

Centrifuge extractor is an industrial equipment that mainly used to extract target compounds from plant material with the help of different solvent, like ethanol, pentane, etc. Low temperature ethanol extraction is one of the most popular applications in hemp industry.

Lab1st LXJ-Series centrifuge extraction system (ethanol extraction system) can recover more than 97% alcohol from biomass, with the capacity from 7.5lbs per batch to 260lbs per batch. Equipped with the PLC controller, it's perfect to work under programmable sequences, like soaking - extraction - separation and drying.

We also provide turnkey system including supporting chillers, transfer pumps, insulation jackets and all accessories. Some popular units are in stock at our USA warehouse.



Centrifuge Extractor

Features:

- Compatible with different solvents (e.g heptane) upon request
- Reinforced sight glass to observe the process
- Low temperature rating to -60C
- 97%+ alcohol recycling and 98% botanical compound removal
- Configurable HMI positions for easy switch between right-hand and left-hand operations
- High quality touch screen panel with PLC program

Technical Data:

TECHNICAL DATA	
Model	LXJ-450-N
Solvent Volume [L]	105
Basket Volume [L]	65
Separation Factor	580
Design Working Pressure [Mpa]	atm
Contact Part Material	SUS304 (Option: SUS 316L)
Support Mode	Rubber Shock Absorption
Certification	CE
Upgrade Certification [Optional]	NRTL Standard, CID2, Peer Engineer Review
ELECTRICAL REQUIREMENTS	

Voltage [V]	220/380
Phase [P]	1/3
Frequency [Hz]	50/60
Total Power [Kw]	3
——INNER CENTRIFUGE——	
Soak Height [mm]	475
Inner Centrifuge Diameter [mm]	520
Inner Centrifuge Height [mm]	500
——JACKET——	
Design operating temperature [°C]	-50°C~50°C
Pressure Range [Mpa]	atm~0.7
Heat Exchange Area [m²]	0.77
Jacket Volume [L]	21
——BASKET——	
Diameter [mm]	450
Height [mm]	400
Stirring Speed [rpm]	1500
Material Thickness [mm]	4
——CONNECTION——	
Material Inlet Port [mm]	1.5" (Chuck 50.5mm; OD38mm)
Exhaust Port [mm]	KF25
Clean Port [mm]	1" (Chuck 50.5mm; OD25.4mm)
Drain Port [mm]	1.5" (Chuck 50.5; OD38mm)
Jacket Inlet / Outlet Port [mm]	1" (Chuck 50.5mm ; OD25.4mm)
——MOTOR & TRANSMISSION——	
Power [Kw]	3
Type	Four Pole Motor
Explosion Proof Degree	BT4
Start Mode	Variable Frequency Starting
Braking Mode	Energy Consumption Braking/ Free Parking
Slow Down Resistance	Shanghai Kingsun
Drive Mode	Belt Drive
——ELECTRICITY——	
Frequency Converter	INDVS
PLC	Siemens
Communication Mode	Serial Communications
Speed Control Mode	0
——WEIGHT DIMENSION——	
Net Unit Weight [Kg]	410
Package Weight [Kg]	510
Centrifuge Package Dimension [mm]	1400×850×1080
380V Electrical Cabinet Dimension	500×(1200+100)×400
220V Electrical Cabinet Dimension	500×(1200+100)×400
——MATCHING CABLE——	
Signal Wire, Control Wire	10m×1 pcs
Motor Wire	10m×1 pcs
Total Power Cord	5m×1 pcs

Package Information:

Length (cm)

Width (cm)

Height (cm)

CBM (m3)

Weight (kg)

Total capacity

Product Serial No. 9065

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Technical details and dimensions are subject to change. No liability is accepted for errors or omissions. Illustrations can deviate from the original.

