

# ecodyst

## 12L EcoChyll X3 Hi-Speed Evaporator System



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

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 throughput alternatives.

### 12L EcoChyll X3 Other size – 20L



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 Propositions

- 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