



IMPROVE SHELF LIFE AND REMOVE UNWANTED ODOURS.

REDUCE WASTAGE BY ELIMINATING BACTERIA AND ETHYLENE GAS.

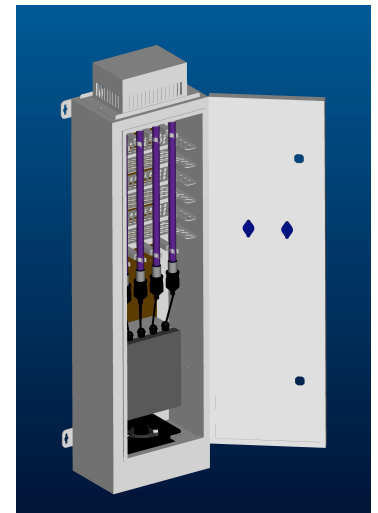
In food preparation and storage spaces, airborne micro-organisms create offensive odours and contaminate food. Bacteria and mould in the air settle on food and result in spoilage. These areas benefit from "clean" air by preventing mould spores settling on food. Maintaining air quality in agricultural, food processing, and storage facilities is vital since workers are confronted with a variety of airborne occupational hazards.

In addition our PCO technology significantly decreases the presence of Ethylene gas, a plant hormone that can induce fruit ripening and undesirable reactions like development of bitter flavors, loss of chlorophyll (yellowing of green leafy vegetables), and increased susceptibility to disease.

AirGuardian uses technology developed by NASA during food growth experiments. The hydroxyl ions produced inactivate and destroys airborne pathogenic organisms such as bacteria, fungi, viruses, as well as their spores. Studies have shown that PCO is more effective than UVGI in killing microorganisms.

PERFECT FOR USE IN

- Cold Rooms
- Food Transport Vehicles
- Dry Stores
- Fruit & Vegetable Displays



BENEFITS OF USING AirGuardian



- IP66 rated for use in cold room environments
- Eliminate bacteria and viruses in the air improving staff amenity
- Destroys mould and fungi
- No chemical or moisture residues
- Tamper resistant rugged stainless steel enclosure
- Low maintenance clean and lamp change once a year

In September 2009 the Health Protection Agency's laboratories at Porton Down performed efficacy testing of the technologies ability to reduce aerosol and surface microbial contamination.

The tests showed a reduction of airborne microorganisms of up to 98.11% within five minutes of exposure and a reduction of surface contamination up to 59.47% in one hour - the surface tests included MRSA.

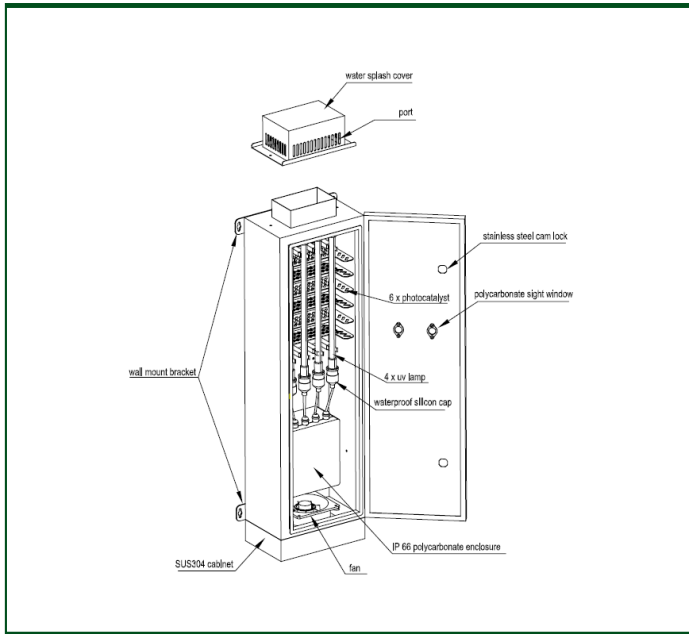
The full HPA report is available free of charge on request.

HOW OUR FRESH FOOD SYSTEMS WORK

Photocatalytic oxidation is simple, relatively new, and a useful technology for air cleaning and disinfection. It is known to destroy even low-level pollutants in air. Near-UV light alone has been demonstrated to kill cells and microorganisms by damaging their cell walls and DNA. Its bactericidal activity is more intensified by using TiO₂ as the photocatalyst. The units should be mounted high on a wall to allow air circulation. They operate continuously so should be wired separately to the lighting system if applicable.

Special purpose units can be supplied to operate on 12/24V for food delivery vehicles.

SERVICING MADE EASY



- Turn off the power and unplug the unit.
- Open the front cover to reveal the lamps
- Gently unplug the old lamps and retain any holding plate
- With a soft brush remove any dust and debris
- DO NOT USE ANY CLEANING PRODUCTS
- Whilst holding the lamp's white base, firmly plug the lamp into its fitment
- Close and lock the cover
- Turn on the power. The lamp's blue light will be visible through the front of the unit.
- DO NOT LOOK DIRECTLY INTO THE LAMP

An AirGuardian unit takes in contaminated air and purifies it using a unique combination of 5 technologies working in tandem:

Internal – (UV) Germicidal Irradiation and Dual Wavebands work to eliminate micro-organisms

Transmitting – Plasma Quattro, (TiO₂) Super Oxide Ions and Triatomic Oxide actively seek and eliminate bacteria, viruses, mould, fungi and volatile organic compounds in the air and on all surfaces.

Dimensions

780mm (w) x 290mm (h) x 152mm (l)

Construction

304SS, all stainless construction

Supply

230 - 240V 65 watts (via 13A switched fuse spur)

Weight

10kg

Set Up

Wall mounted at 4 points

UV-C Lamp

4 x 32w PLL tube at 25,000 uw per sq cm. Lamp life 9000 hours

Operation

Continuous for 20 to 25 m² coverage with ultra quiet fan

For more information call: **1300 556 628**

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The Complete Air Purification Solution

AirGuardian