

# E-180

Supercritical CO<sub>2</sub> Extractor









## DESCRIPTION

The extraktLAB E-180 is the fastest, most advanced and most powerful CO<sub>2</sub> 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 CO<sub>2</sub> extraction equipment can run a variety of extraction methods.

## FEATURES

-  **Sub or Supercritical CO<sub>2</sub> Extractions**
-  **Full Spectrum Extracts**
-  **Fully Automated Methods**
-  **UL, ASME, PED, EPR Certified**
-  **Scalable**
-  **GMP Compliant Software**



## EXTENDED

### PROCESSING POWER

- Up to 844 lbs/day
- 16 kg/cycle biomass
- 60 min/cycle @ 10% plant potency
- 90+% hemp efficiency
- 95+% marijuana efficiency
- 48 sq ft footprint
- 85 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

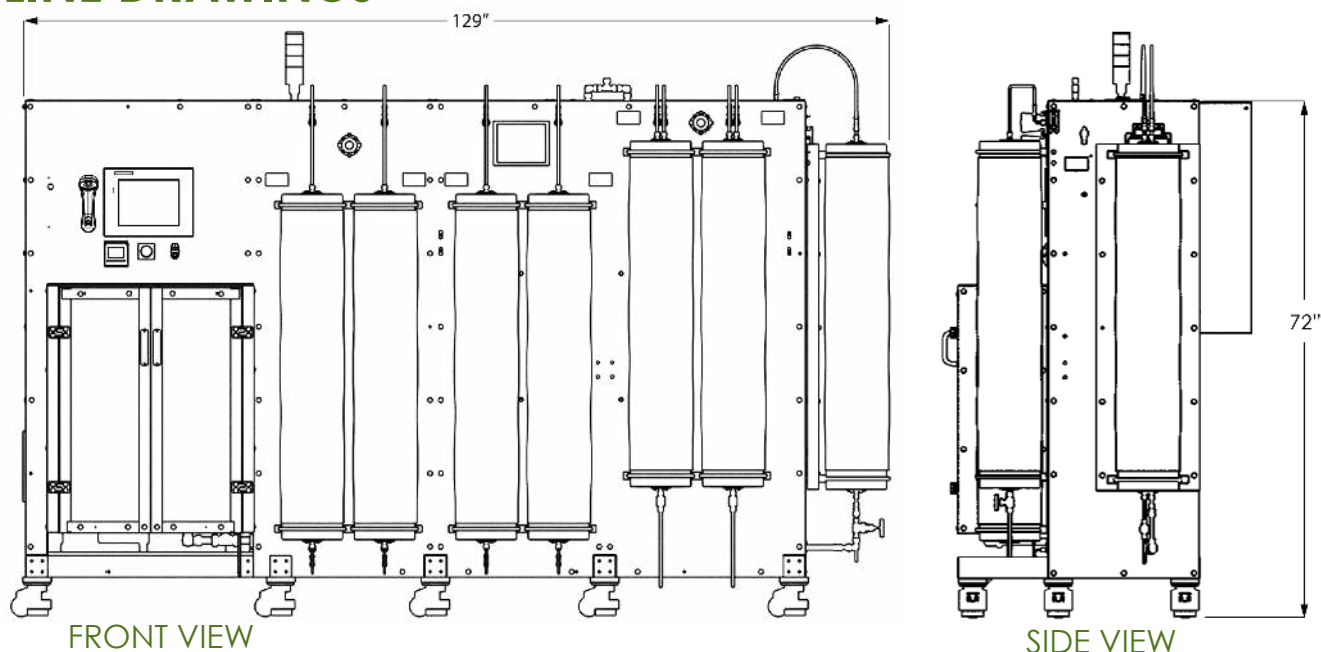
- Automated process control
- Batch, operator, parameter tracking
- FDA approved materials
- Instrument calibrations
- Clean in place
- International certifications
- Calibration/maintenance tracking

## SPECIFICATIONS

ATTRIBUTE	VALUE
Biomass Input / Cycle	10-16kg
Cycle Time @ 10% pp	60 min
Biomass Processing / Day	384kg / 844 lbs
Efficiency – Oil Recovery	Hemp 90+% / Marijuana 95+%
Extraction Vessels	4 X 20L
Collection Vessels	2 X 20L
CO2 Recycle Vessel	20L
Footprint	48 sq ft
Shipping Weight	6,200 lbs
Dimensions (w/o light mast)	H 72" x L 129" x W 53"
Operating Pressure	0 to 5000 psi
Operating Temperature	25 to 100°C
Sound Pressure	50 db
User Interface	Touch Screen HMI Panel

ATTRIBUTE	VALUE
Full Load Amps	85
Voltage	208-240 VAC
Phase	3
Frequency	50-60 Hz
Flow Control	Manual or Automatic
CO2 Supply	750-850 psi inlet
Wetted Materials	FDA approved, ASME 304 and 316 Structural Grade Steel
Separation Principle	Cyclonic & Solubility
Datasystem	Export data, diagnostics and event logging, data traceability, unlimited working level access, user traceability method, CO2 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
Cleaning Methods	Supercritical CO2, alcohol, non-polar solvents
Calibration / Maintenance	Software tracking built-in
Training records	Software tracking built-in

## LINE DRAWINGS



# E-180

 **extraktLAB**