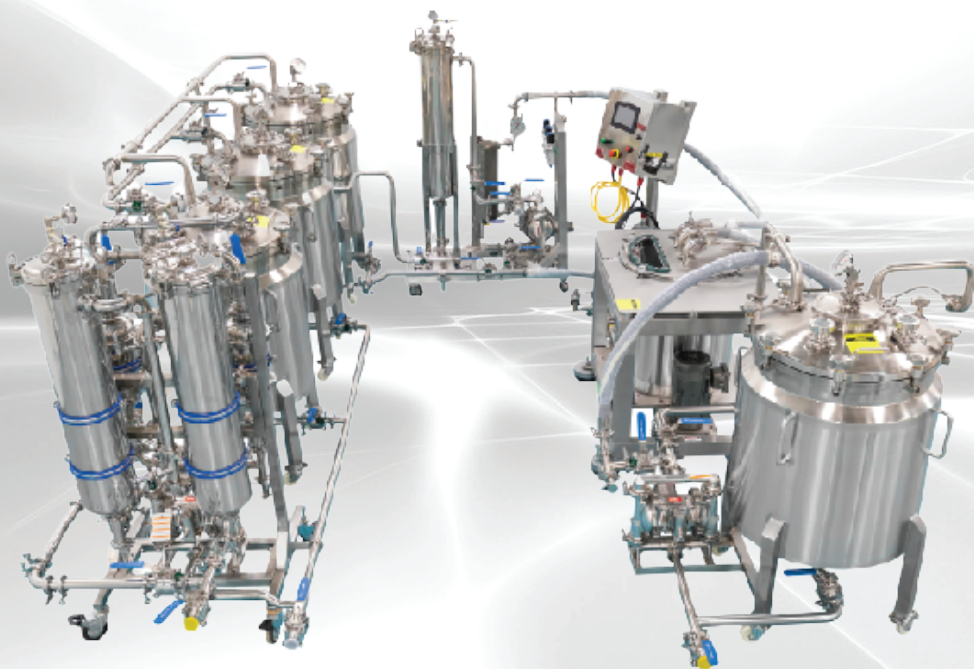


Cryogenic Ethanol Extraction System

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

maratek.com

est. 1967

Cryogenic Ethanol Extraction System



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" Milsize
- 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 and house 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 labor.

For over 50 years, Maratek has been engineering & manufacturing environmentally-friendly, high quality products that recycle solvents for the printing, coatings, automotive, aerospace, food, and paint industries.

Maratek can also provide world-class engineering services to integrate systems and provide closed loop cannabis/hemp oil production processes.

The Maratek Family of Cannabis Equipment and Services

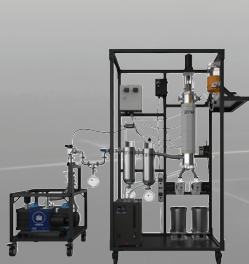
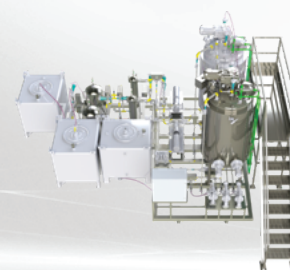
Cryogenic Ethanol Extraction Series - EV - M



Oil and Ethanol Recovery Systems - OERS



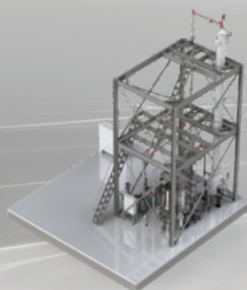
Turnkey Automatic Winterization Systems - TAWS



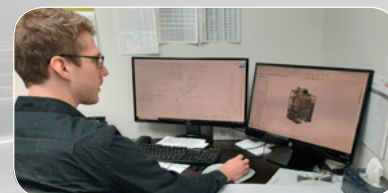
Oil Distillation Systems



Isolate Production



Fractional Distillation and Dewatering Systems - F-Series



Engineering Services

Contact

References available upon request with installation in facilities across the US, Canada and globally. Contact us now for a quote on our extraction equipment!

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