

DIMENSIONS



PUREAIR PHI STANDARD SERIES RANGE - MODEL 45/PS-4

DESCRIPTION

- Air purification and odour control destratification and airflow circulation fan.
- Features integrated Photohydroionization (PHI) Cell.
- Creates aggressive advanced oxidation atmosphere.
- Floods spaces with airborne hydroperoxides, superoxide and hydroxide ions.
- Broad spectrum HE/UV light targeted on a quad metallic target producing hydroperoxides.

FEATURES

- Kills surface Germs, Bacteria & Viruses by 99%+.
- Kills airborne Germs, Bacteria & Viruses by 97%+.
- Reduces Odours by 99%+.
- Reduces VOCs, gases & Vapours by 80%+.
- Balances internal building temperatures.
- Saves 20% - 50% on heating & cooling costs.

CELL PERFORMANCE

- 25,000 hours (3 yrs) estimated life of continuous runtime.

PROPERTIES

| UNIT SIZE | Standard | |
|-----------|----------------|------------------|
| | Weight: | 6.3 kgs (14 lbs) |
| | Height to Rim: | 455 mm (18 in) |
| | Total Height: | 605 mm (24 in) |
| | Diameter: | 375 mm (15 in) |

| MOTOR | 230V | |
|-------|-----------------------|-------------|
| | Watts* @ 50 hz: | 42 |
| | RPM* @ 50 hz: | 1,450 |
| | CFM* @ 50 hz (m3/hr): | 595 (1,010) |
| | AMPS* @ 50 hz: | 0.19 |

*Motor data provided by motor manufacturer and is subject to change at anytime

| BULB | 5" or 9" Cell | |
|------|---------------|---------------|
| | Length: | 5" or 9" Cell |
| | Wattage: | +9W or +10W |

| COVERAGES | AIRFLOW | |
|-----------|-----------------|---|
| | Ceiling Height: | 8m - 12m (26 - 39 ft) |
| | Nozzle Height: | 7.5m - 11m (24 - 36 ft) |
| | Diameter: | 11m - 13m (36 - 43 ft) |
| | Floor area: | 89m ² - 133m ² (958- 1,432ft ²) |
| | | PURIFICATION |
| | 5" PHI Cell: | 271m ³ (9570 ft ³) |
| | 9" PHI Cell: | 1472m ³ (51983 ft ³) |

*Coverages can vary dependent upon environment and load.

MOTOR

- Single phase, shaded pole, single speed (variable with optional speed control), axial motor.
- Sealed bearings, no lubrication required.

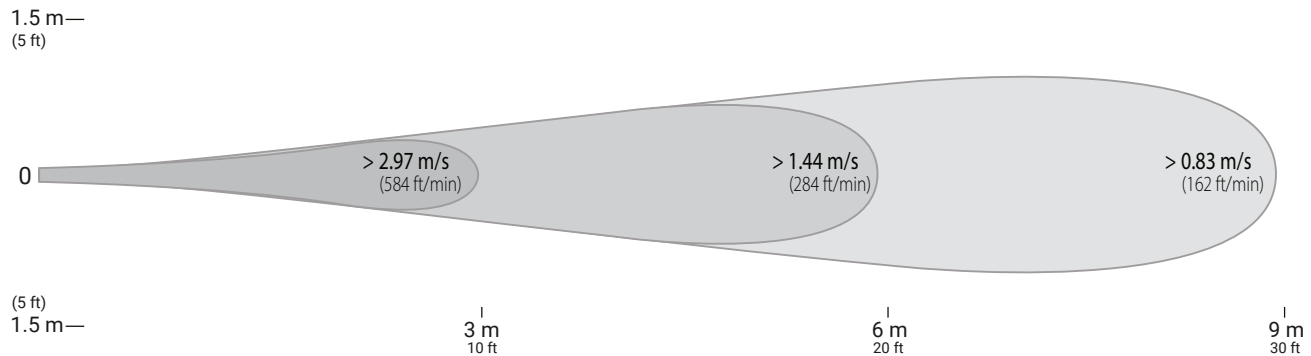


INGRESS PROTECTION

- IP44 Rated.

PROPERTIES

VELOCITY PROFILE



HOUSING & COMPONENTS

- ABS Resin - Inc. internal fixed blade stator.
- 5VA flame resistance rating.
- 1.8m (6') steel safety leash cable (fastened to housing).
- Hydrated catalytic matrix cell (Quad-Metallic).
- UV bulb encased in a protective poly tube & entire assembly is encased in a protective metal cell.

OPERATING TEMPERATURES

- Operating Temp = -25°C (-13°F) to 70°C (158°F)
- Thermal shut off = 135°C (275°F)
- Reset = 125°C (255°F)

NOISE LEVEL

- 3 Metres = 0 - 35 dB(A)

COLOUR

- White as standard.
- Can be tailor painted to your colour specifications.

ACCESSORIES & OPTIONS

- Suspended Series kit - Allows model 45/PS-4 Airius unit to be mounted in a suspended ceiling grid.
- Speed Controls - On/off speed controls allow for variable output from Airius unit. 1 AMP and 5 AMP controls available.

OPERATION

- Designed to operate 24 hours-a-day, 7 days-a-week to protect against airborne mould, bacteria, viruses, odours and VOCs and save heating & cooling costs.

MAINTENANCE

- No maintenance required.
- If the Photohydroionization Cell fails, contact manufacturer.

WARRANTY

- 5 years parts and workmanship from shipping date on fan unit.
- 2 years parts and workmanship from shipping date on Photohydroionization Cell.
- 120 day money back guarantee - UK only (T's & C's apply).

SAFETY PRECAUTIONS

- UV bulb is encased in a protective poly tube to prevent any glass or mercury breakage/leakage.

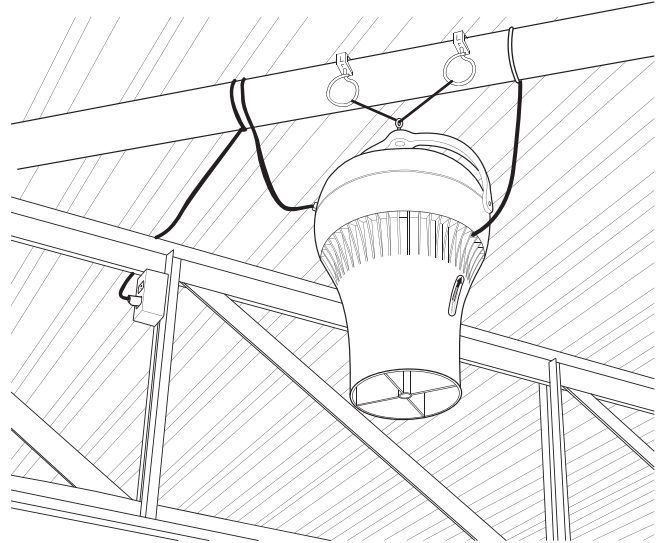
PLACEMENT

PREPARATION

- Install electrical circuit(s) and outlet(s) in accordance with national and local electric codes
- Outlets should generally be mounted vertically unless a "twist/locking" type is being used
- Wall switch may be installed in circuit to disable power and prevent electrical hazards when servicing
- Confirm electrical continuity of Airius unit on the ground before permanently mounting in the ceiling

INSTALLATION

- Hang vertically as high in the ceiling as possible
Typically 300mm (12") - 450mm (18") from the roof deck to intake
- The Airius unit performs best when air column from the nozzle is unimpeded to the floor
- Use professionally installed hardware, capable of supporting a minimum of five times the weight
- Hardware to hang the unit includes but is not restricted to: Hooks, chains, cables, carabiners, bridle rings, beam clamps and bolts
- Density of the placement is directly related to the effectiveness, performance and savings
- Mount out of reach from people and animals
- Floor plans, mezzanines, office locations, machinery, people placement, plumbing, lighting, duct work, electrical systems, natural light/air systems, cranes, doors, windows, ventilation and fire suppression systems are all factors in properly locating the Airius system within the ceiling

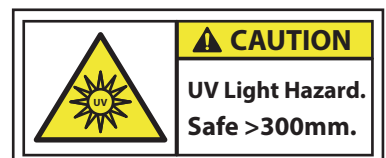


OPERATION

- Designed to operate 24 hours-a-day, 7 days-a-week to maintain thermal equalization/humidity equalization
- Use optional speed control to fine tune RPM if needed

MAINTENANCE

- Frequency of cleaning will vary by application and environment
- You may clean the plastic housing with a damp warm cloth, using mild household detergents
- Do not use petroleum products, thinners or solvents to clean any part of the Airius unit
- If the Airius unit fails, contact manufacturer



Airius LLC, © 2011. All Rights Reserved.

Airius Europe Ltd

Holwell Farm, Cranborne, Dorset BH21 5QP

www.airius.co.uk

+44 (0)1202 554200

Get In Touch

Call: 0845 6880112
Email: info@adremit.co.uk

Our Address

Puravent, Adremit Limited, Unit 5a, Commercial Yard,
Settle, North Yorkshire, BD24 9RH