ACCELERATING THE PATH TO DISCVERY®

ecodyst

EcoChyll X1 Rotary Evaporator

EcoChyll X1, a powerful small footprint smart self-cooling condenser that upgrades any brand rotovap

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For many years, rotary evaporators (rotovaps) have been a 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 chiller equipment.

Using a proprietary and innovative self-cooling technology, Ecodyst has revolutionized the rotovap to be more efficient, to have a smaller footprint, to have greater output, and to be less expensive to operate. The modern smart self-cooling technology from Ecodyst boosts productivity and prevents productivity downtime. The technology offers a paradigm shift and sets a new benchmark for rotovaps without the use of glycol, dry ice, or water, thus eliminating the major sources of material waste associated with conventional rotovaps.

EcoChyll X1 is a powerful, small footprint smart self-cooling condenser with a large cooling surface area, and it is extremely quiet, efficient and fast. It is ready within 60 seconds of powering it on.

NO Water

NO Dry Ice

NO Glycol

Smart self-cooling

Fast rates of evaporation

Eco-friendly, energy efficient & Sustainable

EcoChyll X1 upgrades any brand rotovap

Evap. temp		Capacity	Power cons.
°F	o C	BTU/h +/-5%	W +/-5%
-40	-40	122	145
-30	-34	482	248
-20	-29	909	339
-13	-25	1257	398
-10	-23	1420	422
0	-18	2034	500
10	-12	2769	573
14	-10	3101	602

Upgrade you rotovap and immediately begin to benefit from the many advantages it offers

Voltage: 100-120 V or 200-240 V, 50/60 Hz
Default Set Temp: -40°C
Operating Temp Range: Ambient .... -40°C