

E-140

Supercritical CO₂ Extractor



DESCRIPTION

The extraktLAB E-140 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 compliance.

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**
-  **GMP Compliant Software**



EXTENDED

PROCESSING POWER

- Up to 422 lbs/day
- 8 kg/cycle biomass
- 60 min/cycle @ 10% plant potency
- 90+% hemp efficiency
- 95+% marijuana efficiency
- 24 sq ft footprint
- 67 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

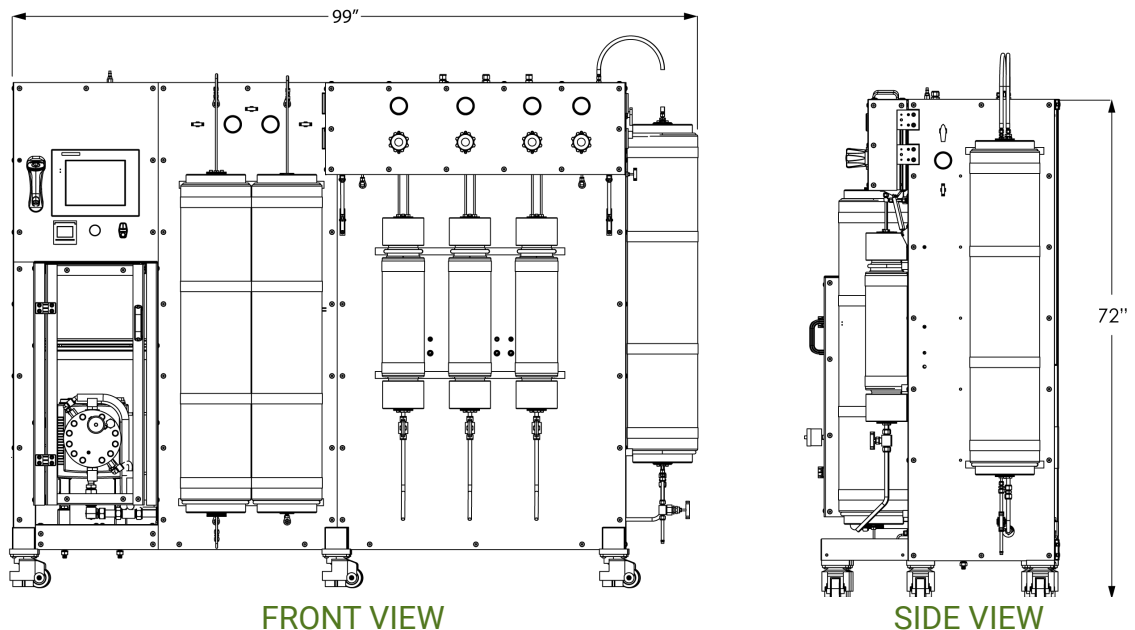
- Automated process control
- Batch, operator, parameter tracking
- FDA approved materials
- Instrument calibrations
- Clean in place
- International certifications
- Calibration/maintenance tracking

SPECIFICATIONS

ATTRIBUTE	VALUE
General Specifications	
Dimensions (w/o light mast, in)	H72 × L99 × W34
Unit Weight (lbs)	4,300
Footprint (sq ft)	24
Sound Pressure (db)	50
Electrical Specifications	
Certifications, Listed	UL 508A
Frequency (Hz)	50 - 60
Full Load Amps (amps)	67
Phase	3
Voltage (VAC)	208/240
Control Interface Specifications	
Flow Control	Manual or Automatic
User Interface	Touch Screen HMI Panel
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	20
Operating Pressure (psi)	0 to 5,000
Operating Temperature (°C)	25 - 100
Materials	
Calibration / Maintenance	Software tracking built-in
Cleaning Methods	Supercritical CO ₂ , alcohol, non-polar solvents

ATTRIBUTE	VALUE
Materials (continued)	
Data System	Export data, diagnostics and event logging, data traceability, unlimited working level access, user traceability method, CO ₂ lot, input lot trace
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
Separation Principle	Cyclonic
Wetted Materials	FDA approved, ASME 304 and 316 Structural Grade Steel
Performance Specifications*	
Biomass Input/Cycle (kg)	1 - 1.5
Cycle Time (min) @ 10% potency	60
Biomass Processing / Day	192 kg / 422 lbs
Efficiency – Oil Recovery	Hemp 90+% / Marijuana 95+%
	<i>*Actual Performance Results May Vary</i>
Installation and Training	
Included Training & Install	2 days
Warranty	
Duration	18 months
Quality and Labor	Parts & workmanship

LINE DRAWINGS



E-140

