



EASYROOTS
ENGINEERED ENVIRONMENTS

Engineered Environments
Stronger Roots
Better Growth

Ventilation System

**Intelligent Fresh Air Management
for Modern Cultivation.**

**Fresh Air When You Need It.
Complete Control When You Don't.**

The EasyRoots Ventilation System introduces filtered outside air and controlled exhaust to maintain code compliance, improve environmental flexibility, and provide critical backup ventilation for commercial cultivation facilities.

THE CHALLENGE

Modern Grow Facilities Need More Than HVAC

Cultivation facilities must safely manage fresh air, CO₂, heat, and humidity while maintaining stable environmental conditions.

Without a properly engineered ventilation strategy, these conditions can create critical facility challenges:



CO₂ Safety

Elevated CO₂ levels can impact safety and crop performance.



Code Compliance

Mechanical code requires controlled ventilation for life safety.



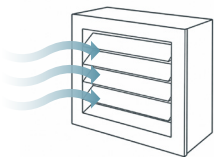
HVAC Failure

Limited ventilation options during primary system downtime.

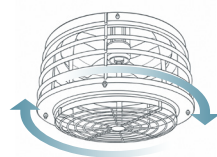
HOW IT WORKS

Intelligent Outside Air Management—The EasyRoots Ventilation System Combines:

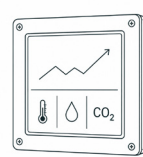
1. PROTECT
Filtered Outside Air



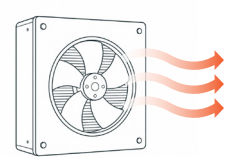
2. MIX
Distribute Fresh Air



3. CONTROL
Temperature • RH • CO₂



4. EXHAUST
Carbon-Filtered Air



Outside air and exhaust are introduced only as operating conditions require, helping maintain environmental control without relying on traditional economizer operation.



PROOF & PERFORMANCE



**Built for Code Compliance
& Operational Resilience.**



**More Functional Than
Traditional Economizers.**



**One System. Multiple
Environmental Safeguards.**

Designed to provide controlled outside air while supporting temperature, humidity, and CO₂ management in commercial cultivation facilities.



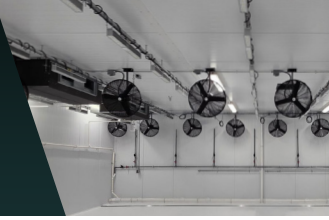
The EasyRoots Difference

Unlike traditional economizers that simply introduce outside air, the EasyRoots Ventilation System integrates filtered intake, carbon-filtered exhaust, environmental controls, and air mixing into one coordinated solution for cultivation environments.

**Smarter Systems.
Lower Costs.
Better Growing
Environments.**

Ventilation System

Intelligent Fresh Air Management for Modern Cultivation



KEY BENEFITS



Purpose-Built for Cultivation

Engineered specifically for controlled growing environments and their unique ventilation demands.



On-Demand Outside Air

Introduces outside air only when operating conditions require ventilation.



Coordinated System Operation

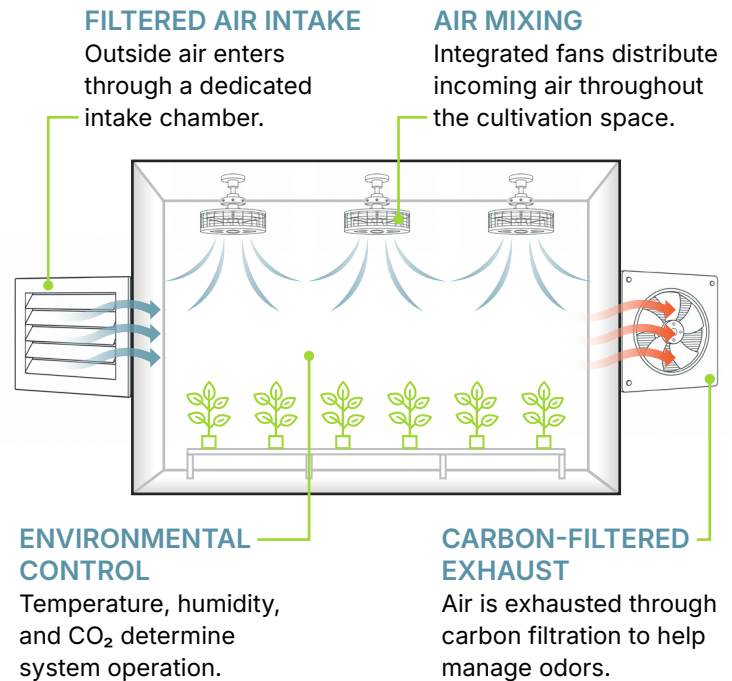
Integrates intake, exhaust, air mixing, and controls into one ventilation strategy.



Flexible System Design

Configurable to facility size, operating requirements, and environmental conditions.

INSIDE THE VENTILATION SYSTEM

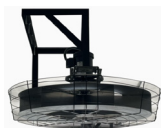


SYSTEM COMPONENTS



Filtered Fresh Air Intake

Introduces outside air through a dedicated intake system.



Integrated Air Mixing

Distributes incoming air throughout the cultivation environment.



Intelligent Controls

Coordinates ventilation based on temperature, humidity, and CO₂.



Carbon-Filtered Exhaust

Provides controlled exhaust while helping manage facility odors.

WHY VENTILATION MATTERS

- ✓ **Meet Code Requirements**
Supports required facility ventilation strategies.
- ✓ **Manage CO₂ Safety**
Provides controlled ventilation for CO₂ management.
- ✓ **Manage Humidity**
Supports environmental recovery during high-humidity conditions.
- ✓ **Control Excess Heat**
Provides another means of removing unwanted heat.
- ✓ **Add System Resilience**
Provides backup ventilation during HVAC interruptions.
- ✓ **Improve Operational Flexibility**
Responds to changing facility and environmental conditions.

