

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-600-N                                 |
| Solvent Volume [L]               | 175                                       |
| Basket Volume [L]                | 115                                       |
| Separation Factor                | 540                                       |
| 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]                  | 4  |
| ——INNER CENTRIFUGE——              |  |
| Soak Height [mm]                  | 500                                      |
| Inner Centrifuge Diameter [mm]    | 660                                      |
| Inner Centrifuge Height [mm]      | 500                                      |
| ——JACKET——                        |  |
| Design operating temperature [°C] | -50°C~50°C                               |
| Pressure Range [Mpa]              | atm~0.7                                  |
| Heat Exchange Area [m²]           | 1  |
| Jacket Volume [L]                 | 28                                       |
| ——BASKET——                        |  |
| Diameter [mm]                     | 600                                      |
| Height [mm]                       | 400                                      |
| Stirring Speed [rpm]              | 1250                                     |
| Material Thickness [mm]           | 6  |
| ——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" (50.5Chuck ; OD38mm)                |
| Jacket Inlet / Outlet Port [mm]   | 1" (Chuck 50.5mm ; OD25.4mm)             |
| ——MOTOR & TRANSMISSION——          |  |
| Power [Kw]                        | 4  |
| 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                | V/F                                      |
| ——WEIGHT   DIMENSION——            |  |
| Net Unit Weight [Kg]              | 800                                      |
| Package Weight [Kg]               | 920                                      |
| Centrifuge Package Dimension [mm] | 1600×1060×1250                           |
| 380V Electrical Cabinet Dimension | 500×(1200+100)×400                       |
| 220V Electrical Cabinet Dimension | 600×(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

2023-06-01 16:52:12

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

