ecodyst

Accelerating the Path to Discovery

Modern, high-performance, all-in-one rotary evaporators with self-cooling condenser technology. No chiller. No dry ice.

Faster runs • No consumables • Huge energy savings

Some of our valued customers

Pfizer	J&J	GSK
AstraZeneca	Genentech	Nurix Therapeutics
Merck	Vanderbilt University	Norvatis
UNC Chapel Hill	UC Berkeley	University of Oxford
NC State University	Purdue University	UCLA

A lab at the University of Oxford ran a test to see how much time and energy savings were possible with the Ecodyst. The results are certain to impress you.

Download the study and see their data at ecodyst.com/efficiency.

"The EcoChyll X1 has really accelerated our research because we don't have to wait for dry ice to arrive, it cools really quickly, and it evaporates really quickly. Since we constantly evaporate solvents in this type of research, overall we save a lot of time."

Dr. Vincent Lindsay, Assistant Professor, North Carolina State University

Smart Self-cooling

Fast Evaporation

Small Footprint

Energy Efficient

Eco-friendly

NO Water

NO Dry Ice

NO Glycol

NO Chiller

Dramatically improve run times, reduce operating costs, and never have to change chiller fluids or find dry ice again! Ecodyst's 1H rotovaps are high performance, self-cooling rotary evaporators with a compact footprint. These eco-friendly, energy-efficient, sustainable rotovaps use a built-in condenser which eliminates the need for glycol, water, or dry ice while massively reducing coolant pull-down times.

^{1}H Rotary Evaporators

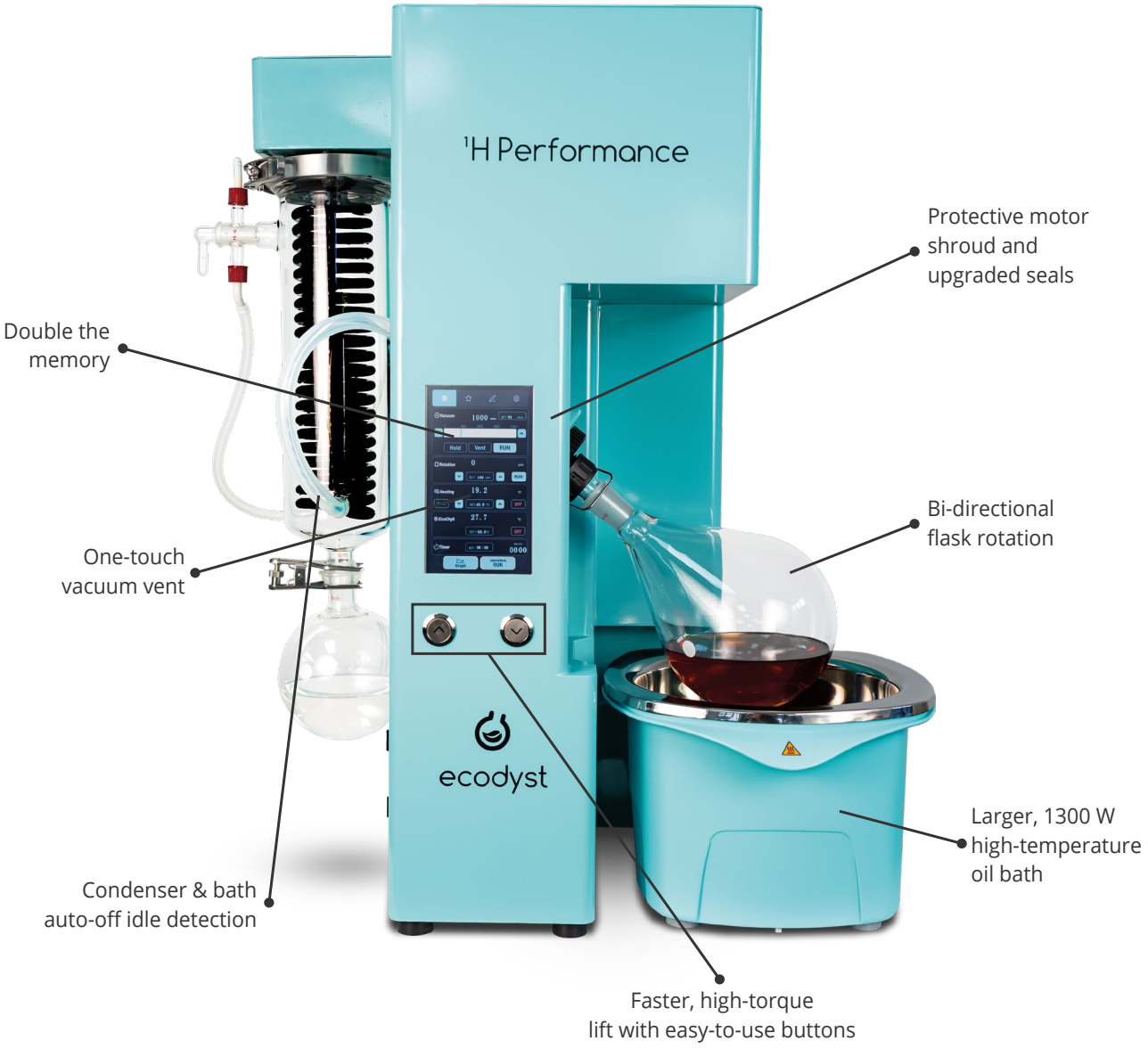
- Built-in condenser cools to -5°C in under 1 minute
- Built-in vacuum controller
- Touchscreen display
- 1.8 ft^2 / 0.17 m^2
- Automatic lift
- Brushless DC motor
- Halar-coated stainless steel coil
- 1483 W cooling capacity @ 20°C
- Two year warranty

The 1H's direct cooling condenser technology achieves a temperature of -20°C in just one minute, allowing you to start your runs almost immediately, then its auto-off idling detection allows you to walk away after you start your run. By eliminating coolant and cutting electricity use by more than half, you will realize substantial operating cost savings. By combining the functions of a recirculating chiller and a rotary evaporator in the same compact body, you save precious lab space and eliminate messy tubing and leaks.

^{1}H Turbo:
Huge feature set at an incredible price

^{1}H Performance:
Unbeatable performance & functionality.

All the features of the ^{1}H Turbo, plus:



Traditional rotary evaporators require coolants, which results in material waste. Ecodyst rotovaps use innovative direct self-cooling technology, reducing cost and eliminating material waste.

Don't Want to Change Rotovaps?

Upgrades any existing rotovap

EcoChyll X1 Benchtop Chiller

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.

- Reduce energy consumption by over 50%
- Eliminate coolant waste & dry ice
- Reduce run times; reaches -10°C in one minute
- Much quieter than recirculating chillers
- Heat transfer superior to any glass condenser

Praise for Ecodyst

"I am a strong proponent of green chemistry and industrial processes. Thus, Ecodyst's unique solution is appealing to me, and I appreciate that the technology does not require a source of water or dry ice, eliminating the major sources of material waste associated with rotovaps. My students are also thrilled that the system is always available and has the ability to achieve temperature in less than five minutes (vs. more than 30 minutes for other technologies). This frees up time for students to focus on their science."

Professor Joseph DeSimone, Stanford University

"My laboratory in the Department of Chemistry at UC Berkeley has been happy to acquire three the EcoChyll and we have been thoroughly impressed with the system's performance. We have found the EcoChyll system to provide superior performance in terms of cooling. Our ability to control the temperature of the cold finger is critical. This has prevented the freezing of condensing solvents, which reduces efficiency. An aspect that we especially like is that the EcoChyll can be used during holidays/weekends when dry ice (for cooling purposes) is not delivered to our department."

Professor Richmond Sarpong, University of California, Berkeley

"My laboratory at NC State University purchased two EcoChyll units, and we have been thoroughly impressed with the system's performance. There is no doubt that the EcoChyll in our lab has significantly simplified our workflow and provided both cost savings and significant convenience as to not have to deal with dry ice. Compared to other chiller systems used previously this product is superior in every way and allows for constant, on-demand cooling at any time of day or night."

Professor Joshua Pierce, North Carolina State University

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