



ENVIRONMENTS FOR CANNABIS PRODUCTION

CONVIRON[®]

ARGUS[®]
CONTROLS



WHY CONVIRON AND ARGUS CONTROLS?

RELIABLE PRODUCTION

For cultivators and their team

Count on consistent, repeatable yields that come from unmatched uniformity, precision and control of the growing environment.

REDUCED RISK

For owners and their executive

Be confident in the technology and its installation that leverages over 50 years of providing controlled environments for plant growth.



EXPERTS IN CONTROLLED ENVIRONMENTS

Conviron offers an alternative to greenhouses and traditional build-out methods for indoor cannabis facilities. We've plowed five decades of experience in the design, manufacture and installation of controlled environments for plants into a portfolio of standard, advanced performance and R&D-level grow rooms refined for each stage of cannabis production.



COMPLETE SOLUTIONS FOR YOUR FACILITY

Our solutions are custom, turnkey grow rooms and chambers complete with lighting, airflow, heat exchange, temperature and humidity control, CO₂ control, irrigation and nutrient management options. Our turnkey approach means that clients have a single point of accountability for the entire growth area within a facility, and each room is considered a finished product complete with warranty.

All our rooms are fully integrated with an Argus Controls system for environmental monitoring, control and reporting - customized to allow you to operate your facility **exactly the way you want**.



ENVIRONMENTAL UNIFORMITY + CONTROL = YIELD

Our technology enables growers to develop, refine and repeat specific growing conditions and regimens to achieve specific plant properties and production objectives in every harvest. Our rooms create and sustain precise uniform conditions that result in consistent plant development and quality throughout the space – increasing yield, streamlining workflow, reducing waste and driving more value from every crop cycle.

CANNABIS ONE™ SERIES

Conviron offers a portfolio of chambers and rooms for every stage of cannabis production designed for the requirements of commercial cultivators. Each solution is designed for environmental uniformity, high capacity of plants and the ability to integrate with Argus controls and fertigation systems.



A1000 MULTI-TIER CHAMBER

Footprint	Tissue Culture	Clone
41"x32"	350 jars ¹	650 clones ²

- ¹ 4-tiers, 3" diameter jars
² 3-tiers, 3-72 plug clone trays per tier



A2000 MULTI-TIER CHAMBER

Footprint	Tissue Culture	Clone
84"x32"	700 jars ¹	1300 clones ²

- ¹ 4-tiers, 3" diameter jars
² 3-tiers, 6-72 plug clone trays per tier



MULTIPURPOSE GROWING ROOMS

Footprint	Tissue Culture	Clone	Mother	Veg
12'x24'	9000 jars ¹	15000 clones ²	48 plants ³	3500 plants ⁴
12'x32'	12000	20000	64	5000
12'x40'	15000	25000	80	6000

- ¹ 4-tiers, 3" diameter jars, ² 3-tiers, 12-72 plug clone trays per 3'x8' shelf
³ 8 mother plants per 4'x8' bench, ⁴ 9-4" diameter pots per sq ft on 3'x8' shelves



PRODUCTION SCALE ROOMS

Footprint	Mother ¹	Flower ²
20'x36'	128 plants	256 plants
20'x44'	160	320
20'x52'	192	384
24'x44'	200	400
24'x52'	240	480
24'x60'	280	560
30'x52'	288	576
30'x60'	336	672
30'x68'	384	768

- ¹ 8 mother plants per 4'x8' bench,
² 16 flowering plants per 4'x8' bench



DRYING ROOMS

Footprint	Dry Wt ¹ lbs
8'x16'	120 lbs ²
8'x24'	180 ²
8'x32"	240 ²
12'x16'	240 ³
12'x24'	360 ³
12'x32'	480 ³

- ¹ Dry to 25% of wet weight
² 5-7 days drying
³ 10-14 days drying

ENHANCING THE CANNABIS ONE™ SERIES

Many options are available to configure a chamber or room, such as:

- Full integration with an Argus control system
- Dimmable lighting, fixed and variable LEDs, HPS, CMH and more
- Extended humidity control with additive and dehumidification technologies
- Air- and water cooled condensers and chilled water systems for cooling.



- Custom Control Solutions
- Intelligent Monitoring & Alarms
- Data Acquisition & Analysis
- Nutrient Management
- Remote Access & Control

BE IN CONTROL

Argus provides advanced environmental control systems that are customized to each grower's requirements and are adaptable to their changing needs, enabling them to operate their cannabis facilities **exactly the way they want**. Combining 35 years of controlling greenhouse and indoor growing environments with unique technology for nutrient management, Argus provides a complete controls solution for commercial-scale cannabis production facilities.

Argus' Multi-Feed system provides advanced fertigation capabilities including full single-element dosing options and on-the-fly delivery of multiple stock concentrates in numerous recipes that the grower can define and modify. Multi-Feed systems enable growers to simply dial in and repeat a precision feeding program for every crop while eliminating the costs of premixed nutrients.

ADVANCED PERFORMANCE AND R&D

For advanced environmental performance and research applications, Conviron offers a range of configurable and custom research-grade rooms and chambers that deliver the highest level of control and uniformity. With wider operating ranges and tighter control specifications for temperature, humidity and light, we can provide controlled environments tuned to your specific performance or research needs.



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

CONVIRON®

www.conviron.com
Winnipeg, Manitoba, Canada
1.800.363.6451

ARGUS
CONTROLS

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

April 2, 2018 | MK0064

©2018 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**