

# E-140

Supercritical CO<sub>2</sub> Extractor



## DESCRIPTION

The E-140 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-140 is capable of processing up to 422 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**
-  **Automated Co-solvents & Gradients**
-  **Full Spectrum Extracts**
-  **Fully Automated Methods**
-  **UL, ASME, PED, EPR Certified Components**
-  **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 including co-solvent, temp, and ingredients
- Automated extraction cycles
- Independent vessel control
- 0 - 5000 psi
- 0° - 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
<b>General Specifications</b>		<b>Materials</b>	
Dimensions (w/o light mast, in)	L99 × W34 x H72	Calibration / Maintenance	Software tracking built-in
Unit Weight (lbs)	4,300	Cleaning Methods	Supercritical CO <sub>2</sub> , 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 <sub>2</sub> lot, input lot trace
Sound Pressure (db)	50	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
<b>Electrical Specifications</b>		Separation Principle	Cyclonic
Certifications, Listed	UL 508A/CE/PED	Wetted Materials	FDA approved, ASME 304SS and 316SS
Frequency (Hz)	50/60	<b>Performance Specifications*</b>	
Full Load Amps (amps)	67	Biomass Input/Cycle (kg)	8
Phase	3	Cycle Time (min) @ 10% potency	60
Voltage (VAC)	208-230/380	Biomass Processing / Day	192 kg / 422 lbs
<b>Control Interface Specifications</b>		Efficiency – Oil Recovery	Hemp 90+% / Marijuana 95+%
Flow Control	Manual or Automatic	<i>*Actual Performance Results May Vary</i>	
User Interface	Touch Screen HMI Panel	<b>Warranty</b>	
<b>Extractor Specifications</b>		Duration (months)	12
CO <sub>2</sub> Recycle Vessel (L)	20	Quality and Labor	Parts & workmanship
CO <sub>2</sub> 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)	0° - 100°		

## SOLD SEPARATELY:

Ethanol Co-Solvent Pump

Chiller Requirement: 5hp

## Required Kits:

Cleaning, Startup, and Critical Spares Kits

## MAY ALSO WANT TO INCLUDE, ALSO SOLD SEPARATELY:

CO<sub>2</sub> Cage: #10-0009 (208-230V) | #10-0097 (380V)

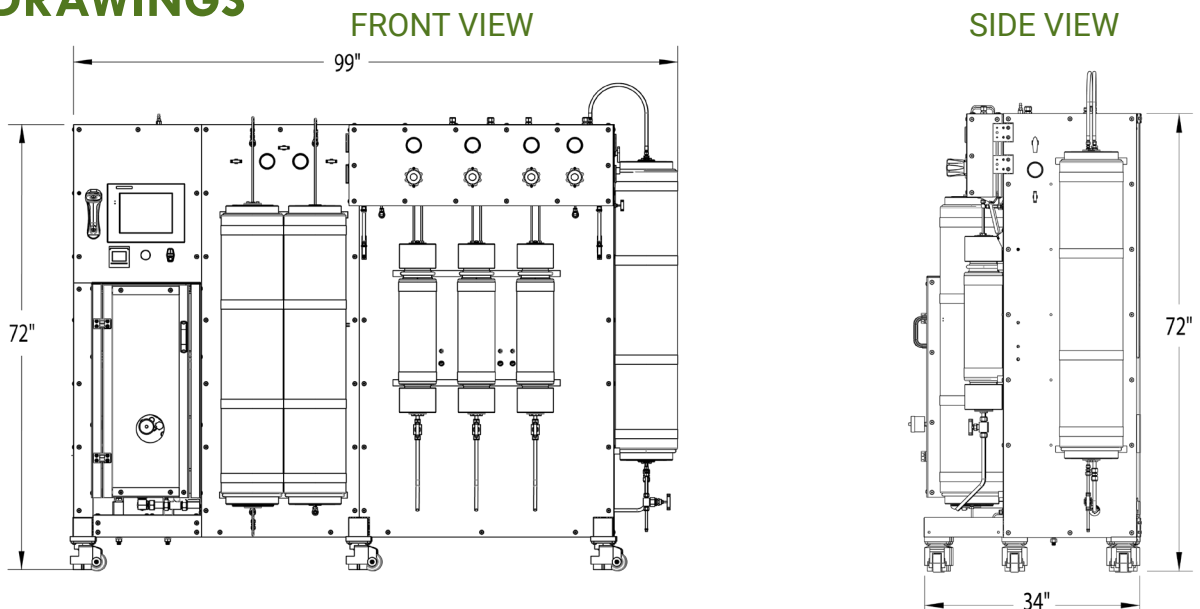
MPCART: #10-0131 (208-230V) | #10-0155 (380V)

#80-9608 | GMP Equipment Commissioning & Training Package

#80-9606 | GMP Equipment Documentation Package

#80-9609 | Maintenance Package (12 months)

# LINE DRAWINGS



To Order: **E-140 #10-0063 (208-230V) | #10-0099 (380V)**

**E-140 (C1D2) #10-0141 (208-230V) | #10-0142 (380V)**

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

Co-Solvent Pump Kit: #10-1015 (208-230V) | #10-1110 (380V)

Critical Spares Kit: #10-1039 (208-230/380V)



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