

# EcoChyll X7 Hi-Speed Evaporator - 100L

## **Specifications:**

### Equipment

- Dimensions (approx.) – 62" L x 30" W x 75" H
- Mobility – All components on locking wheels

### Electrical

- Total power usage – 13.3kW
- Heating mantle – 50amp, 230V single phase line, 11.5kW
- X7 EcoChyll – 15amp 230V single phase line, 1.8kW
- Vacuum pump, stirring rod, liquid transfer pump all use standard 115V (or 230V) lines

### Technical

- Evaporation flask load volume – 100L
- Evaporation flask minimum load volume – 2L
- Receiving keg load volume – 60L
- EcoChyll cooling capacity – *See chart in brochure*
- EcoChyll minimum temperature – -50°C
- Condenser double-coil surface area – ~9,000 cm<sup>2</sup>
- Heating mantle maximum temperature – 250°C
- Overhead stirrer maximum speed – 1800rpm (recommended 150rpm)
- Overhead stirrer maximum torque – 50 in-lbs = 800 in-oz
- Metal parts – Stainless steel 316
- Glass parts – Borosilicate glass
- Sealing and tubing materials – PTFE and FEP
- Warranty\*\* – Two-Years Manufacturer (includes parts & labor, excludes all glass components)

### Compliance

- NRTL-certified to UL 61010-1 electrical equivalent
- GMP compliant for US, EU and Canadian regulations

### Ancillary Systems

- Welch 2028 Diaphragm Vacuum Pump (or pump of your choice)
- Caframo Ultra-Torque Overhead Stirrer
- Welch WOB-L 2511 Piston Pump