CONVIRON®

Genesis™

Reach-in Plant Growth Chambers

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Space efficient, reach-in growth chambers ideal for a wide range of plants and research applications.

GEN 1000 | GEN 1000 GE | GEN 1000 ECO | GEN 2000

Applications	Short to tall plants, Arabidopsis, germination, incubation, tissue culture, seed storage, entomology, algae and phytoplankton									
Model	TEMP (°C)	1-TIER		2-TIER		3-TIER		4-TIER		5-TIER	
		Growth Height	Growth Area	Growth Height	Growth Area	Growth Height	Growth Area	Growth Height	Growth Area	Growth Height	Growth Area
GEN1000	4-45 Lights Off 7-50 Lights On	46.5″ (1180 mm)	5.65 ft² (0.525 m²)	22″ (560 mm)	11.3 ft² (1.05 m²)	14.25″ (360 mm)	16.9 ft² (1.57 m²)	10″ (255 mm)	22.6 ft² (2.1 m²)	7.5″ (190 mm)	28.25 ft² (2.62 m²)
GEN1000 ECO	4-35 Lights Off 10-45 Lights On										
GEN1000 GE*	4-45 Lights Off 7-45 Lights On	n/a								9.0″ (230 mm)	28.25ft² (2.62 m²)
GEN2000	4-45 Lights Off 7-50 Lights On	46.5″ (1181 mm)	11.3 ft² (1.05 m²)	22″ (560 mm)	22.6 ft² (2.10 m²)	14.25″ (360 mm)	33.9 ft² (3.15 m²)	10″ (255 mm)	45.2 ft² (4.2 m²)	7.5″ (190 mm)	56.5 ft² (5.24 m²)

*Up to 15 tiers available.

Single Tier

Supports maximum growth height and delivers high light intensity for full canopy development of taller plants such as cereal crops.

Multi-Tier

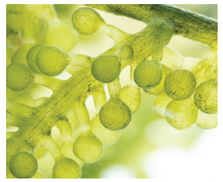
Optimized for cultivating model species such as Arabidopsis under moderate light for studies in plant genetics, physiology, and developmental biology.

Tissue Culture

Provides low-light conditions and multi-tier shelving to maximize propagation capacity. Ideal for plant genetics, micropropagation, and in vitro development.

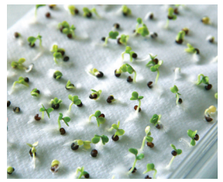
Entomology

Optional phenolic coated refrigeration coils that provide corrosion protection from insect waste and extend the life of refrigeration components.



Aquatic Research

Supports stable temperature ranges, low to moderate light conditions, and photoperiod control required for algae and phytoplankton growth in liquid media.



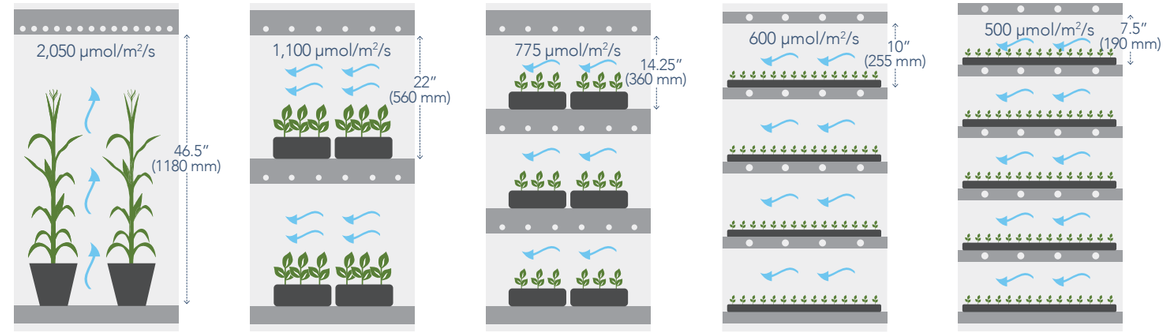
Germination

Assess seed vigor and viability by monitoring germination performance, physiological health and genetic quality of different seed lots.

Need a Chamber That Does It All?

Capable of reaching both temperature and light extremes the GEN1000, GEN1000 ECO and GEN2000 are our most versatile chambers ever. Able to adapt to your changing research requirements they are ideal for short to tall plants, tissue culture, seed storage, entomology, algae and phytoplankton research.

Select up to Five Tiers



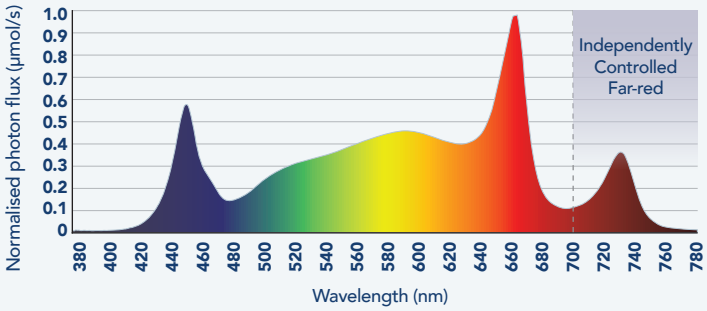
*GEN1000 pictured above. Specialized upward airflow kits also available for tall plant and tissue culture research.

ECO

Interested in Conserving Energy?

The GEN1000-ECO comes standard with horizontal airflow and an energy efficient compressor for up to 50% reduced energy consumption. A powerful step toward greener research and growing practices.

LED Spectrum



Ultra High Light Intensity

Energy saving LEDs with far-red and light intensity as high as 2,050 µmols/m²/sec - approximating equatorial and summer maximums.

Advanced Controls at your Fingertips

All Conviron Genesis™ reach-ins are fully compatible with advanced control options such as Conviron*Direct* or Argus Controls. Take control, convenience and productivity to the next level today.

Built for Discovery.

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

Learn more about **Conviron Genesis™** reach in chambers.

REF: Genesis Brochure, 2025, MK0286, Rev 04