

Airius Air Pear PHI Kit

Wirelessly Managed Thermal Destratification

Description

The PHI Cell uses advanced air purification and oxidation technology to protect against most biological and chemical contaminates within an enclosure. Housed in an Air Pear Thermal Equalizer fan, the PHI Cell works continuously to eliminate bacteria, viruses, mold, gases, odors, and VOCs while dramatically improving air circulation.

The Photohydroionization (PHI) Cell utilizes a broad spectrum, high-intensity UV light directed on a quadmetallic target that produces hydroperoxides. This creates a unique oxidation process that kills microorganisms and neutralizes airborne chemicals, providing for a safer environment as well as clean, odor-free air.

Additionally, while the air is continuously being purified, the space is also being thermally equalized. This improves occupants' comfort by eliminating hot and cold spots, and it reduces energy consumption by balancing the floor and ceiling temperature.

Applications

Destratification fans are suitable for renovation, upgrade, and new construction projects.

- Private & Open Offices
- Corridors & Hallways
- Classrooms & Gymnasiums
- Warehouse Spaces & Manufacturing Areas
- Patient Care Rooms
- Transportation Terminals
- Retail & Grocery Stores



Features

- Option for Air Pear destratification fans that safely reduces airborne bacteria and viruses up to 99%
- Eliminates stale air and odors
- No costly chemicals needed, making the PHI Cell both environmentally friendly & economical to use
- Low maintenance, integral to fans
- Scheduled operation in conjunction with occupancy sensing when used with EnergyCenter control systems
- Uses a high-efficiency rated UV bulb with an estimated life of 25,000 hours—nearly 3 years
- autaniNet secure wireless 2.4GHz communications with network devices
- Designed & Made in the USA





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Specifications

ATTRIBUTES & CHARACTERISTICS

- Creates aggressive advanced oxidation atmosphere
- Kills 99% of bacteria, viruses and mold (surface and airborne)
- Kills 85% of gases and odors

PERFORMANCE

- Estimated life of 25,000 hours (3 years)
- Broad spectrum 100-300 nm HE/UV™
- Low level ozone (0.01 0.02 ppm)

DIMENSIONS & PROPERTIES

Available in 5in (9W), 9in (10W), and 14in (14W)

MATERIALS

- High intensity broad spectrum UV tube (100 300nm)
- Hydrated catalytic matrix cell (Quad-Metallic)
- UV bulb encased in a protective poly tube
- Entire assembly is encased in a protective metal cell

ACCESSORIES & OPTIONS

- Available in Air Pear Model 45
- Short, standard, and extended nozzles
- Works with 120/230/277VAC models

OPERATION

 Designed to operate 24 hours-a-day, 7 days-aweek to protect against airborne mold, bacteria, viruses, odors and VOCs

TESTED AND APPROVED BY

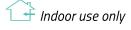
- UL, ETL, TUV, EPA, and CSA
- U.S. Military; U.S. Government GSA
- Canadian, Chinese, and Japanese Governments
- European Union

LIMITATIONS

- Little effect on airborne particulate
- Do not install in environments open to the elements

GENERAL INFORMATION & SAFETY PRECAUTIONS

- Warranty: 3 years; Factory installed
- UV bulb is encased in a protective poly tube to prevent any glass or mercury breakage/leakage



Ordering Information

SKU	Description
A01-08-0002-01	PHI Photohydroionization™ Kit
Optional Accessories	
A01-08-0045-03	Model 45 – 115V-EL-LISA with autaniNet wireless control
A01-08-0045-04	Model 45 – 230/277V-EL-LISA with <i>autaniNet</i> wireless control
A01-08-0045-01	Model 45 – 115V-EL-LISA with autaniNet wired control
A01-08-0045-02	Model 45 – 230/277V-EL-LISA with <i>autaniNet</i> wired control

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