

# E-110







Supercritical CO<sub>2</sub> Extractor



## DESCRIPTION

The E-110 is one of our E-series extractors, the fastest, most advanced and most powerful line of CO<sub>2</sub> extraction machines on the market today. The E-110 is capable of processing up to 79 pounds/day. extraktLAB's supercritical CO<sub>2</sub> extraction equipment can run a variety of automated extraction methods. Our E-series is designed to provide high yield in a short period of time while satisfying the traceability requirements for GMP compliance.

## FEATURES

-  **Sub or Supercritical CO<sub>2</sub> Extractions**
-  **Full Spectrum Extracts**
-  **Fully Automated Methods**
-  **UL, ASME, PED, EPR Certified Components**
-  **Scalable**
-  **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
<b>General Specifications</b>	
Dimensions (w/o light mast, in)	L99 × W34 x H72
Unit Weight (lbs)	3000
Footprint (sq ft)	24
Sound Pressure (db)	40
<b>Electrical Specifications</b>	
Certifications, Listed	UL 508A
Frequency (Hz)	50/60
Full Load Amps (amps)	57
Phase	1
Voltage (VAC)	208-230/380
<b>Control Interface Specifications</b>	
Flow Control	Manual or Automatic
User Interface	Touch Screen HMI Panel
<b>Extractor Specifications</b>	
CO <sub>2</sub> Recycle Vessel (L)	20
CO <sub>2</sub> 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

ATTRIBUTE	VALUE
<b>Materials</b>	
Calibration / Maintenance	Software tracking built-in
Cleaning Methods	Supercritical CO <sub>2</sub> , alcohol, non-polar solvents
Data System	Export data, diagnostics and event logging, data traceability, unlimited working level access, user traceability method, CO <sub>2</sub> 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
Wetted Materials	FDA approved, ASME 304SS and 316SS
<b>Performance Specifications*</b>	
Biomass Input/Cycle (kg)	1 - 1.5
Cycle Time (min) @ 10% potency	60
Biomass Processing / Day	36 kg / 79 lbs
Efficiency – Oil Recovery	Hemp 90+% / Marijuana 95+% *Actual Performance Results May Vary
<b>Warranty</b>	
Duration (months)	12
Quality and Labor	Parts & workmanship

## SOLD SEPARATELY:

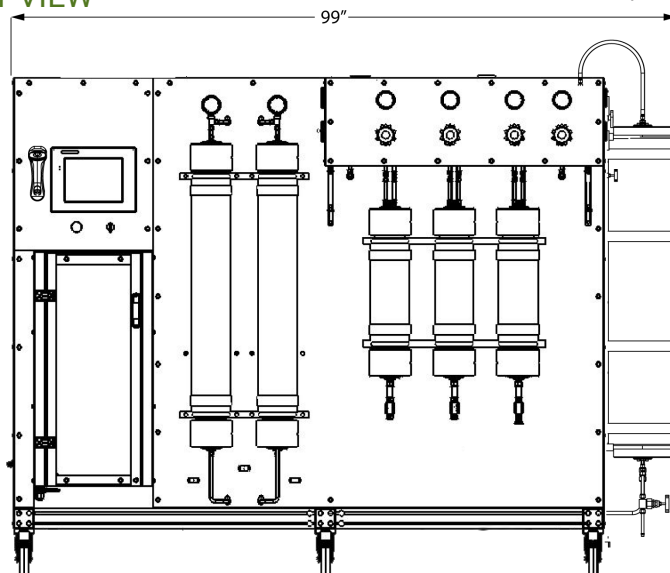
Chiller Requirements: 5hp  
Ethanol Co-Solvent Pump

CO<sub>2</sub> Cage  
MPCART

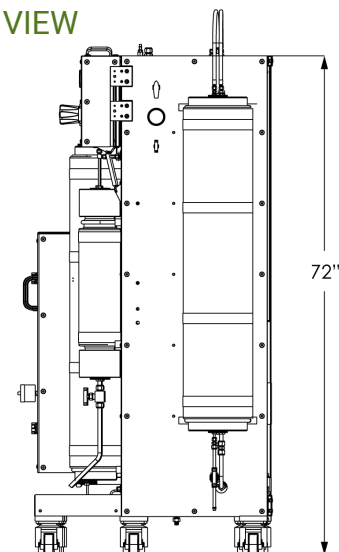
**Required Kits:** Cleaning, Critical Spares, and Startup  
#80-9608 | GMP Equipment Commissioning & Training Package  
#80-9606 | GMP Equipment Documentation Package  
#80-9609 | Maintenance Package (12 months)

# LINE DRAWINGS

## FRONT VIEW



## SIDE VIEW



To Order:

**E-110: #10-0000 (208-230V) | #10-0153 (380V)**

Chiller Kit w/connections #10-1031 (208-230/380V)

Ethanol Co-Solvent Pump, #10-1015 (208-230V) | #10-1110 (380V)



651-600-0036 | [EXTRAKTLAB.COM](http://EXTRAKTLAB.COM)  
500 SIMMON DR. OSCEOLA, WI 54020

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[www.unitedscience.com](http://www.unitedscience.com)