VITALIS

CIS

COSOLVENT INJECTION SYSTEM

DUAL SOLVENT PRODUCTION CAPACITY

R-200 Dual Solvent Extraction

- 30 kgs (66.13 lbs)
- Average runtime: 2 hours
- Throughput (cannabis/hemp): 360 kgs (793.6 lbs)*
- 12 extractions / 24 hours
- Ethanol use / run: 25.54 L

Q-90 Dual Solvent Extraction

- 12 kgs (26.45 lbs)
- Average runtime: 1.2 hours
- Throughput (cannabis/hemp): 240 kgs (529.1 lbs)*
- 20 extractions / 24 hours
- Ethanol use / run: 10.5 L

COSOLVENT INJECTION SYSTEM

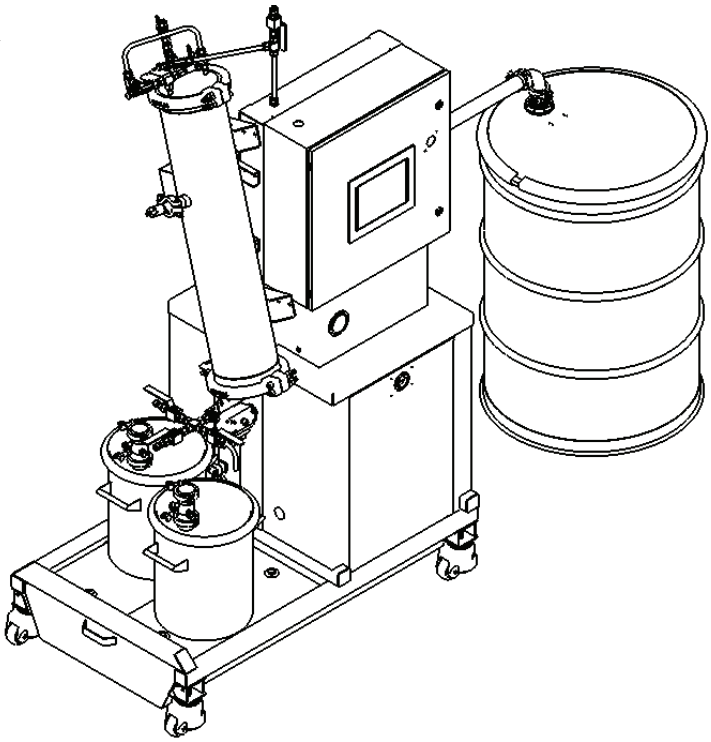
- Add-on module for Vitalis CO_2 extraction system (Q-Series or R-Series)
- Injection pressures up to 2,500 psi
- Approved cosolvent: Ethanol
- Injection range (@2,300 psi and @5 kg/minute of CO2 flow):
  - Minimum—100 mL/minute [0.079 kg/minute]
  - Maximum—300 mL/minute [0.24 kg/minute]

PHYSICAL SPECIFICATIONS

- 32” W x 54” L x 84” H (pump assembly only)
- 32” W x 102” L x 84” H (required extraction area volume)
- Weight: 550 lbs (dry)
- Power: Single-phase 120 V/60 HZ/15 A (NEMA 5 outlet)

PUMP SPECIFICATIONS

- Pneumatic injection pump
- Automated rate control



ADDITIONAL FEATURES

- Maintain non-hazardous room classification
- Ethanol reclaim for non-hazardous biomass waste
- Programmable setpoints for time- and volume-based injection
- Automated ramped flow rate increase/decrease (≤4 intervals)
- Automated cyclone draining during cosolvent extraction
- Fill level warning/shutdown on extract collection vessel
- Integrated control with Vitalis extraction system, including safety shutdowns and interlocks
- Ethanol can be used to flush process lines in place to assist with cleaning

* Throughput, run-time, and extraction values for each system are based on specific potency and recovery figures, as well as a specific mill size. Additional factors, including SOPs (standard operating procedures), will also contribute to system performance.

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