

NURTURING CLONES

The clone is the most vulnerable stage of the cannabis plant's development requiring high humidity, moderately low light, gentle air movement and consistent temperatures to prevent excessive drying during development of young roots.

Conviron offers high capacity, space efficient propagation chambers that provide *highly uniform* and *precisely controlled* environments for nurturing fresh cuttings. With capacity up to **1300 clones**, these chambers are compact and can be placed – and relocated – anywhere in your facility. With an easy-to-use controller that integrates seamlessly with an Argus control system, cultivators can program their growing regimens and repeat them with confidence.



GEN1000 SH – SINGLE DOOR CLONE CHAMBER

Base Chamber Specifications		Performance (3-tier Set-up)	
Chamber size	41"W x 32½"D x 77"H	Capacity	650 clones
Controller	CMP6060	Light Intensity	150-450µmol/m²/s
Conditioning	Air-cooled DX	Temperature	15°C-30°C
Airflow	Horizontal	Control	± 1.0°C
Lighting	39W T5HO Fluorescent	Max RH lights on	75%
Power (60 Hz)	120-1Ø-2 wire 20A	Max RH lights off	90%
Heat Rejection	8,000 BTU/hr	Clear shelf height	12"



CMP6060 touchscreen display

CHAMBER OPTIONS

- Argus Titan controller
- LED lighting
- Carbon dioxide control
- Dimmable lighting
- Water-cooled condenser



NURTURING CLONES



Cannabis One™ Clone Room

Controlled downward airflow flows uniformly across each shelf to return ducts

For larger-scale operations, Conviron's Cannabis One™ multipurpose grow rooms can be outfitted for clones to optimize floor space while providing high uniformity and control of the cloning environment. Typically integrated into a centralized Argus

CANNABIS ONE™ – CLONE ROOM

Base Chamber Specifications		Performance (3-tier Set-up)	
Chamber size	10'Wx24'L nominal	Capacity	10,000 clones
Controller	Argus controls	Light Intensity	200µmol
Conditioning	Chilled water system	Temperature	15°C-30°C
Airflow	Horizontal	Control	± 1.0°C
Lighting	54W T5HO Fluorescent	Max RH lights on	70%-85%
Clear shelf height	22"	Max RH lights off	90%

OPTIONS

- Nominal 8' incremental room lengths
- Air- or water-cooled DX systems
- LED lighting
- Dimmable lighting
- Carbon dioxide control
- Dehumidification

For advanced environmental performance and research applications, Conviron offers a range of configurable and custom research-grade clone rooms that deliver the highest level of uniformity and control. By actively directing air horizontally from pressurized perforated wall plenums towards the center of the room, clones on every shelf experience the same conditions of temperature and humidity.

Clone rooms can be designed with additive humidity, which provide up to 95% RH and low air flow velocity, which can eliminate the need for the domes on the clone trays.

Advanced Clone Room
Air flows horizontally across shelves



FOR MORE INFORMATION ON CANNABIS ONE™ OR CUSTOM SOLUTIONS FOR CLONES, CONTACT:



www.conviron.com
Winnipeg, Manitoba, Canada
1.800.363.6451



www.arguscontrols.com
Surrey, British Columbia, Canada
1.800.667.2090

December 2, 2019 | MK0061 | V.02

©2019 Controlled Environments Limited. Conviron is a registered trademark of Controlled Environments Limited. Information subject to change without written notice.

Management System
Certified to ISO 9001