

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**
-  **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

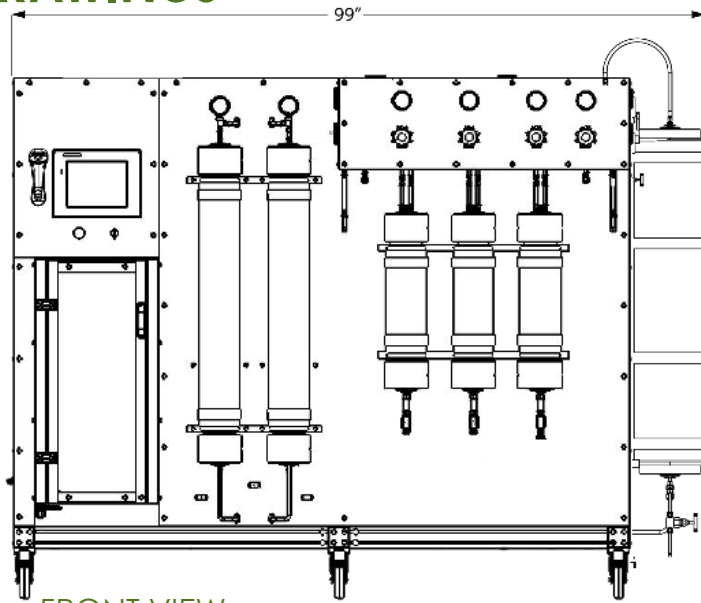
GMP COMPLIANCE

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

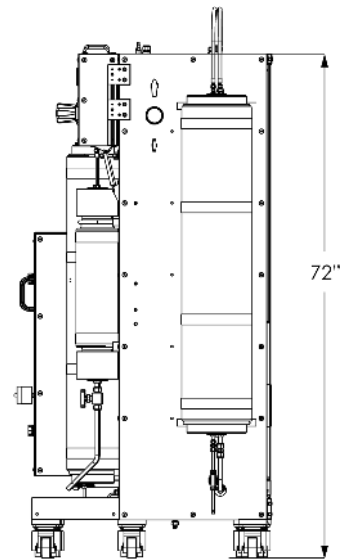
SPECIFICATIONS

| ATTRIBUTE | VALUE | ATTRIBUTE | VALUE |
|-----------------------------|----------------------------|---------------------------|--|
| Biomass Input / Cycle | 1-1.5kg | Full Load Amps | 57 |
| Cycle Time @ 10% pp | 60 min | Voltage | 208-240 VAC |
| Biomass Processing / Day | 36 kg / 79 lbs | Phase | 1 |
| Efficiency – Oil Recovery | Hemp 90+% / Marijuana 95+% | Frequency | 50-60 Hz |
| Extraction Vessels | 2 × 5L | Flow Control | Manual or Automatic |
| Collection Vessels | 3 × 2.5L | CO2 Supply | 750-850 psi inlet |
| CO2 Recycle Vessel | 20L | Wetted Materials | FDA approved, ASME 304 and 316 Structural Grade Steel |
| Footprint | 24 sq ft | Separation Principle | Cyclonic & Solubility |
| Shipping Weight | 3,000 lbs | Datasystem | Export data, diagnostics and event logging, data traceability, unlimited working level access, user traceability method, CO2 lot, input lot trace |
| Dimensions (w/o light mast) | H 72" × L 99" × W 34" | 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 |
| Operating Pressure | 0 to 5,000 psi | Cleaning Methods | Supercritical CO2, alcohol, non-polar solvents |
| Operating Temperature | 25 to 100°C | Calibration / Maintenance | Software tracking built-in |
| Sound Pressure | 40 db | Training records | Software tracking built-in |
| User Interface | Touch Screen HMI Panel | | |

LINE DRAWINGS



FRONT VIEW



SIDE VIEW



E-110