

Case Study

Air Purification & Ventilation



Airius PureAir: Virus Protection for Bars & Restaurants



Mahou San Miguel (MSM) Bars & Restaurants

Mahou San Miguel is the leading beer company in Spain with a significant international presence in over 70 countries worldwide.

Challenge

With the news of the COVID19 outbreak in March 2020, Mahou San Miguel (MSM) anticipated the impact the pandemic would have on the hotel and restaurant sector and began investigating innovative solutions to purify their spaces.

Their aim was to provide protection for staff and customers against viruses, as well as reduce mould and odour levels in their bars.

Solution

After researching the wide range of air purification systems available, Mahou San Miguel selected the PureAir PHI system because it provided both air and surface disinfection and had been tested and certified to neutralise the SARS-CoV-2 (COVID19) virus.

The system also significantly improved airflow circulation, drying spills quickly and balancing temperatures, reducing HVAC costs.

Results

The effect of Airius PureAir Series may be invisible, but the results are unmissable:

- Continuous 24/7 protection
- 99.9% effective at neutralising COVID19
- Significantly improved ventilation
- Old problem odours removed
- Airborne & surface purification
- Removed mould, damp & condensation problems
- Significant reduction in allergy symptoms
- Improved airflow dries spills quickly



PureAir Technology Explained

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

The PureAir Photohydrolysis (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, super-oxide 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 hydro-peroxides. Far from new to our world, hydro-peroxides have been around for 3.5 billion years – and today they are commonly used in food processing environments, where they offer an anti-microbial treatment without leaving chemical residues.

Benefits of PureAir Technology

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

- Continuous air purification cleaning air and surfaces
- Easy to install
- Kills over 99% of bacteria and viruses
- Reduces odours by over 99%
- Reduces gases, vapours and VOCs by over 80%
- Kills 99% of microbes in a human sneeze within 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 and FSIS 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 purify air and balance temperatures for both heating and cooling applications in a wide variety of environments – from homes to warehouses.

Adding an Airius PureAir Series air and surface purification, infection and odour control ventilation fan is a simple way to continually clean spaces, creating a safer and healthier environment for you, your staff and your customers.

Contact Airius to learn more >>