



TADIRAN AIROW™
Hydrogen Peroxide Aerosol Disinfectant

Any Space Can Be
a Safe Place.

Tadiran is Leading the Future of Air

Our vision is to have a positive impact on people's health and quality of life through innovative, environmentally friendly technologies that provide improved indoor air.

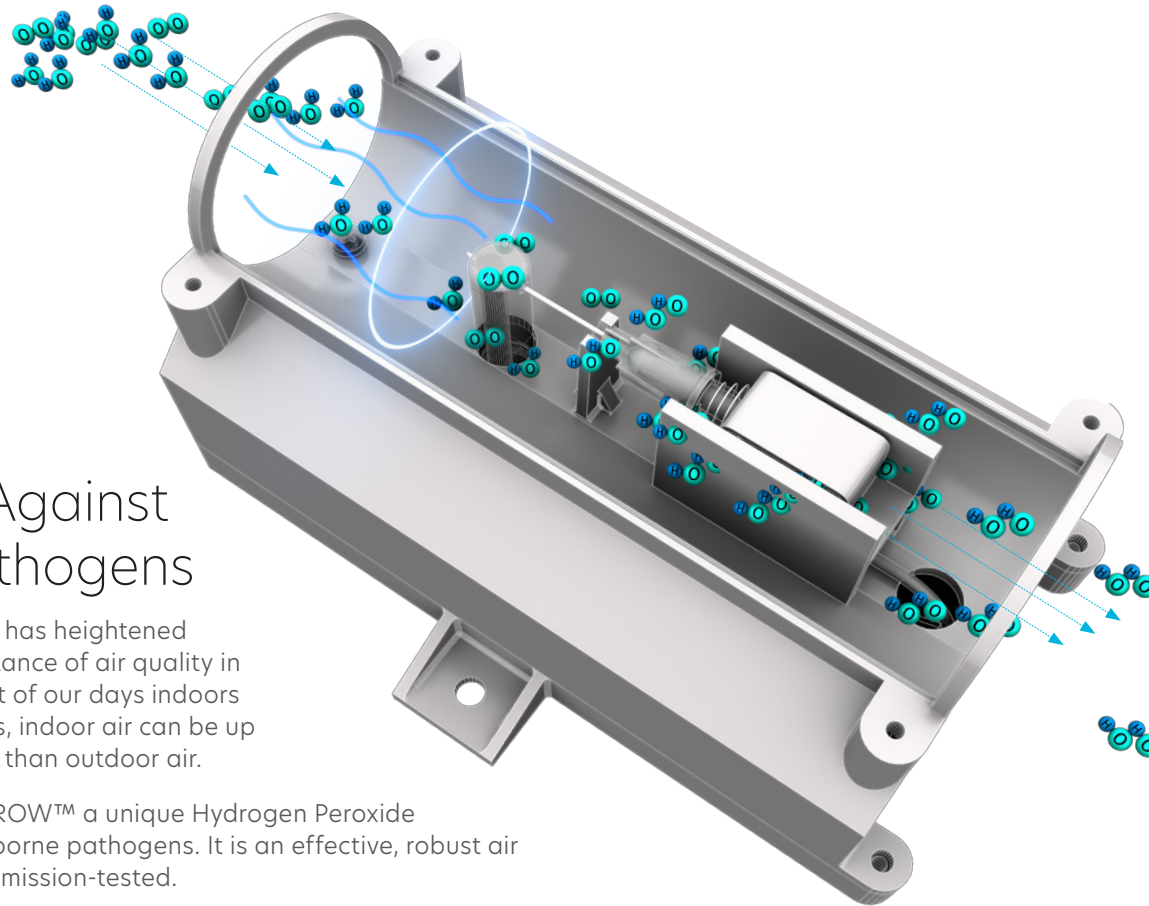
For over 60 years, as an industry leader, Tadiran group has applied its engineering knowledge to the development and manufacture of world-class trusted air conditioners. Now, we are putting our expertise towards air quality technologies, because nothing is more important than the air we breathe.

Welcome to the future of air.



TADIRAN AIROW™

Hydrogen Peroxide Aerosol Disinfectant



A Remedy Against Harmful Pathogens

The COVID-19 pandemic has heightened awareness of the importance of air quality in our lives. We spend most of our days indoors and according to studies, indoor air can be up to 5 times more polluted than outdoor air.

Introducing TADIRAN AIROW™ a unique Hydrogen Peroxide purifier that reduces airborne pathogens. It is an effective, robust air purification that's VOC emission-tested.

TADIRAN AIROW™ devices provide powerful air purification, eliminating certain known aerosolized pathogens including COVID, viruses, bacteria, and mold¹. It has no ion emissions, requires no maintenance, is plug-and-play, and consumes very little energy.



Pathogens Disinfectors

TADIRAN AIROW™ line of products are Hydrogen Peroxide-based air purification devices for indoor spaces. The TADIRAN AIROW 1™ is designed for easy installation² into any ducted HVAC system, is a Zero Ozone Verified³ device, requires no maintenance, and consumes minimal energy, and the TADIRAN AIROW 3™ is the only H₂O₂ based air-purifier for wall-mounted A/C.



Indoor Air Quality Matters

96%

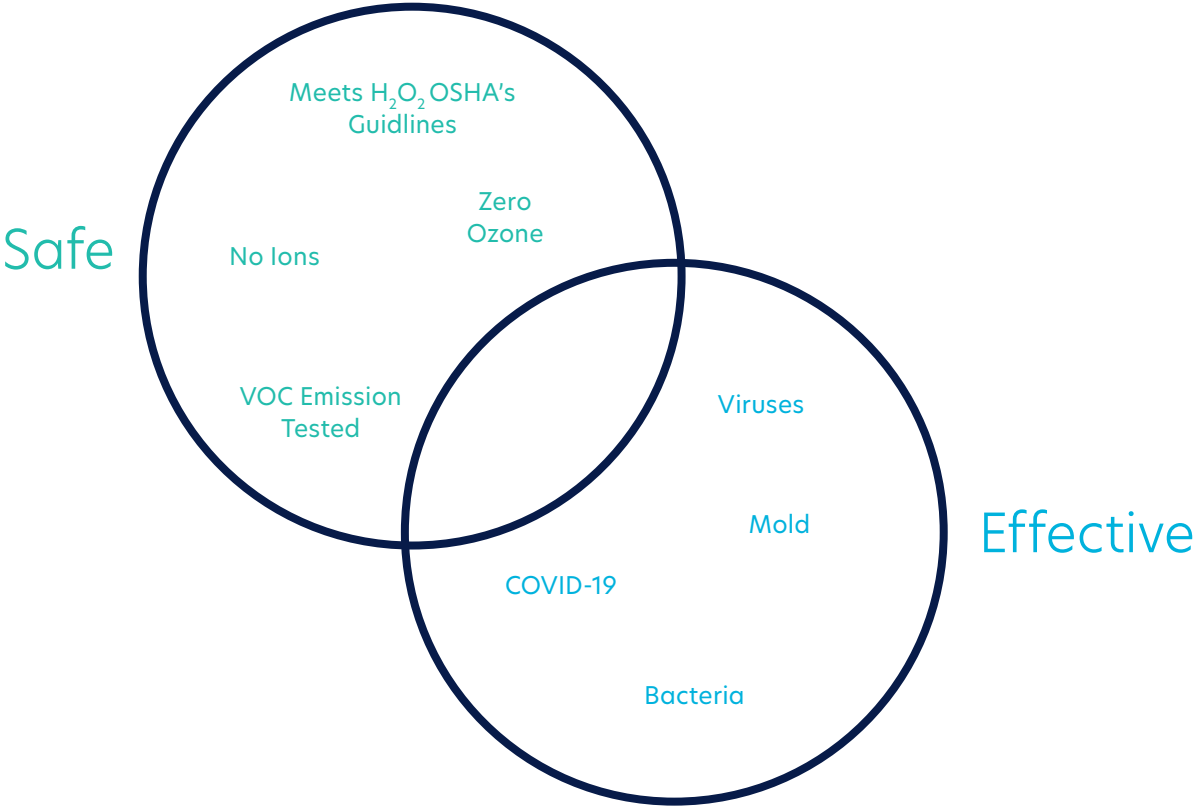
of all homes
are polluted⁴

90%

of our time is
spent indoors⁴

WHY CHOOSE WHEN YOU CAN FUSE?

The Effective and Safe Choice



H₂O₂
Patented Technology



VOC Emission Safe⁵
& Ozone Free³



Plug & Play
Installation²



Highly Effective
Against Biological
Pathogens



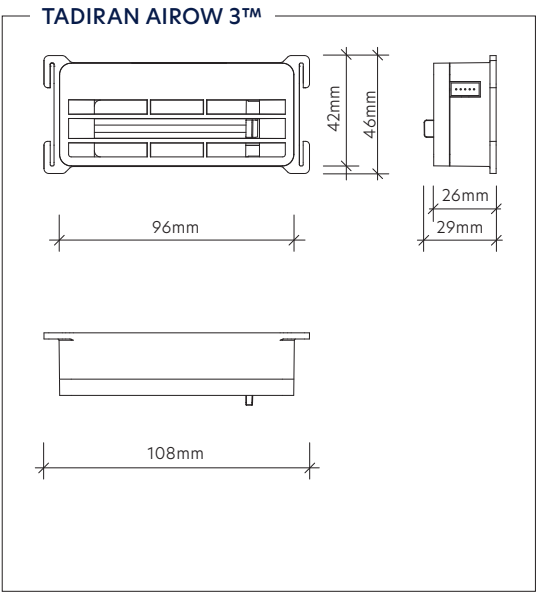
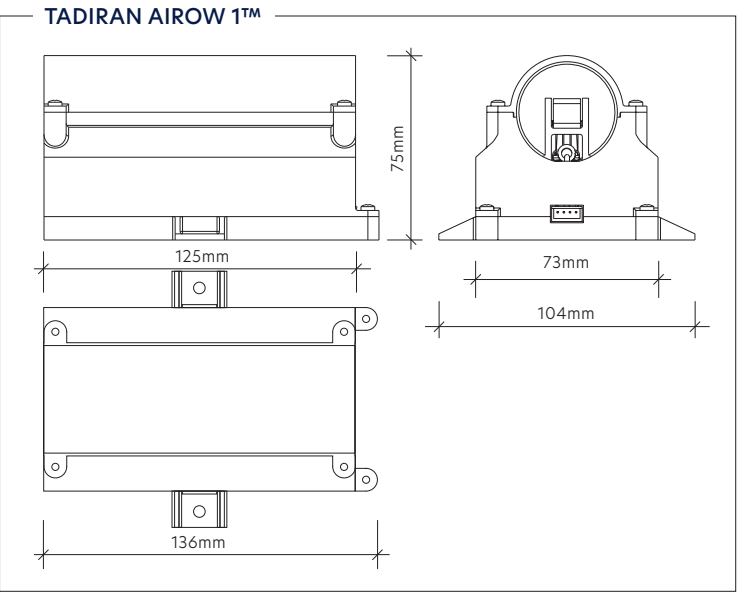
Zero
Maintenance



Low Electricity
Usage

PRODUCT SPECS

		TADIRAN AIROW 1™	TADIRAN AIROW 3™
Electrical	Power Supply Input Voltage	100 to 240 VAC	100 to 240 VAC
	Power Supply Output Voltage	12 VDC \pm 5%	12 VDC \pm 10%
	AC Power Consumption	3 W Max	3 W Max
	Device Power Consumption	1 W Max	1 W Max
Mechanical	Weight	300g	100g
	Dimensions	136 x 104 x 75mm	108 x 46 x 29mm
	Housing Material	ABS Plastic	ABS Plastic
	Color	White	White
Environment	Operation Temperature	-5°C to +55°C	-5°C to +55°C
	Operation Humidity (Non-Condensing)	20%-90%	20%-90%
	Air Flow Rating	2718 m³/H	2718 m³/H
Features	Maintenance Free	Self-Cleaning Mechanism	Zero Maintenance
	LED Indication	Green: Proper Operation / Red: Failure	Green: Proper Operation / Red: Failure
Gas Emission	Hydrogen Peroxide Concentration	<=15 ppb	<=15 ppb
	Ozone Concentration	<=5 ppb	<=5 ppb



BACKED BY SCIENCE

Product	Bioaerosol Type	Species/Protocol	Testing Lab	Results
TADIRAN AIROW 1™	COVID	SARS-COV-2	Innovative Bioanalysis	99.998% ⁶
	Virus	Phi6	Campden BRI Chamber size: 30m ³	99.5% Reduction ¹¹
		RNA Virus MS2 Bacteriophage	Aerosol Research and Engineering Laboratories	99.98% ⁷
	Bacteria	Staphylococcus Epidermis vegetative (+)	Aerosol Research and Engineering Laboratories	99.9% ⁸
	Mold Spore	Aspergillus Niger	Aerosol Research and Engineering Laboratories	98.93% ⁹
	Volatile Organic Compounds (VOC)	Method TO-15	EMSL Analytical laboratories	VOC emission safe ⁵
	Formaldehyde	Method 2016	EMSL Analytical laboratories	Reduction in levels of Formaldehyde ⁵
	Hydrogen Peroxide	OSHA 1019	LCS Laboratory-Canada	<15 ppb ¹⁰
TADIRAN AIROW 3™	Ozone Emission	IEC 60335-2-65 UL 867, UL2889	TUV/Intertek	<5 ppb ³ Verified Zero Ozone
	Virus	RNA Virus MS2 Bacteriophage	Aerosol Research and Engineering Laboratories	99.994% ¹²
	Bacteria	Staphylococcus Epidermis vegetative (+)	Aerosol Research and Engineering Laboratories	99.994% ¹³

Patented Method of Use

Europe Patent No. 3612311 (Pending)
USA Patent No. 11.135.334

Patented Self-Cleaning Mechanism

Europe Patent No. 3743196
USA Patent No. 9.630.185



Meets California ozone
emissions limit: CARB certified.



¹ Independent tests commissioned by Tadiran showed that TADIRAN AIROW 1™ technology eliminated known aerosolized pathogens under optimal testing conditions. To learn more about the tests, visit www.tadiran-international.com/scientific-testing. ² Only qualified and licensed HVAC technicians may install TADIRAN AIROW. ³ TADIRAN AIROW is verified as zero ozone. Meets UL 2998, does not emit more than 0.005PPM as tested per UL 867. ⁴ World Health Organization EPA report on the environment <https://www.epa.gov/report-environment/indoor-air-quality>. Pre COVID-19. ⁵ TADIRAN AIROW shows no significant change in VOC concentration tested in a conference room approximately 380 sq ft. ⁶ TADIRAN AIROW reduced detected SARS-COV-2 aerosol levels by 99.998% within 1 ½ hour (1 cubic meter test chamber). ⁷ TADIRAN AIROW reduced MS2 levels by 99.98% in 1½ hours (1 cubic meter test chamber). ⁸ TADIRAN AIROW reduced Staphylococcus Epidermidis by 99.9% in 1½ hours (1 cubic meter test chamber). ⁹ TADIRAN AIROW reduced levels of Aspergillus Niger by 98.93% in 2 hours (1 cubic meter test chamber). ¹⁰ TADIRAN AIROW creates <15 ppb based on a test conducted by LSC Laboratory inc. ¹¹ TADIRAN AIROW 1 reduced levels of Phi6 by 99.5% in 2 hours (30 cubic meter test chamber) ¹² TADIRAN AIROW 3 reduced MS2 levels by 99.994% in 1 hour (1 cubic meter test chamber) ¹³ TADIRAN AIROW 3 reduced Staphylococcus Epidermis levels by 99.994% in 1 hour (1 cubic meter test chamber).



TADIRAN

www.tadiran-international.com | info@tadiran-international.com

For more details regarding Terms and Conditions and Privacy Policy, visit our website: www.tadiran-international.com
Copyright © 2022 - Tadiran International. All rights reserved. This document may be revised by Tadiran at any time.