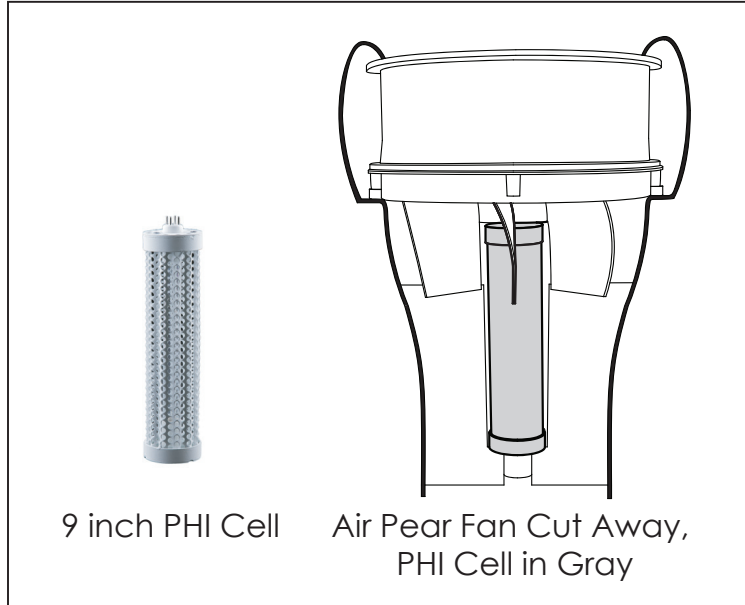




AIRIUS PHOTOHYDROIONIZATION (PHI)
FOR MITIGATING MOLD, BACTERIA, VIRUSES, VOCs & ODORS

MODEL	WATTAGE	LENGTH (INCHES)	FAN COMPATIBILITY
PHI-5-C	9	5	Air Pear or Designer Series, Short nozzle 10, 15 or 25
PHI-9-C	10	9	Air Pear or Designer Series, Standard nozzle 10, 15, 25 or 45



ATTRIBUTES AND CHARACTERISTICS

- Hydro-peroxides, Super Oxide and Hydroxide Ions distributed throughout room using Airius fan system
- Estimated life of 25,000 hours, continuous runtime
- Broad spectrum 100-300 nm HE/UV
- Low level ozone (0.01 - 0.02 ppm)
- Hydrated catalytic matrix cell (Quad-Metallic)
- UV bulb encased in a protective poly tube
- Entire assembly is encased in a protective metal cell
- Works with 120/230/277VAC fan models.

CODE APPROVAL

- UL Listing/Recognition
- CSA Certified

INSTALLATION

- Factory installed within Airius Air Pear or Designer Series fans

WARRANTY

- Warranty - 2 - years parts and workmanship
- Cell replacement recommended after 2 years

ORDERING INFORMATION

- PHI option selected when ordering fans

PHI DESCRIPTION

The breakthrough in the PHI advanced oxidation technologies is a group of oxidants known as Hydroperoxides. Hydroperoxides have been a common part of our environment for over 3.5 billion years. Hydroperoxides are created in our atmosphere whenever three components are present: oxygen molecules, water vapor and energy (electromagnetic). PHI has the ability to create hydroperoxides. Ionized-Hydro-Peroxides are very effective at destroying harmful microbials in the air and on surfaces. As oxidants, they do this by either destroying the microbe through a process known as cell lysing or by changing its molecular structure and rendering it harmless (which is the case in VOC's and odors). The amount of hydroperoxides required to accomplish this task in a conditioned space is well below the level that is constantly in our outside air.

Factory installed broad spectrum HE/UV light targeted on a quad metallic target that produces hydroperoxides. Creates aggressive advanced oxidation atmosphere to kill 99% of bacteria, viruses and mold (surface and airborne) and kill 85% of VOCs and odors. The 5 inch cell is to be used with a short nozzle Air Pear or Designer Series model 10, 15 or 25. The 9 inch cell is to be used with a standard length nozzle Air Pear or Designer Series model 10, 15, 25 or 45.



Air Pear fan discharge outlet showing illuminated PHI cell

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