Airow 3 Hydrogen Peroxide Air Cleaner

TADIRAN Airow 3™ is a unique Hydrogen Peroxide Air Treatment System designed to reduce airborne pathogens in your home. With its robust design and effective air treatment capabilities, Airow 3 reduces SARS-CoV-2, viruses, bacteria, and mold* to promote a healthier indoor environment. Speifically designed for mini-split AC systems and ceiling cassettes, Airow 3 safely operates without emitting ions, requires no maintenance, and is incredibly easy to install with its plug-and-play functionality.

Features

- Reduces up to 99% of bacteria, viruses, and mold
- FDA-cleared testing lab has thoroughly tested and approved its effectiveness
- Utilizes best-in-class air treatment technology, taking a proactive approach to treat the air
- Requires zero maintenance and no upkeep, ensuring a hassle-free operation
- Maintains lasting effectiveness, even when the AC system is turned off
- Simple installation process for convenient setup
- Applicable in various settings: residential homes, commercial spaces, schools, new construction, hotels, senior living facilities, and more
- Zero Ozone

Field Controls Lab Tested and Verified

ZERO OZONE

certified WBENC WOMEN'S BUSINESS ENTERPRISE

FIELDCONTROLS AIR TREATMENT

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How It Works

TADIRAN AIROW 3™ uses a discharge current to break apart Oxygen (O_2) molecules into two separate O atoms. The free oxygen atoms combine with water (H_2O) molecules in the airflow and transform into purifying Hydrogen Peroxide (H_2O_2). The H_2O_2 is then distributed into the indoor space by the air conditioning unit. When the H_2O_2 encounters viruses, bacteria, mold, or other airborne contaminants, it breaks down the exterior structures, thus inactivating and reducing aerosol pathogens.

Backed By Science

Bioaerosol Type	Species/Protocol	Testing Lab	Results
Bacteria	Streptococcus pyogenes (Group A) Chamber size: 36m³, after 120 min	Innovative Bioanalysis Labs, USA	100% [2]
	Staphyloccocus Epidermis vegetative (+) Chamber size: 1m³, after 60 min	Aerosol Research and Engineering Laboratories, USA	99.994% [9]
Virus	SARS-CoV-2 Chamber size: 16m³, after 60 min	Innovative Bioanalysis Labs, USA	99.93% [7]
Virus	RNA Virus MS2 Bacteriophage Chamber size: 1m3, after 60 min	Aerosol Research and Engineering Laboratories, USA	99.994% [8]
Mold Spore	Blue Mold (Penicillium Citrinum) Aerosolized Chamber size: 25m3, after only 3 hours	Kitazao Laboratory, Japan	99.4% [10]
Ozone Emission	UL 867 Section 40	INTERTEK	<5 ppb [5] Tested

[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 H_2O_2 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.

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