

Share your workspace with coworkers, not pathogens



Workspaces
Indoor Air Quality

It's All Indoors.

We spend
90%
of our time
indoors*

More than **60%**
of respiratory and gastric
infections are acquired
indoors*

people working in offices with excellent
indoor air quality demonstrate a
61% improved productivity
compared to polluted workplaces**

Offices and co-working spaces bring together people from all over -
how are you keeping them safe?

The Problem

Ensuring worker safety from polluted air
in common indoor areas

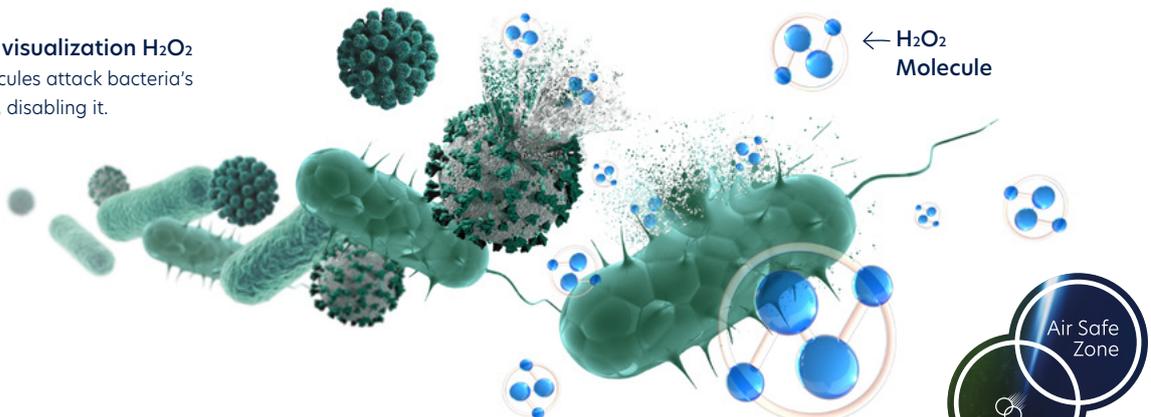
- Airborne diseases are more likely to spread indoors, making commercial environments potential hotspots for **pathogen spread and transmission**.
- Studies have found a correlation between poor air quality in workspaces and **decreased employee performance** and productivity.
- Indoor pollutants can lead to a range of employee **health risks**, including difficulty breathing, nausea, and long-term central nervous system and organ damage.

The Solution

Employee welfare starts with
the air they breathe

- Implementing air cleaner solutions can effectively remove harmful pathogens and create a clean and safe environment for employees and customers.
- Air cleaning measures foster a healthier and more productive work environment.
- There are air cleaning systems that are specifically designed to remove airborne pathogens such as viruses, bacteria and mold.
- Select air cleaning systems that have proven efficacy over time and require no maintenance.

Cell lysis visualization H₂O₂
H₂O₂ molecules attack bacteria's
outer shell, disabling it.



*Source: Bulfone TC, et al. J Infect Dis. 2020;doi:10.1093/infdis/jiaa742.

**Source: Associations of Cognitive Function Scores with Carbon Dioxide, Ventilation, and Volatile Organic Compound Exposures in Office Workers: A Controlled Exposure Study of Green and Conventional Office Environments, Joseph G Allen et al. Environ Health Perspect. 2016 Jun.



TADIRAN AIROW 3™

for Wall-Mounted Air Conditioners

TADIRAN AIROW 3™ is a hydrogen peroxide-based air cleaning device for wall-mounted air conditioners. It is a zero-maintenance solution it is a highly effective against pathogens and has low electricity usage.

It is a unique add-on device that is compatible with mini-split air conditioners, fan coils, PTACs, ceiling cassettes and VRF ductless split systems.



How it Works

TADIRAN AIROW 3™ uses a discharge current to break apart O₂ (Oxygen) molecules into two separate O atoms. The free oxygen atoms, combined with water (H₂O) molecules in the airflow, transform into purifying Hydrogen Peroxide (H₂O₂). The Hydrogen Peroxide is then distributed through the indoor air conditioning unit, traveling into the conditioned space and thus reducing aerosol pathogens.



H₂O₂ Patented Technology



VOC Emission Safe
& Ozone Free



Effective Against
Biological Pathogens



Plug & Play Installation



Zero Maintenance



Low Electricity Usage

Proven to Be Safe

TADIRAN AIROW™ technology was rigorously tested and found to meet the occupational exposure limit of Hydrogen Peroxide as defined by OSHA (7ppb-15ppb vs. 1ppm).

A Wall-Mounted Air Purifier is the Optimal Solution

Beyond protecting your health and ensuring that everyone in your space can breathe easier, a wall-mounted air purifier provides several additional benefits¹:

Improved Efficacy - accessible horizontal and vertical airflow is crucial in order to control airborne pathogens in the room.

Maintenance-Free - TADIRAN AIROW is maintenance-free. There is no need to change parts or call a technician for an annual checkup. It requires zero maintenance.

Space Saving Convenience - no need to place an additional unit, as the air-purifier is installed within a wall-mounted unit or a cassette.

Kids and Pets - out of reach of children and pets.

1. TADIRAN AIROW 3 device was tested in the US-based internationally recognized laboratory Innovative Bioanalysis, which is BSL3 accredited. | 2. TADIRAN AIROW 3 reduced the aerosol of Streptococcus pyogenes in 36 cubic meter test chamber, by 100% within 120 min. | 3. Independent tests commissioned by Tadiran showed that TADIRAN AIROW™ technology eliminated known aerosolized pathogens under optimal testing conditions. To learn more about the tests, visit www.tadiran-international.com/scientific-testing. | 4. Only qualified and licensed HVAC technicians may install TADIRAN AIROW. | 5. TADIRAN AIROW is verified as zero ozone. Does not emit more than 0.005PPM as tested per UL 867. | 6. World Health Organization EPA report on the environment <https://www.epa.gov/report-environment/indoor-air-quality>. Pre COVID-19. | 7. TADIRAN AIROW 3 reduced detected SARS-CoV-2 aerosol levels by 99.93% within 1 hour (16 cubic meter test chamber). | 8. TADIRAN AIROW 3 reduced MS2 levels by 99.994% in 1 hour (1 cubic meter test chamber). | 9. TADIRAN AIROW 3 reduced detected Bacteria Staphylococcus epidermidis aerosol levels by 99.994% within 1 hour (1 cubic meter test chamber) | 10. TADIRAN AIROW 3 reduced Aerosol of Blue Mold by 99.4% within 3 hours in a 25m³ chamber. | 11. TADIRAN AIROW 3 creates <15 ppb H₂O₂ based on a test conducted by LSC Laboratory inc. | 12. TADIRAN AIROW 3, tested by TUV and Intertek, does not emit more than 0.005PPM. | 13. All pictures shown are for illustration purposes only. Actual product may vary.

02.04.2024

