

Cryogenic Ethanol Extraction System

maratek
Automate | Optimize | Scale

EV-M

60lbs/hr Cryogenic Ethanol Extraction System



Multi Stage
Filtration



Two 30 lb
Batches
per Hour



Fits Through a
30" Doorway



OERS
Integration
Available



Class I Div II Certified

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est. 1967

Cryogenic Ethanol Extraction System



Chilling



Solvent
Management



Extraction



Winterization



Filtration



OERS
Integration

Key Equipment Features:

- Process up to 600 lbs of organic material in a 10 hour shift or run multiple units in parallel
- 95% extraction efficiency
- -40° C chilling
- 1/4" - 1/2" millsize
- 5 micron, 1 micron and multimedia filtration options
- Dynalene process pump
- Hosing and piping meet 3A sanitary standards
- Two complete refrigeration circuits for redundancy and load control
- 1 operator can run 3 units
- 150L / 40 gallon 304 stainless steel initial chilling tank
- C1D2 certification
- Sanitary connections
- Additional 150L/40 gallon 304 stainless steel chilling tanks to re-chill before multi-stage filtration
- 80 L / 20 gallon stainless steel basket
- 120 L / 30 gallons of ethanol used per cycle
- Able to perform single, double, or triple washes



EV-M Advantages

- Ergonomic Design – The low profile design allows your operator to easily load and unload the centrifuge basket without the use of a stool which takes up valuable space in the extraction area and presents a slipping hazard.
- Unique User Permissions & Management - Different login permissions allow different functionality. This allows you to determine who can edit recipes and who can only run the system.
- Data Logging - All data points are saved on an SD card inside the control panel which houses about 2 years worth of data.
- Stand-alone Control Panel- The control panel can be placed based on your room configuration or outside of the room entirely.
- C1D1 or C1D2 Certification – The system control panel is C1D2 rated, all other components are C1D1. Placing the panel in another room will allow you to maintain C1D1 compliance if required.
- Proprietary FDA Compliant Seal / Bearing System- Unlike other centrifuges the EV-M centrifuge does not use a mechanical bearing (which causes issues with sealing out and priming the bearing with ethanol). This significantly reduces repairs required and system downtime.
- Vibration Sensor: A sensor monitors the vibration of the centrifuge to prevent premature shaft/bearing failure. It can also sense an unbalanced load and has a program to attempt to redistribute the weight of the load if required.

About Maratek

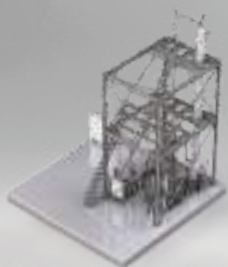
Maratek is an award-winning industry leader in the solvent recycling and cannabis & hemp oil production industries. We strive for the highest safety and quality standards with all our equipment designated as Class 1 Division 1 certified, and UL listed using only **North American stainless steel, parts, and labour.**

With over 50 years of experience in solvent waste and recovery industry, Maratek has solved a wide variety of engineering challenges. Let us provide world-class engineering services to integrate systems and provide closed loop cannabis & hemp oil production processes.

Cryogenic Ethanol Extraction
Series - EV - M



Oil and Ethanol Recovery Systems - OERS & Helios



Fractional Distillation and
Dewatering Systems - F-Series

The Maratek Family of Cannabis & Hemp Equipment and Services



Water Extraction and Refining
Trident and Poseidon



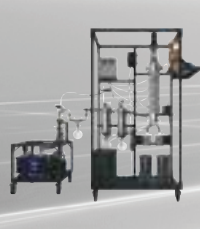
Turnkey Automatic
Winterization Systems - TAWS



MIPs



Isolate
Production



Oil Distillation
Systems



Engineering
Services

Contact

References available upon request with installations in facilities across the US, Canada and globally. Contact us now for a quote on our family of cannabis and hemp solutions!

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