

E-110

Supercritical CO₂ Extractor



DESCRIPTION

The extraktLAB E-110 is the fastest, most advanced and most powerful CO₂ extraction machine on the market today. The machine is designed to provide high yield in a short period of time while satisfying the traceability requirements for GMP compliancy.

extraktLAB's supercritical CO₂ extraction equipment can run a variety of extraction methods.

FEATURES

-  **Sub or Supercritical CO₂ Extractions**
-  **Full Spectrum Extracts**
-  **Fully Automated Methods**
-  **UL, ASME, PED, EPR Certified**
-  **Scalable up to 10 Tons Per Day**
-  **GMP Compliant Software**



EXTENDED

PROCESSING POWER

- Up to 79 lbs/day
- 1.5 kg/cycle
- 60 min/cycle @ 10% potency
- 90+% hemp efficiency
- 95+% marijuana efficiency
- 24 sq ft footprint
- 57 Full Load Amps (FLA)

PROCESS CONTROL

- Programmable methods
- Automated extraction cycles
- Independent vessel control
- 0 - 5000 psi
- 25 - 100 °C
- Cyclonic separation
- Data capture/reporting

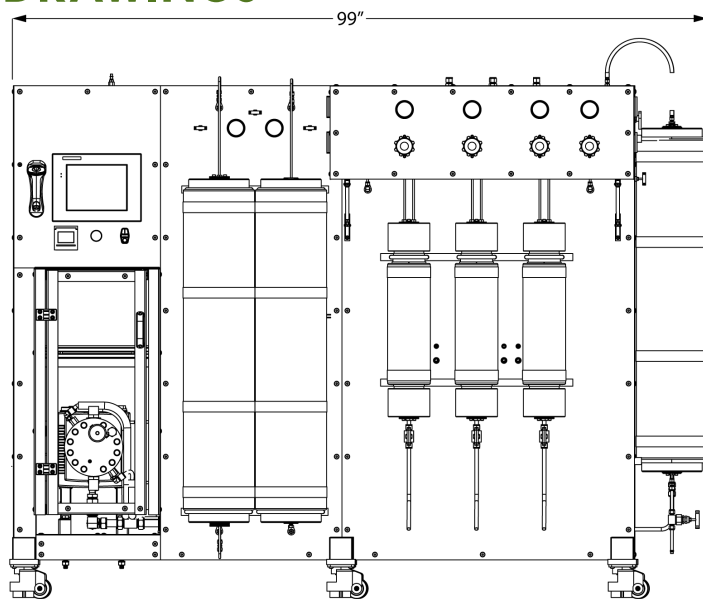
GMP COMPLIANCE

- Automated process control
- Batch, operator, parameter tracking
- FDA approved materials
- Instrument calibrations
- Clean in place
- International certifications
- Calibration/maintenance tracking

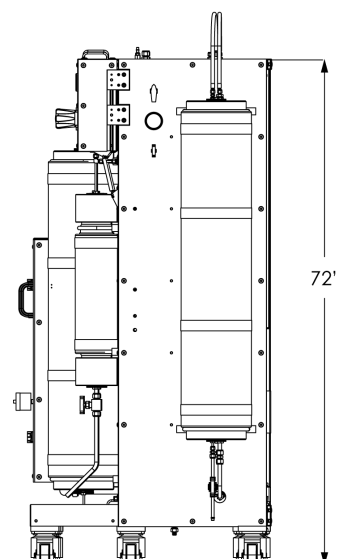
SPECIFICATIONS

ATTRIBUTE	VALUE	ATTRIBUTE	VALUE
General Specifications		Materials	
Dimensions (w/o light mast, in)	L99 × W34 x H72	Calibration / Maintenance	Software tracking built-in
Unit Weight (lbs)	3000	Cleaning Methods	Supercritical CO ₂ , alcohol, non-polar solvents
Footprint (sq ft)	24	Data System	Export data, diagnostics and event logging, data traceability, unlimited working level access, user traceability method, CO ₂ lot, input lot trace
Sound Pressure (db)	40	Regulatory Compliance	21 CFR Part 117, 211, 177 and Health Canada equivalents, P.E. stamped according to ASME DIV II VII-2 PED compliant, CE marked, notified body Lloyd's Register. CRN number
Electrical Specifications		Wetted Materials	FDA approved, ASME 304 and 316 Structural Grade Steel
Certifications, Listed	UL 508A	Performance Specifications*	
Frequency (Hz)		Biomass Input/Cycle (kg)	1 - 1.5
Frequency (Hz)	50 - 60	Cycle Time (min) @ 10% potency	60
Full Load Amps (amps)	57	Biomass Processing / Day	36 kg / 79 lbs
Phase	1	Efficiency – Oil Recovery	Hemp 90+% / Marijuana 95+% *Actual Performance Results May Vary
Voltage (VAC)	208/240	Installation and Training	
Control Interface Specifications		Included Training & Install	2 days
Flow Control	Manual or Automatic	Warranty	
User Interface	Touch Screen HMI Panel	Duration	18 months
Extractor Specifications			
CO ₂ Recycle Vessel (L)	20		
CO ₂ Supply Inlet (psi)	750 - 850		
Collection Vessels (L) x3	2.5		
Extraction Vessels (L) x2	5		
Operating Pressure (psi)	0 to 5,000		
Operating Temperature (°C)	25 - 100		
Separation Principle	Cyclonic		

LINE DRAWINGS



FRONT VIEW



SIDE VIEW

E-110



651-600-0036 | EXTRAKTLAB.COM
811 PINE ST. SAINT CROIX FALLS, WI 54024

 UNITED SCIENCE
www.unitedscience.com