

A1000

MULTI-PURPOSE REACH-IN

One Chamber. **Four** Research Applications.



The Conviron A1000 is a multi-platform chamber that offers the versatility for more than one type of research.

TEMPERATURE

- +4°C to +45°C with control accuracy of $\pm 0.5^\circ\text{C}$ Lights OFF/ON

HUMIDITY

- Up to 90%RH*
- Control accuracy: $\pm 6\%^*$

CAPACITY

- 29.2ft³ (826l)

LIGHTING

- Fluorescent lighting up to 700 $\mu\text{mol}/\text{m}^2/\text{s}^*$
- Optional LED and High light fluorescent lamps*
- Dimmable lighting for AR / IN kits*

MOBILITY

- Casters ease mobility in the lab
- Adjustable leveling bolts to provide added stability

REFRIGERATION

- Top-mounted air-cooled condensing unit with a hot gas bypass system for continuous compressor operation

MAINTENANCE

- Easy access to top-mounted electrical, refrigeration and humidification systems

ACCESS

- Door with light tight magnetic gasket seal and keyed locks
- Observation window

AIRFLOW

- PG Kit - Uniform Upward through Unifloor[®]
- AR / IN Kits - Uniform Horizontal
- TC Kit - Uniform Vertical

UTILITIES

- No connection to floor drain necessary



ADAPTABILITY

- Base chamber can be fitted with one of four specially configured kits



PLANT GROWTH (PG KIT)

- Barriered Canopy removes lamp heat and exhaust it to ambient, allowing for high light intensity and uniformity
- Uniform upward airflow helps provide ideal plant growth conditions



ARABIDOPSIS (AR KIT)

- Maximizes efficiency by providing two fully-usable growth areas with separate lamp canopies
- With horizontal airflow, shelves can be loaded to capacity without obstructing airflow



TISSUE CULTURE (TC KIT)

- Reduces condensation on dishes or vessels
- Delivers precisely controlled vertical airflow to each independently lit and thermally broken tier



INCUBATION (IN KIT)

- Ideal for incubating plantlets and insects
- Provides maximum flexibility with removable and adjustable lamp fixtures and shelves

CE Management System Certified to ISO 9001

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