

Isolate Equipment Overview

maratek
Automate | Optimize | Scale

Isolate Equipment

Cannabis & Hemp Isolate Systems



2-50kg/hr
Throughput



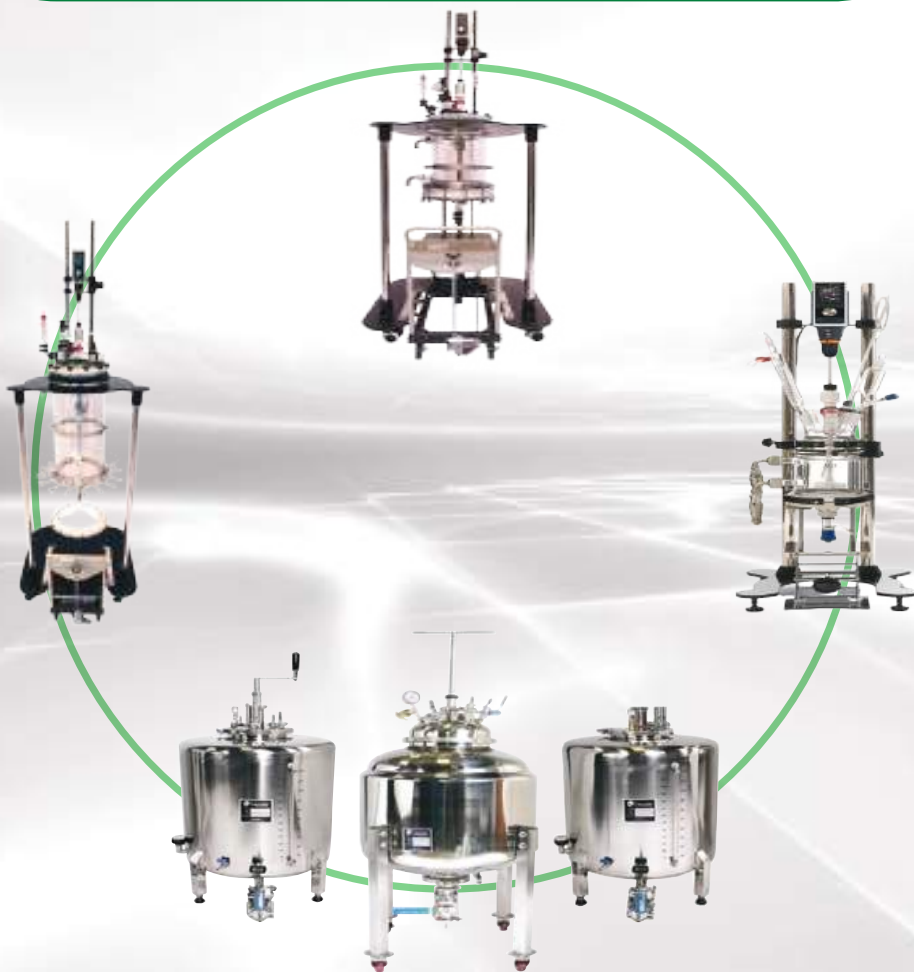
Benchtop to
Industrial Sizes



Automated
Options



EU-GMP Systems
Available



maratek.com

est. 1967

5L Glass Benchtop Filter Reactor Package

Features:

- 5L jacketed glass filter reactor
- Explosion proof motor upgrade option
- Operating temperatures from -90°C to +200°C
- Operating pressure full vacuum up to +0.5 bar G
- Height adjustable overhead stirrer
- Built in safety overpressure valve
- Achieve pharmaceutical grade powder within 4-6 hours



20L Glass Filter Reactor

Features:

- 20L jacketed glass filter reactor
- Reactor unit dimensions - (37.4"W) x (54.1"D) x (100.9"H)
- Achieve pharmaceutical grade powder within 4-6 hours
- All thermofluids, Hoses, connections and fittings included
- Glass reactor has industry leading 110°C delta
- Overhead stirrer on a height adjustable frame

50L Glass Filter Reactor

- 50L jacketed glass filter reactor
- Reactor unit dimensions - (37.4"W) x (54.1"D) x (114.8"H)
- Built in safety overpressure valve
- Full jacket design minimizes dead space
- Explosion proof motor upgrade option
- Operating pressure full vacuum up to +0.5 bar G
- Operating temperatures from -90°C to +200°C
- Spray ball(s) in reactor make it an easy clean



CPS-150

Features:

- Runs ~50kg distillate in a single 12 hour run with up to 86% efficiency
- Closed loop operation
- Approved use with:
 - Pentane in C1D1 environment
 - Hexane, heptane in C1D2 environment
- Crystallization capability
 - Capable of crystallizing CBD or CBG
 - Runs as low as 70% potency distillate
- Patent pending Crystal Breaker
 - Allows for easy crystal removal
- Crystals can be dried in unit
 - Positions quickly and easily
- Peer reviewed / state certifications
- NRTL certified mechanical component

OERS-B Solution for Recovering Pentane:

Our Batch Recovery Systems can be used to recover a variety of solvents, including those used in isolate production like heptane, pentane, hexane etc. We have batch style systems which can recover 8, 16, 32, 48 or 64 gallons per shift of solvent to be re-used for isolate production. Our systems have 304 stainless steel on all product contacting surfaces. Automatic filling and vacuum are also available.

About Maratek

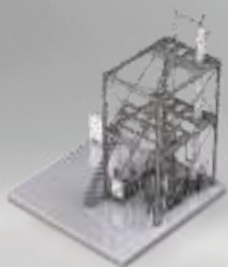
Maratek is an award-winning industry leader in the solvent recycling and cannabis & hemp oil production industries. We strive for the highest safety and quality standards with all our equipment designated as Class 1 Division 1 certified, and UL listed using only **North American stainless steel, parts,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



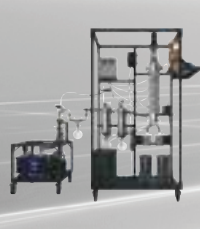
Turnkey Automatic
Winterization Systems - TAWS



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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