

Centrifuge Extractor

/ LiquidExtrac Scientific and Industrial Equipment



Centrifuge Extraction System

A centrifuge is a piece of equipment that puts an object in rotation around a fixed axis (spins it in a circle), applying a force perpendicular to the axis of spin (outward) that can be very strong. The centrifuge works using the sedimentation principle, where the centrifugal acceleration causes denser substances and particles to move outward in the radial direction. At the same time, objects that are less dense are displaced and move to the center.

LiquidExtrac Centrifuge extraction system (alcohol extraction system) that use closed-loop technology enable operators to target botanical oil compounds from diverse plant species. Boasting a 97% alcohol removal from biomass, the LELXJ Series system streamline production times and maximize extraction yield, ensuring the delivery of high-purity extractions. Comes equipped with on-demand heating and chilling, providing the system with maximum control and ease of operation.



FEATURES

Multiple Choices

- 5 Process Capacity Options:
15lbs/ 30lbs/ 50lbs/ 90lbs/ 150lbs Biomass per Batch

Special Jacketed Insulation Layer

- To prevent the alcohol from warming up
- To avoid frost in the surface, more convenient

Touch Screen Panel

- Designed with PLC program, easy for operation

More Details

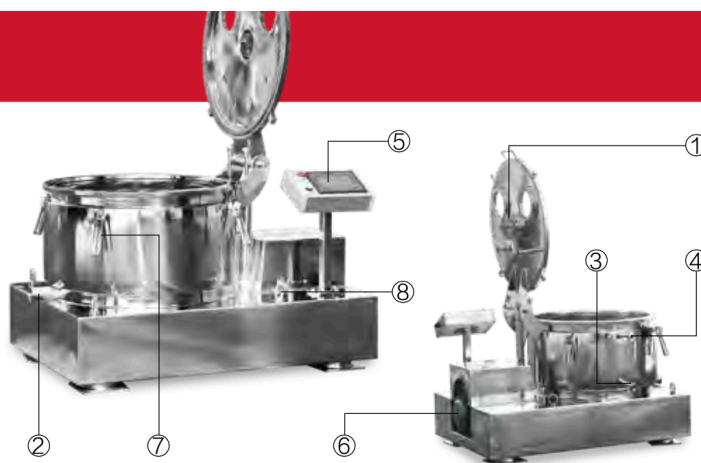
- High Quality Ex-proof Motor, Durable in Use
- Stainless Steel Construction
- Tri-clamp Fittings for Feed and Drain Port
- Reinforced Sight Glass
- Bi-Directional Agitation
- GMP Standard/ UL Standard (optional)

TECHNICAL DATA

Model	LELXJ-450	LELXJ-600	LELXJ-800	LELXJ-1000	LELXJ-1200
Basket Diameter (mm)	450	600	800	1000	1200
Basket Volume (L)	60	110	180	290	530
Biomass per Batch (lbs)	15	30	50	90	150
Biomass per 8Hr Shift (lbs)	300	600	1000	1800	3000
Liquid Volume (L/Gal)	100/26	170/45	340/90	570/150	870/230
Temperature Rating (°C)	-60	-60	-60	-60	-60
Max Speed (rpm)	1900	1250	1200	1000	950
Motor Power (kW)	2	4	7.5	11	18.5
Connections	Lid: 3 x 1.5" Tri-Clamp Ports, 2 x Sight Glasses Discharge: 1 x 2" Tri-Clamp Port				
Weight (kg)	400	810	1700	2500	3300
Centrifuge Dimension (LxWxH mm)	1000x750x800	1300x900x1010	1750x1250x1080	2000x1450x1140	2300x1600x1470
Control Cabinet Dimension (LxWxH mm)	500x400x1200	500x400x1200	500x400x1200	500x400x1200	500x400x1200
Control	PLC Touch Screen				
Certification	GMP Standard, UL Optional				
Electricity	240V, 3 Phase, 60Hz or Customizable				

Structure Display

- ① Feed Inlet
- ② Drain Port
- ③ Inlet for Chiller
- ④ Outlet for Chiller
- ⑤ Touch Screen Panel
- ⑥ Ex-proof Motor
- ⑦ Lock
- ⑧ Puller



TURNKEY SOLUTION



Storage Tank



Explosion-proof Centrifugal
Transfer Pump



Filter Bag Available



Chiller Available to
Make Heat Preservation