

Case Study

Air Purification, Infection & Odour Control



Airius PureAir: Essential Virus Protection For Dentists



The Harewood Dental Surgery - Dental Practitioners

Established over 40 years, Harewood Dental Surgery is a Private and NHS Dental Practice based in Surrey, offering a wide range of Preventative, Cosmetic & Restorative Dental treatments.

Challenge

In response to the COVID19 Pandemic Harewood Dental Surgery needed to find a solution to help provide protection and reassurance for their staff and patients against the threat of infection from Coronavirus and other harmful pathogens.

They had researched other air purification systems, but they did not clean surfaces or offer continuous instant protection against contaminants brought in to the Surgery.

Solution

Our Sales and Support Team worked closely with the Surgery to design an Air Purification Solution that met their needs. Incorporating the latest technology, the Airius PureAir Series was specified for installation in each of their Dental Theatres and patient waiting room.

The units were simple to install over the course of 1 day and now provide the client with safe, clean air, eliminating up to 99.99% of all harmful Viruses, Germs & Bacteria.

Benefits

Harewood Dental Surgery are very happy following installation, reassured that they are breathing safe air:

- Kills up to 99.99% Viruses, Germs & Bacteria
- Purifies all air in the space at the same time
- Cleans both the Air & Surfaces
- No filters required
- Instantly attacks new contaminants brought in
- Eliminates unpleasant chemical Odours & VOCs

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Results

Since installation Harewood Dental Surgery have reopened and the results have been fantastic. Not only are the staff happy that they are protected with the latest in air purification technology, but patients are also reassured by the fresh purifying aroma from the PureAir system's active cleaning agents in the air.

Testimonial

"When the Coronavirus pandemic spread to the UK all dental surgeries were forced to close. The risk of becoming a transmission hub in their community was too great.

It was clear that professional bodies were too busy to help dentists and I began to look for cross infection solutions for my own dental surgery. The Airius team were incredibly helpful. They found time to answer my call in person, at a time when no one was picking up the phone.

The team at Airius answered all my questions patiently, and speedily and within a few days they created a bespoke solution for Harewood Dental Surgery. The air filtration units arrived almost immediately. Airius liaised extensively with my electrician for installation making themselves available for all queries in real time.

Whilst UVC air filtration is not the complete solution, it works brilliantly alongside other measures and I have no doubt it has significantly reduced the risk of cross infection of all pathogens at my surgery. It has given staff confidence that working spaces are safer. The gentle background smell of hydroperoxide reminds you that you are entering a clinical space but one in which your health and safety has been given a top priority Harewood.

I would not hesitate to recommend the Airius team for cross infection solutions for your practice."

Dr Maria Moore BDS - Principal Harewood Dental Surgery

PureAir Technology Explained

How does the PureAir Series PHI Cell kill bacteria and viruses in the air and on surfaces?

The PureAir Photohydroionisation (PHI) Cell is a kind of UV light that emits advanced oxidation plasma. Included as part of a fan system, the PHI cell distributes hydro-peroxides, superoxide ions and hydroxide ions throughout the space, neutralising 99% of micro-organisms in the air and on surfaces.

PHI cells produce a group of oxidants known as hydroperoxides. Far from new to our world, hydroperoxides have been around for 3.5 billion years – and today they are commonly used in air purification environments, where they offer an anti-microbial treatment without leaving chemical residues.



Benefits of PureAir Technology

Choosing an Airius PureAir Series destratification fan is a simple way to reduce bacteria, viruses and odours in your environment.

- Continuous air purification benefiting air and surfaces
- Easy to install in any environment
- Kills more than 99% of bacteria and viruses
- Reduces odours by over 99%
- Reduces gases, vapours and VOCs by over 80%
- Kills 78% of microbes in a human sneeze at 3 feet



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Tested and Approved by Leading Agencies



Multiple studies have been conducted on Airius PureAir Series PHI Cell technology and they are widely approved for use to control airborne and surface-based bacteria, viruses, smoke and odours.

- Approved by the USDA, FSIS and FDA for use in food processing plants
- US military approved for use in field hospitals
- Chinese government approved for use in controlling the SARS virus
- Testing carried out by:
 - Kansas State University
 - Midwest Research Institute
 - NELAP Accredited Independent Labs - The NELAC Institute
 - California Microbiology Center
 - IBR Laboratories
 - University of Florida
 - United States Air Force
 - R&D Labs
 - University of Cincinnati
 - Kane Regional Hospital
 - FEMA
 - NEI-Chinese Government

Contact Airius

Airius fans are commonly used to balance temperatures in a wide variety of environments – from care homes to warehouses.

Adding an Airius PureAir Series destratification fan is a simple way to continually clean the air, creating a safer and healthier environment for your residents, colleagues and visitors.

Contact Airius to learn more >>