

ecodyst

Modern Rotary Evaporator



Smart
Self-Cooling
Rotovap

hydrogen, a powerful small footprint modern
rotovap invented for scientists by scientists.

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.

The multipurpose hydrogen from Ecodyst is eco-friendly, energy efficient, reliable, and sustainable. This contemporary rotovap also delivers excellent performance, has a smaller footprint, features an extremely efficient always-available built-in condenser, is more economical to operate and decreases evaporation time, which enables researchers to pay attention to more difficult tasks.



Smart self-cooling



Fast evaporation



Small footprint



Energy efficient



Eco-friendly, Reliable & Sustainable

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

Evap Temp	Evap Temp	Cooling capacity		
(°F)	(°C)	Btu/hr +/- 5%	Watts +/- 5%	Power Consumption (W) +/- 5%
-40	-40	620	182	220
-30	-35	835	245	259
-20	-30	1116	327	300
-15	-25	1458	427	343
-10	-20	1857	544	388
5	-15	2322	680	434
10	-12	2844	833	482

Key Features

- ✓ Built-in condenser offers required cooling temp
- ✓ Chemical-resistant condenser coils
- ✓ 5L heating bath, room temp to 180°C
- ✓ LED digital display
- ✓ Motorized evaporating flask lift
- ✓ Speed 20 – 280 rpm, timer, interval operation
- ✓ Up to 3000mL evaporator flask size
- ✓ Chemical-resistant stainless steel spring PTFE vapor tube