760	1000
Cake thickness	184	184	250
Capacity, litres	450	580	1019
Filtering Area, sq.m.	2.87	3.6	4.8
Centrifugal Force, (G)	900	800	800
Discharge Opening	736	914	914
Drive hp. (STD)	30	40	75
Feed Pipe	75	75	75
Spray Pipe	25	25	25
Fume Vent	100	100	100
Liquid Outlet	150	150	200
Purge	12	12	25
Sight Glass	250	250	250
Light Glass	150	150	150
Shipping Weight, kgs.	6,000	7,000	10,000

### Options:

- Special Finishes • Variable Frequency AC Drives • Special Connections • Higher Pressure Ratings • Pneumatic / Hydraulic Plow • Serrated Plow Blade • Sanitary Design with CIP Capability • Vibration Dampeners • Higher 'G' Forces Available

### SUKHRAS CENTRIFUGE TECHNOLOGY

Sukhras top-driven Vertical Basket Centrifuge TD Series is designed to fulfill a wide range of production requirements. The TD Series meets the needs of diverse applications from sludge waste to pharmaceuticals.

Sukhras is a pioneer in simplifying centrifuge operation. It has refined basket geometry to assure greater process efficiency. By creating a cleaner, top-driven design which eliminates the belt drive and tunnel, Sukhras has simplified centrifuge maintenance. In addition, the TD Series provides a self-circulating oil lubrication system which extends bearing life, and a single motion plow which guards against product contamination.

The TD Series has a Sukhras packaged hydraulic drive which is specifically designed to optimize centrifuge performance. This is accomplished with stepless, infinitely variable speed controls and dynamic braking, resulting in increased process cycle efficiency and reduced equipment stress loads.

Sukhras TD Series ranges higher capacity from 450 to 1000 cubic feet. Centrifuges can be manufactured in a variety of corrosion resistant materials. They come with solid state controls, offering either automatic or manual operation modes, and they can be fully tied-in with a central computer control system.

Sukhras engineers and manufactures each of its centrifuges to meet the customer's specific process operations and control requirements.



**SUKHRAS MACHINES PVT. LTD.**  
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