

Maximum Flexibility.
Future-Proof Resilience.

**CO₂ & Multi-Solvent
Extraction Systems**



EXTRACTION

- Vessel volume: 10 L / 20 L combinations
- Total extraction vessel volume: Up to 40 L †
- Liquid CO₂ pump: Up to 3 kg/minute
- Integrated multi-solvent system
- Temperature range: 10–150°F (-12–65°C)
- Pressure range (standard configuration):
 - MAWP: 2,200 psi (151 bar)
 - Operating pressure: 500–2,000 psi (35–137 bar)
- Pressure range (high-pressure upgrade):
 - MAWP: 5,000 psi (345 bar)
 - Operating pressure: 500–4,800 psi (35–331 bar)



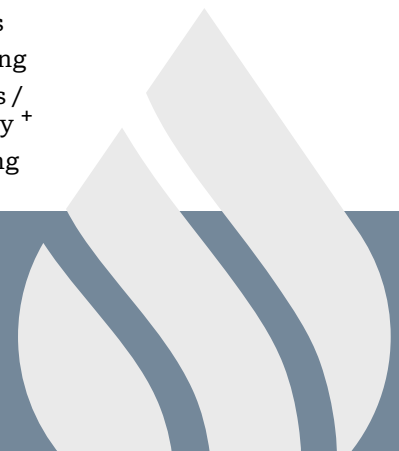
CO₂ RECOVERY & STORAGE

- Closed-loop CO₂
- CO₂ condenser
- CO₂ remediation filters



CONTROL PANEL

- Multiple user levels
- Real-time monitoring
- Remote diagnostics / remote connectivity †
- Live batch recording





CONTINUOUS OPERATION

Continuous cyclone separation †
Dual extractor configurations



SPECIFICATIONS

Weight: 3,500 lbs (1,588 kg) †
Footprint (LxWxH): 200" x 37" x 80.75"
(5m x 1m x 2m)

**Can be transported through
a standard 36" x 80" door**



SITE REQUIREMENTS

Pneumatic supply ISO 8573-1 [5:4:3] @120 psi 12 SCFM
Broadband internet connection
Power requirements (North America):

- 460V 3 ϕ 60Hz (standard)
- 240V 1 ϕ 60Hz (optional)

 Power requirements (EU, AUS, NZ):

- 400V 3 ϕ 50Hz (standard)
- 230V 1 ϕ 50Hz (optional)

 Avg. operating power : 22 kWh / Max power: 35 kWh



ADDITIONAL STANDARD FEATURES

304 stainless-steel contact surfaces
Flow meter
Ethanol wash sequence / CIP compatibility
Integrated CO₂ (R744) refrigeration
HMI designed to ISA 101.01
Automated programmable start-up & shutdown
Pre-loaded recipes
User-programmable recipes
Over-the-air software updates⁺
Remote diagnostics capability⁺
Managed project implementation
Professional commissioning
On-site operator training



SEPARATION & COLLECTION

Continuous CO₂ purification
Cyclonic separation
Pressure range: 300–720 psi (21–50 bar)
Temperature range: 40–100°F (4.4–38°C)
Dedicated terpene collection



CERTIFICATIONS, COMPLIANCE & WARRANTY

| | |
|-------------|----------|
| ASME/NB | CSA-CRN |
| PED-CE | CUL/UL |
| AS/NZS 1200 | EU-GMP † |
| UKCA | |

Lifetime warranty^Δ on all pressure vessels
One-year warranty on all other components
Service plans available



OPTIONAL FEATURES

CIP (clean-in-place) system ‡
Pre-loadable biomass options
In-line extract filtration
Extended service plan
Bulk CO₂ storage solutions
Managed door-to-door logistics



OPTIONAL GMP SUPPORT ASSETS

We can provide the following GMP documents: URS, FRS, requirement traceability matrix, PHA, FAT, SAT, IQ, OQ, calibration certificates, technical design documents, wetted materials traceability, software disaster recovery plan.