

Fast Filter Process for Dewaxing Winterized Liquid

Portable and Modular Fast Filter System - Plug and Play

If you currently use Buchner flasks, consider a Infinity Fast Filter System for dewaxing your winterized solution for up to 10 times faster than conventional filtering.

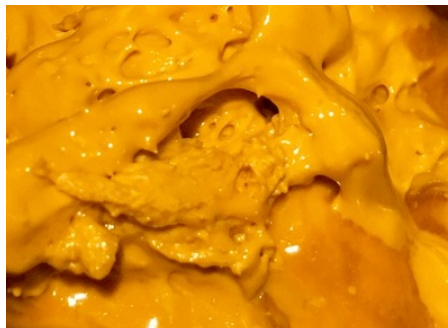
This is the perfect compliment to your botanical extraction system, whether it be hydrocarbons, ethanol, or supercritical CO2.

Our modular system is designed to grow, as your processing capacity grows. Start with a 1L system, and expand up to 8L. You can purchase a 1L cart system, or 1L with a cart designed to allow you to expand up to 8L total.

The modular system includes everything you need to get started, including a vacuum pump, paper filters, and a fast filter system mounted in a cart frame with industrial casters, that can be easily moved by one person. The 1L system runs off of 110V and can be solar powered with an inverter for off-grid use. The scalable 8L system can be 110/220V.

The Fast Filter System allows you to process more product, in less time, saving you valuable labor and giving you access to more profits.

Winterize Botanical Extracts Fast



Using the Infinity Fast Filter System, expect 2L in less than 30 minutes. More wax = more time. Light wax expect 1L in less than 5 minutes.

Summary: Winterization (ethanol alcohol wash) is done after extraction process to remove unwanted compounds such as wax, fats, and chlorophyll. The primary advantage to winterizing is a more potent CBD (Cannabidiol). The disadvantage is that the final CBD product will contain fewer terpenes (flavor/smell). Terpenes can be purchased separately, or removed prior to extraction run on a CO2 process, and prior to winterization, and then re-added after winterization (final product blend). The Infinity Fast Filter is perfect for the winterizing liquid filter process. The self-contained cart system includes a on-board vacuum system for fast processing. **Winterizing Process:** 1. Ethanol 10:1 Concentrate 2. 4-24 hours of ethanol oil solution in freezer -20 to -80 C 3. Filter paper in filter, then put oil solution from freezer into filter and turn on vacuum pump. 4. 1L in under 5 minutes. 5. Remove wax from filter, and discard filter. 6. Rotavap to remove ethanol. **Filter Media (Available on Amazon):** Paper Filter: removes waxes Carbon Filter: removes color and other waste components. Zeolites: Experimental absorber.

Stainless Steel Loading Vessel



Sealable stainless steel loading vessel. Use disposable paper filters or other sorbent media such as carbon or zeolites. Buy filters on Amazon.

Features and Process:

- Different than Buchner: Fast filtering, can use variety of sorbents (paper, carbon, Zeolites, etc.). No glassware.
- Portable: Self-contained cart-based system is mounted on casters. Tilt and haul away.
- Cleaning: use ethanol to clean surfaces
- Construction: All stainless steel for filtering system.
- Maintenance: Clean surface after use. Change gaskets as desired.
- Vacuum: On-board included system.
- Certifications: FM approved (similar to UL).
- Filtrate (finished concentrate without wax): Collected in stainless collection vessel at bottom of cart. Use rotary evaporator to remove ethanol.
- Wax By-Product: Sell for cosmetics, consumer, surfboard wax, food coatings, polish, wood coating and end sealants, or making candles.
- Paper Filter: Discard after use. May use 24mm diameter filters in 5, 10, 20+ microns.
- Other Filter Media: Carbon, zeolites, and other media.
- Containment Loading Vessel: 1 Liter. Feed rate .5 to 2 Liter per minute depending on wax density.
- Collection Vessel: Up to 10 Liters
- Winterizing Solution: Ethanol to concentrate 10:1
- Scalable and Modular: Mount multiple units on our 24x48 inch footprint caster beam cart for up to 8x capacity.
- Add Capacity: Add capacity as your processing capacity grows.

