GEN 1000 ECO

Multi-Tier Plant Growth Chamber

CONVIRON®

"In recent trials my rice plants responded rapidly to the ultra-high intensity lighting, flowering within weeks and far outperforming previous results."

The versatile and energy efficient GEN1000-ECO.

NEW

Ultra High Light Intensity
Light intensity as high as 2,050 µmols/m²/sec approximating equatorial and summer maximums

NEW

Lighting Protection
IP65 rated lights provide high resistance to dust and water - enhancing longevity and improving safety for staff

Conserve Energy
The GEN1000 ECO version enables your facility to reduce energy consumption by 50%

Communicate Remotely
With our latest CMP7000 controller and Conviron*Direct* - you can manage your chamber from anywhere on your laptop or phone

1 Tier Option

NEW

Ultra Wide Temperature Range
4 to 35°C lights off and 10 to 45°C lights on - ideal for climate change research and stress tolerance

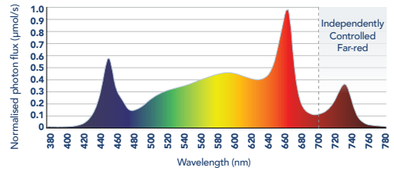
NEW

Astral Photo Period Control
Controls the lighting system to replicate sunlight from a specific region on Earth.

High Humidity
The GEN1000 comes standard with high relative humidity control up to 90%

NEW

Broad Spectrum
Energy saving LEDs with far-red



Need more growth space?

Add up to five tiers:

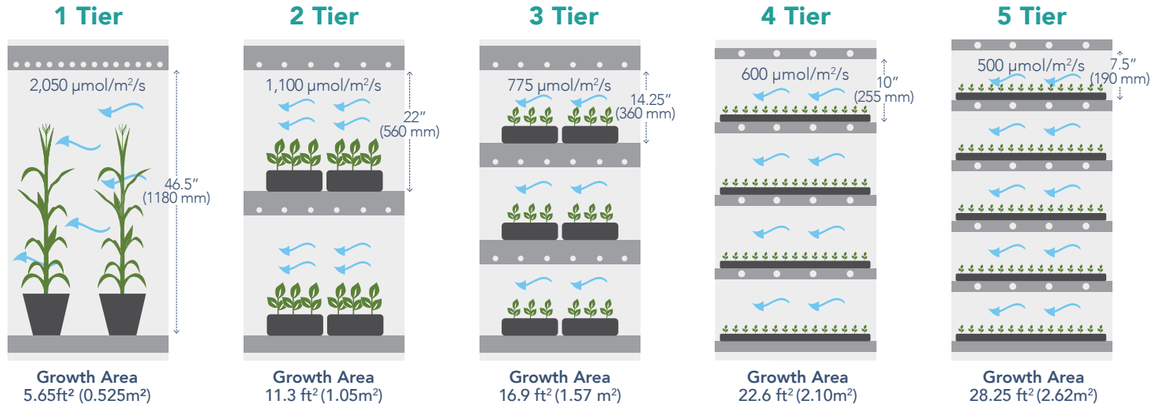
With its unique ability to adapt to different research applications, the GEN1000-ECO offers an economical and flexible solution for extending your research possibilities.

2 Tier | 3 Tier | 4 Tier | 5 Tier

"Able to push the boundaries of light and temperature extremes, the GEN1000-ECO adapts to your evolving research needs—all while using 50% less energy.

Its flexible design accommodates multiple tiers and applications—from tall plants to tissue culture, seed storage, entomology, algae, and phytoplankton. "

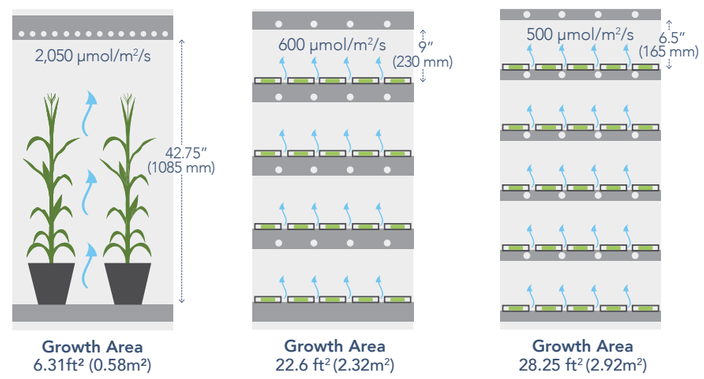
Select up to Five Tiers



Specialized Kits

Tall Plant, Single Tier

Tissue Culture



Why Choose a Specialized Kit?

Also available are three specialized kits for the GEN1000-ECO. Choosing from one or more upward airflow kits can be advantageous for both tall plant and tissue culture applications.

For tall plants, upward airflow can minimize microclimates, especially around dense foliage. For enhanced tissue culture applications, upward airflow can minimize condensation on petri dishes and culture jars, supporting sterile conditions and clear visibility.

Looking to Reduce Energy Use?

Sustainability is a priority for research institutions worldwide. That's why Conviron developed the GEN1000-ECO—an energy-smart growth chamber with a high-efficiency compressor that cuts energy use by up to 50%. A powerful step toward greener research practices.

ECO

Achieve up to 50% energy savings

Extend Your Capabilities with These Options

- UPS surge protection on power supply
- Observation window to ease viewing
- Phenolic-coated refrigeration coil for entomology applications
- Dehumidification
- Condensate pump and drip pan
- Additive CO_2 and control

Advanced Control System

Precision growing starts with your control system. The GEN1000-ECO and every Conviron chamber comes equipped with our most advanced control system – the CMP7000. What sets the CMP7000 apart?

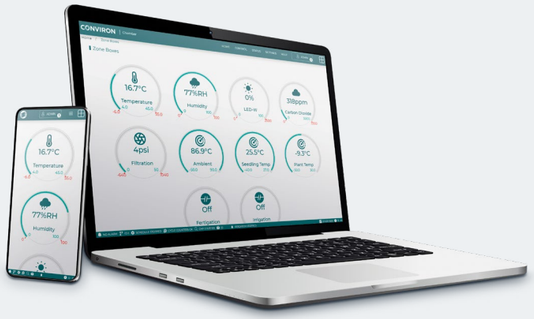
Intuitive Interface
7" full-color, high resolution touchscreen with intuitive graphic interface for easy navigation.

Easy Programming
Extended visibility of multiple timelines and processes.

At-a-Glance Monitoring
Historical trend graphs, vibrant alarm status, and easy-to-track alarm history.

Remote Connect
Option to connect from anywhere on your laptop or any LAN connected device with Conviron*Direct*.

With ConvironDirect I always have access to my chamber — from anywhere.



Why Conviron?

Trusted by Plant Scientists Worldwide.

90+
Countries

90%
of Clients Highly Recommend Conviron

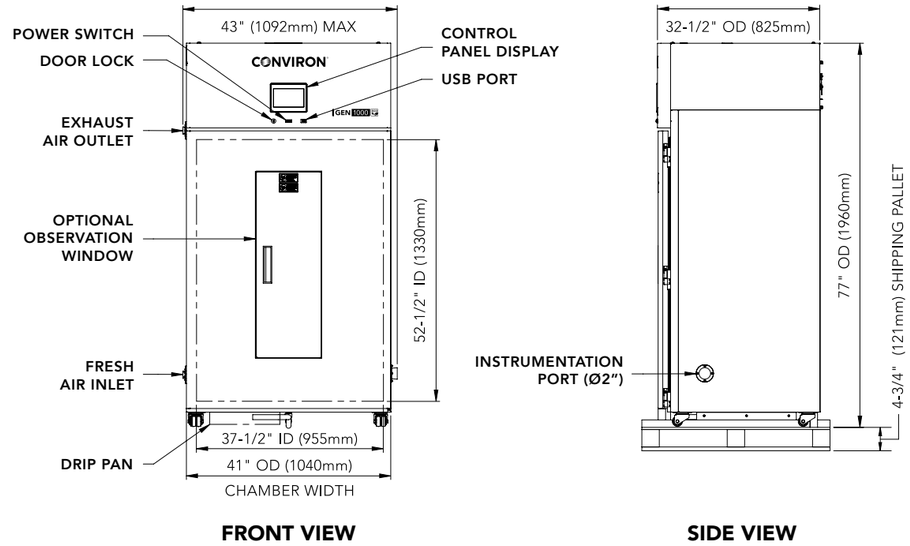
20,000+
Cabinets & Rooms Worldwide

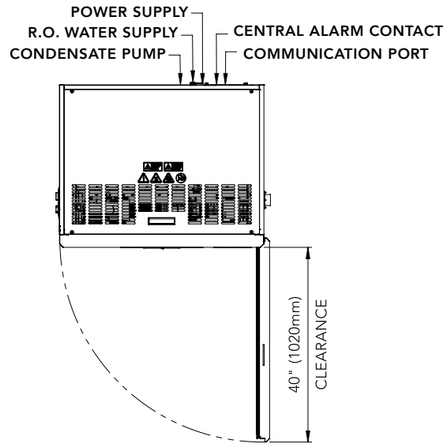
Built for Discovery

Plant scientists around the world have come to rely on Conviron's plant growth cabinets and rooms to deliver repeatable experimentation conditions, accommodate a wide variety of research applications, and drive scientific discovery.

Learn more about the latest research in Conviron chambers.

GEN1000-ECO Reach-in Chamber





TOP VIEW

NOTES

1. REQUIRES A MINIMUM OF 4" (102 mm) FROM REAR OF THE CHAMBER TO BACK WALL. HEPA FILTER AND/OR DUCTED COLLAR OPTION ADDS 2" TO THE OVERALL WIDTH OF THE CHAMBER.
2. LENGTH AND WIDTH DIMENSIONS ±1/4" (6mm). HEIGHT DIMENSIONS ±1" (25mm) DUE TO POTENTIAL ADJUSTMENT OF LEVELING FEET.
3. STANDARD REFRIGERATION SYSTEM IS AIR-COOLED, SELF-CONTAINED. WATER COOLED REFRIGERATION IS OPTIONAL.

GEN1000_ECO Reach-in Chamber

Drawing No. 288765 Rev 1

CE TÜV Management System Certified to ISO 9001

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