

GEN 1000

Multi-Tier Plant Growth Chamber



CONVIRON®

CONVIRON



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

Our most versatile chamber ever.



NEW

Ultra High Light Intensity
Light intensity as high as 2,050 $\mu\text{mol}/\text{m}^2/\text{sec}$ 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 ConvironDirect - you can manage your chamber from anywhere on your laptop or phone



1 Tier Option



NEW

Ultra Wide Temperature Range
4 to 45°C lights off and 7 to 50°C lights on - ideal for climate change research and stress tolerance



NEW

Optional Low Temperature
Conduct cold weather research to +1°C lights on and -5°C lights off

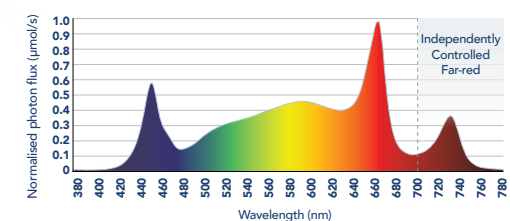


High Humidity

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 offers an economical and flexible solution for extending your research possibilities.



2 Tier



3 Tier



4 Tier

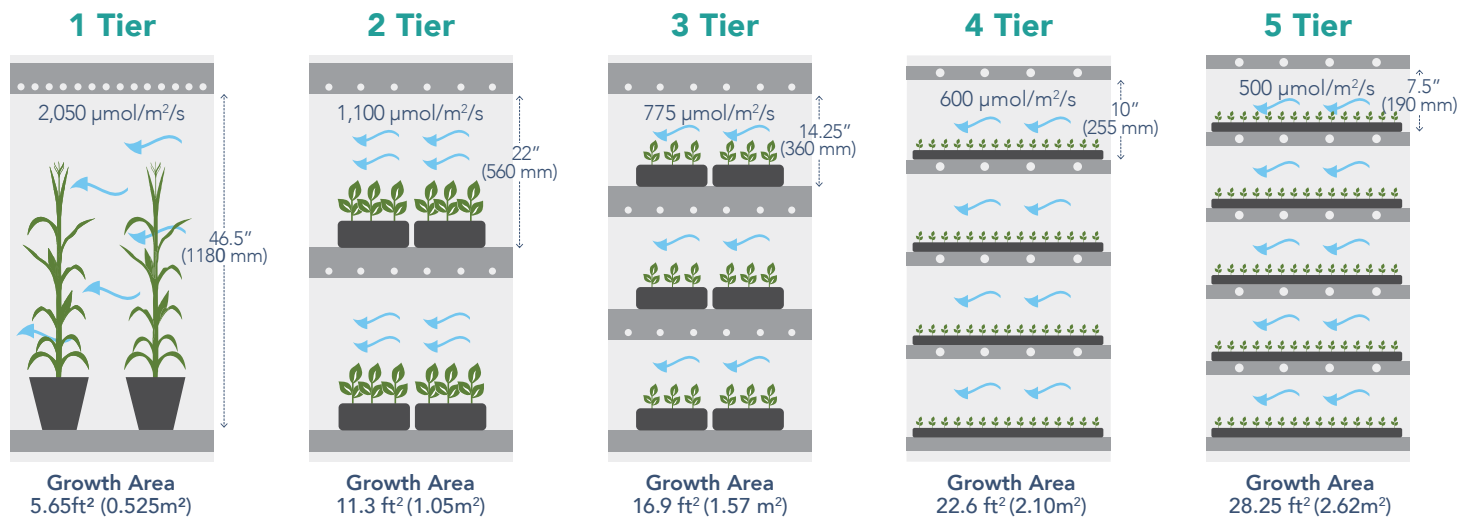


5 Tier

“Able to push the boundaries of light and temperature extremes, the GEN1000 adapts to your evolving research needs.

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

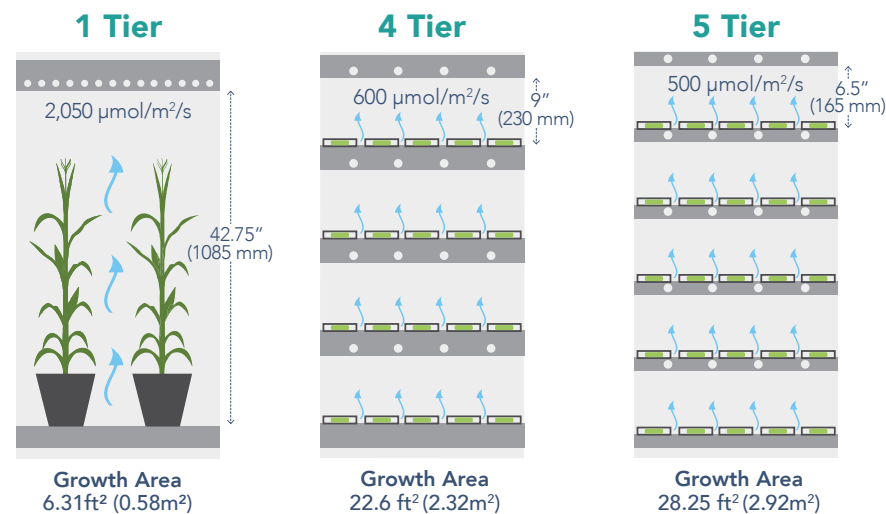
Select up to Five Tiers



Specialized Kits

Tall Plant, Single Tier

Tissue Culture



Why Choose a Specialized Kit?

Also available are three specialized kits for the GEN1000. 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.

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
- Low temperature operation
- Water-cooled condensing unit
- Ultrasonic humidification to 90%RH lights off
- Additive CO₂ and control
- Energy saving GEN1000-ECO



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.



Achieve up to **50%** energy savings



Advanced Control System

Precision growing starts with your control system. The GEN1000 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

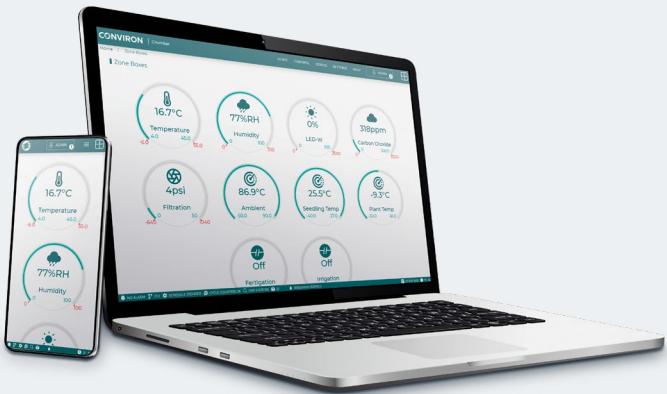
Historical trend graphs, vibrant alarm status, and easy-to-track alarm history.



Remote Connect

Option to connect from anywhere on your laptop or any LAN connected device with ConvironDirect.

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

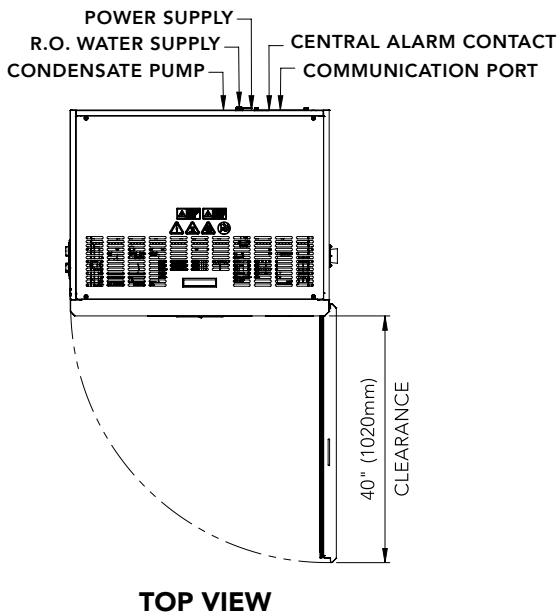
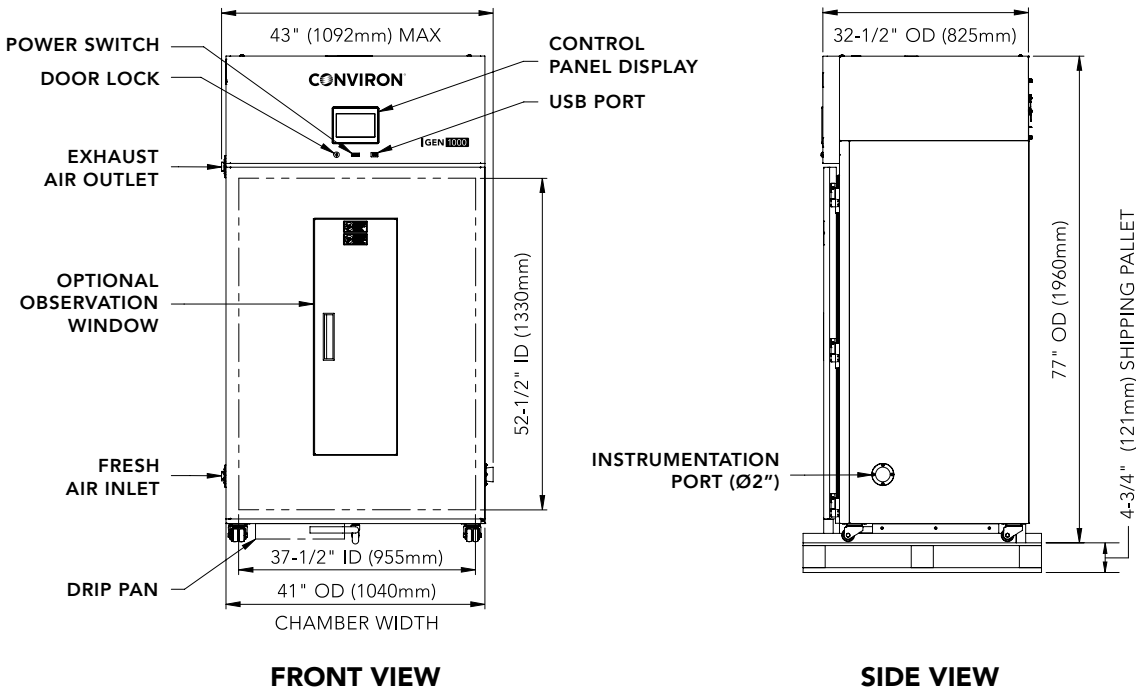
Built for Discovery

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 Reach-in Chamber



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 $\pm 1/4"$ (6mm). HEIGHT DIMENSIONS $\pm 1"$ (25mm) DUE TO POTENTIAL ADJUSTMENT OF LEVELING FEET.
3. STANDARD REFRIGERATION SYSTEM IS AIR-COOLED, SELF-CONTAINED. WATER COOLED REFRIGERATION IS OPTIONAL.

GEN1000 Reach-in Chamber

Drawing No. 288765 Rev 1

CE TÜV Management System Certified to ISO 9001

conviron.com

REF: GEN1000 Data Sheet, 2025, MK0090, rev 15
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