



# ENVIRONMENTS FOR CANNABIS PRODUCTION

**CONVIRON**<sup>®</sup>

**ARGUS**<sup>®</sup>  
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, CO<sub>2</sub> 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 <sup>1</sup>	650 clones <sup>2</sup>

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



## A2000 MULTI-TIER CHAMBER

Footprint	Tissue Culture	Clone
84"x32"	700 jars <sup>1</sup>	1,300 clones <sup>2</sup>

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



## MULTIPURPOSE GROWING ROOMS

Footprint	Tissue Culture	Clone	Mother	Veg
10'x24'	6,000 jars <sup>1</sup>	10,000 clones <sup>2</sup>	48 plants <sup>3</sup>	2,500 plants <sup>4</sup>
10'x32'	8,000	13,000	64	3,400
10'x40'	10,000	17,000	80	4,300

- <sup>1</sup> 4-tiers, 2'x4' shelves, 3" diameter jars, <sup>2</sup> 3-tiers, 4-72 plug clone trays per 2'x4' shelf
- <sup>3</sup> 8 mother plants per 4'x8' bench, <sup>4</sup> 9-4" diameter pots per sq ft on 2'x4' shelves



## PRODUCTION SCALE ROOMS

Footprint	Mother <sup>1</sup>	Flower <sup>2</sup>
20'x36'	128 plants	512 plants
20'x44'	160	640
20'x52'	192	768
24'x44'	200	800
24'x52'	240	960
24'x60'	280	1,120
30'x52'	288	1,152
30'x60'	336	1,344
30'x68'	384	1,536

- <sup>1</sup> 8 mother plants per 4'x8' bench,
- <sup>2</sup> 32 flowering plants per 4'x8' bench



## DRYING ROOMS

Footprint	Dry Wt <sup>1</sup> lbs
8'x16'	120 lbs
8'x24'	180
8'x32"	240
12'x16'	240
12'x24'	360
12'x32'	480

- <sup>1</sup> Dry to 25% of wet weight, 10-14 days drying (depends on loading, trimming, strain, etc.)

## ENHANCING THE CANNABIS ONE™ SERIES

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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

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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

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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:**

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**ARGUS**  
CONTROLS

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**Management System  
Certified to ISO 9001**