

Aetrium™ 4

Automated Aeroponic Bloom System



Streamlined Blooming

The **Ætrium 4** is a flowering/blooming system that can accommodate 1-20 large cannabis plant for high yield growth. It encompasses a 17 sq. ft. (1.6 m²) grow plate and is designed to be lit by one standard grow light. The compact, scalable tubs allow growers to assure that all plants get the same irrigation and nutrition.

High Yields

Ætrium 4 provides everything you need to maximize your growth yield potential. From optimized nutrient dosing, aeroponics, and fast turn-around time, **Ætrium 4** is a complete system that brings savings on production costs, energy, and time.

Grow 240-500+ grams per square foot per light* every year and increase your product's THC, terpenes, and CBD levels (vs. cocoa).

*strain dependent



Aeroponic Growth

Aeroponics is widely recognized as the most efficient form of the type of soil-less cultivation known as "hydroponics". Plant roots are hung in the open air and sprayed with nutrient enriched solution. The damp roots in the air maximizes O₂ intake, balancing the CO₂ taken in by the leaves, allowing strong, robust, growth.



Strong &
Healthy Plants



No Soil
To Dispose



Total Control

The **Guardian™ Grow Manager** software provides 24-hour monitoring and control via a pre-configured growth plan. The system uses built-in aqueous and air sensors to measure and control the growth environment. Essentially a full-time "nanny", growers can step away and know that their plants are secure.



24 Hour
Nanny



Facility
Control



Labor
Savings





Lighting Gantry (Optional)

Available in various lighting heights.

Growth Area

Designed to accommodate various strains and growth sizes with anodized aluminum trellis supports.

Growth Tub

Aeroponic system with interchangeable corrosion resistant growth trays.

Aetrium Dosing Base

Fits under the Aetrium Growth Tub and can dose up to 10 tubs in a row.



Guardian™ Grow Manager

The **Guardian™ Grow Manager** constantly controls plant growth and provides a user friendly centralized control console for the grower. Alerts via texts and emails are automatically sent to growers issues are detected in the plant environment.

Modular & Scalable

The **Aetrium 4** rows build out in sets of 2 to 10 tubs. This row system can then scale from hundreds to thousands of lights to meet the changing needs of cultivators.



Optimized Spacing

Aetrium 4's modularity gives you the choice of increasing your canopy space by as much as **133%**. By using the wheels fitted on every system, growers can slide rows for access allowing additional space savings or increased canopy for the same square footage. (Rail systems for easy access are optional)



Rapid Turn Around Time

Ætrium 4 allows quick cleaning and disinfection. Remove any wayward roots, drain the nutrient water, do a quick rinse with sterilizing solution, rinse again, refill with plants, and the system does the rest.



Harvest

Waist-high level tables allow easy harvesting with no soil to remove.

Clean

Remove any wayward foliage, disinfect, rinse, and the system is ready to go.

Refill

Simply place a vegged plant into the tub, and the system takes care of the rest.

Outside Dimensions - 1 Growth Tub

D: 43.5" (1105 mm) x **H:** 33.7" (856mm) x **W:** 57" (1448 mm)

Growth Trays

42' (1080mm) x 54.5' (1386mm) interchangeable corrosion-resistant aluminum alloy tray with 5 rows of 4 holes for 3.75" net pots.

Ætrium Dosing Base

Located under the Ætrium Growth Tub, the dosing base can dose up to 10 tubs in a row.

Automated Nutrients

Monitoring: Readouts come through the Guardian Grow Manager. Parameters include pH, TDS, Water Temperature, and more.

Dosing: 5 different nutrients plus pH up and down.

Nutrient Capacity: The dosing module hold 7 bottles (4x 20-liter [5-gal] and 3x 4-liter [1-gal] bottles) that are automatically dosed according to sensor readings from the Guardian Grow Manager.

Reservoir Capacity: 190 Liters (50 gallons)

Power Requirements: 700 watts (typical), 1100 watts (peak)

Air Monitoring

The air sensors are provided in a separate package and can be positioned strategically in the growth environment. All readings are fed to the Guardian Grow Manager.

Options

Trellis Supports: 23.2' 3' Straight anodized aluminum bars provide solid mountain points for user-supplied trellising material.

Light Gantries: 8' or 10' high light gantries allow users to hang a light above the grow tray. Lights stay centered even when an Ætrium-4s are being moved.

Connections: Growth tubs solidly connect together to form a row that can be dosed by one Ætrium Dosing Base for up to 10 tubs.

Only From



A - 1281 Reamwood Ave. Sunnyvale CA, 94089
E - info@ÆssenseGrows.com
P - Toll Free: +1.800.369.8673
+1.650.564.3058
W - ÆssenseGrows.com

Follow Us

