Accelerating the Extraction Process™

ecodyst

12L EcoChyll X3 Hi-Speed Evaporator System

Empowered for High-Speed Solvent Recovery and Decarboxylation in Small to Medium-sized Laboratories

Accelerating the Extraction Process™

For many years, rotary evaporators (rotovaps) have been standard in laboratories and industries that perform chemistry such as laboratories in the pharmaceutical, academic, government, chemical, life sciences, food & beverage, cleantech, materials, environmental and cannabis sectors. Rotovaps consist of a heating fluid bath, rotating motor, evaporating flask, receiving flask, vacuum source and condenser. The conventional rotovap condenser requires an external source of cooling material such as dry ice, liquid nitrogen, water or glycol. Glycol requires additional recirculating equipment.

The EcoChyll® X3 is routinely used downstream of botanical extractions via BHO, CO2, or ethanol. With twin metallic condenser coils, the EcoChyll® X3 carries out continuous direct cooling of incoming vapors in an efficient and environmentally friendly manner. A key performance indicator of the entire EcoChyll® lab equipment range is the ability to free up operator time due to low-intervention requirements. The EcoChyll® X3 enables scientists in smaller facilities to automate their processes, ultimately saving time and money without compromising the quality of your results. Based on the same pioneering technology as our disruptive EcoChyll® range of evaporators, the EcoChyll® X3 bridges the gap between small-footprint lab equipment and the full-scale, high throughout alternatives.

12L EcoChyll X3 Hi-Speed Evaporator

NO Water

NO Dry Ice

NO Glycol

- Smart self-cooling
- Fast rates of evaporation
- High levels of productivity
- Energy efficient
- Eco-friendly, Reliable & Sustainable

Power Supply

1 of 230V, 3 of 115V

1. EcoChyll X3, 230V, 5amps, 1150 watts
2. 12L EcoChyll X3 Digital Temperature Controller. 2 Circuits @770 watts fused, 1540 watts total

Input voltage: 120 Vac, single phase
Power: 15 amps, 1800 watts.

Customer Provides Outlet Receptacles NEMA 5-15R
Cord end plug is NEMA 5-15P

3. Vacuum pump, 115V 150W
4. Overhead Stirrer, 115V 150W

Key Value Prepositions

- Larger load volumes for maximum capacity utilization.
- Bottom oil drain for efficient oil collection and disposal
- Stationary glassware ensuring convenience during use
- Motorized evaporating flask
- Scalable modular system
- Highest ROI

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TESTIMONIALS

"I know I'm not the first to say this but our addition of the X7 was one of best pieces of equipment I've purchased in years. It runs circles around two 100L units from one of the leading companies in the industry and it's the 72L unit. It's refreshing to buy a piece of equipment that actually preforms as advertised."

- Jack Tatum, CEO, Isolera Extracts, North Carolina

"The Ecodyst system allows us to continuously evaporate ethanol during production, with minimal handling due to the inventive drip-feed mechanic. The bottom discharge port and simple operation of the system make it easy to work with during day-to-day operations."

- Ties van de Laar, Ph.D, Senior Researcher, Becanex GmbH, Germany

"I've using Ecodyst's 50 Liter EcoChyll unit for over 2 years now and couldn't imagine life in the lab without it. The advantages it offers over traditional rotary evaporators is truly something special. The condenser coils reach temperature (and hold!) in only 30 seconds cutting down warm up times by about an hour, and the discharge valve not only saves time and energy by not having to pour out of a 50-liter flask, but also allows for Clean In Place (CIP) processes saving even more time and energy that is usually attributed to non-production overhead. We have 2 100 Liter units on the way and I'm never going back to the rotovaps of old."

- Drew Ford, Chief Scientific Officer, Starling Brands, Kase Manufacturing, California

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