



airgle®

Precisely Pure

Airgle Clean Room Air Purifier

For
Healthcare Applications



Purified Air for Healthcare Settings

Sanitizing surfaces is necessary but not sufficient in the fight to halt the spread of HAIs and infectious diseases such as COVID 19. Viruses and bacteria that are airborne, or can become airborne – for example when bedding is changed – need to be removed from the air to limit cross-infection.

Proper air purification to remove viruses and bacteria from the air can reduce cross-infection and HAIs. Studies have shown that non-biologic micro and nanoparticles in the air increase the likelihood of a patient developing pneumonia, therefore, for best patient outcomes, particulate matter should also be removed from the air.

In addition to potentially impacting patient morbidity rates, exposure to viral, bacterial and other contaminants, such as VOCs in the air can have significantly negative impact on hospital employees. Doing everything possible to provide purified air can help reduce employee health concerns.





Airgle Corp is proud of our partnership with the American Lung Association and the important clean indoor air initiatives we share.



AG600/900

Air Purification Designed for Hospitals

The Airgle AG600 and AG900 are air purifiers specifically engineered to help with airborne infection control at hospitals, clinics, dental practices, and other healthcare facilities. Additionally, they are FDA-cleared as Class II Medical Devices.

The AG900 has 4.4lbs of activated carbon to remove odors and VOCs and the AG600 has 2.2lbs. The cHEPA filter removes particles including nanoparticles as small as 3nm (0.003 μ m) with a 99.999% efficiency¹. Nanoparticles, such as viruses, which can pass through ordinary filters and may remain airborne almost indefinitely, are captured by our cHEPA filter. Finally, the patented Titanium Pro[®] photocatalytic oxidation (PCO) module generates hydroxyl radicals to destroy harmful organics².

The Airgle AG600 and AG900 are remarkably quiet and are easy to move around on their integrated casters. They are perfect for treatment rooms and for waiting rooms where airborne cross-infection is a concern.

Medical-Grade Air Purification Technology for use in critical areas to remove

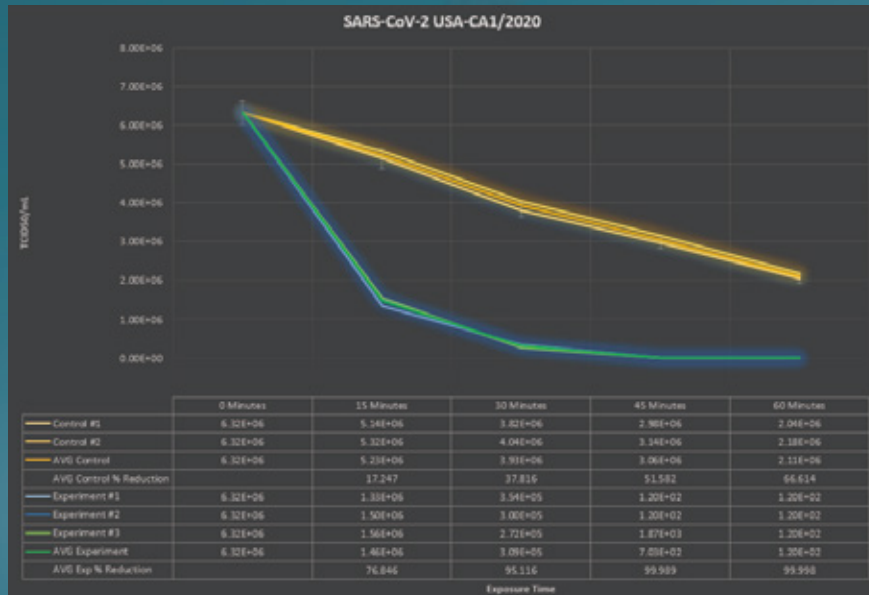
- Particles
- Viruses, Bacteria, Microbes
- Chemicals

1) Third party permeability testing.

2) Thousands of research papers detail the ability of hydroxyl radicals to inactivate or destroy viruses, bacteria, VOCs and other organic materials in the air and on surfaces.

AG900: COVID-19 (SARS-CoV-2) virus reduction of 99.998%

(below the sensitivity limit of detection equipment)



- Purpose
To evaluate how much airborne virus can be removed by operating the AG900 product
- Testing organization
Certified BSL-3 laboratory in the United States
- Date of test
June 14, 2021
- Equipment Tested
Airgle AG900 Air Purifier
- Sample Virus
SARS-CoV-2 USA-CA1/2020

COVID-19 (SARS-CoV-2) virus

Test Results

The Airgle AG900 air purification device performed to manufacturer's specifications and demonstrated a reduction to below testing equipment sensitivity of greater than a 99.998% reduction of recoverable active SARS-CoV-2 virus in the air after 60 minutes of operation. There was no cytopathic effect in the lowest concentration of vero e6 cells, indicating a SARS-CoV-2 virus concentration lower than the limit of detection after a 21-day incubation.

The overall dimensions of the test chamber were approximately 20'x8'x8' with a displacement volume of 1280 cubic feet. Based on cubic foot volume the chamber had 36,245.56 liters of air.

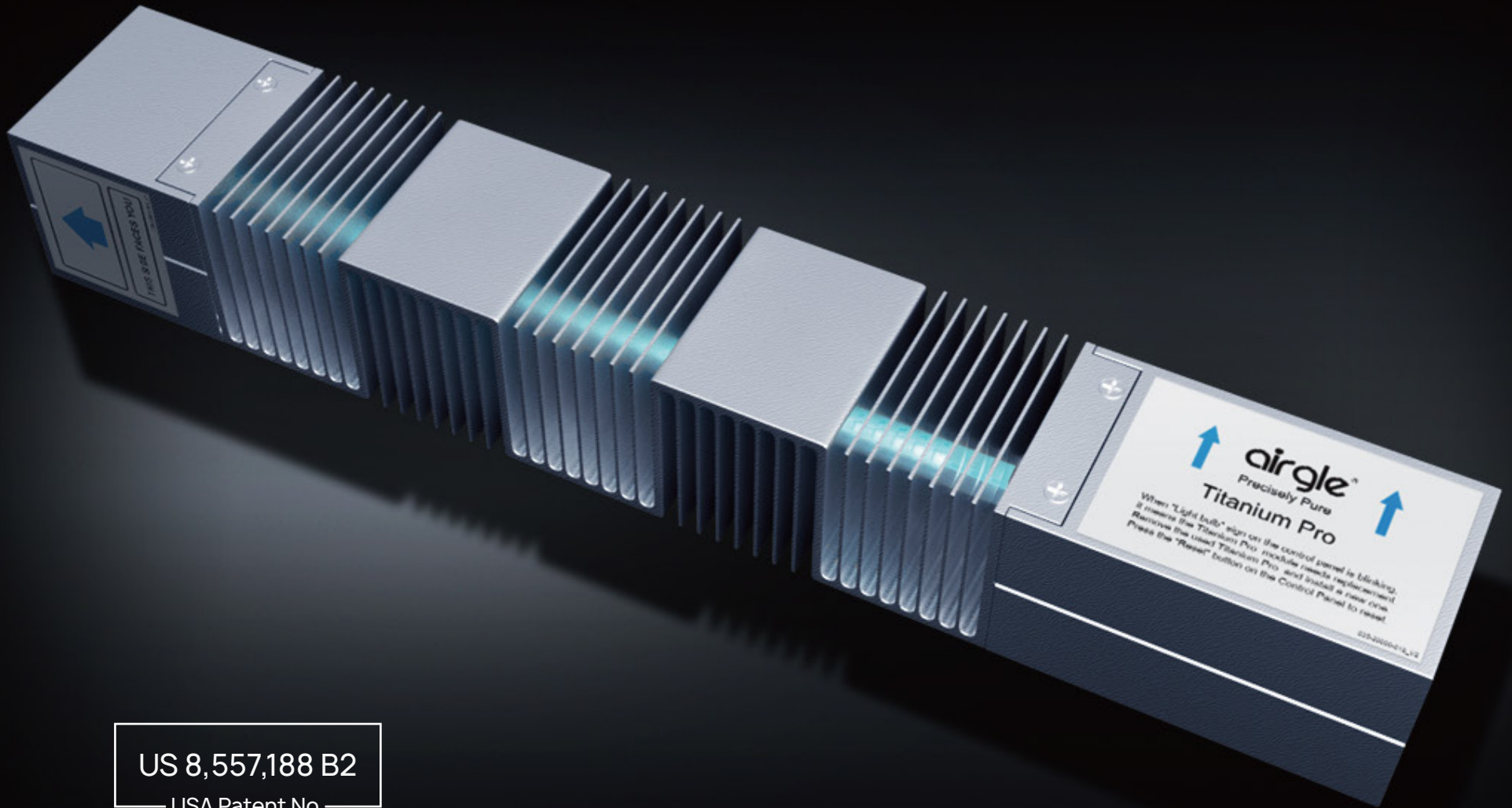
Microbial mitigation Bacteria and Virus

Titanium Pro® module breaks apart organics, chemicals, bacteria and viruses in the air. This patented photocatalytic oxidation (PCO) technology features a catalytic metal plate, electronics, germicidal UV lamp and ballast in one disposable module designed for easy insertion and removal. The Titanium Pro® safely breaks down harmful chemicals and odors down to 0.1 micron in size, while effectively killing bacterial and viral pollutants.

Third-party testing show the AG900 and the AG600 achieve a 6-log reduction (99.9999%) in bacteria.

Titanium Pro® UV Module

Effectively destroys chemicals, bacteria, viruses, and TVOCs



US 8,557,188 B2

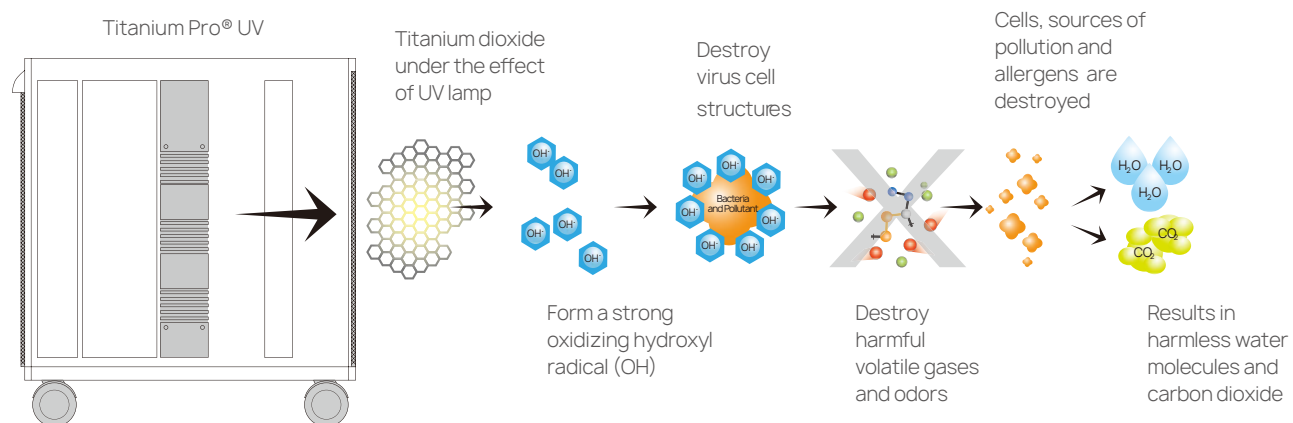
— USA Patent No. —

Titanium Pro[®] UV PCO Technology

Years of hard work by the Airgle R&D team led the development of the state-of-the-art Titanium Pro[®] UV photocatalytic oxidation (PCO) module. The substrate surface of the nano-titanium dioxide carrier is coated with TiO_2 , a stable and harmless substance widely used in American food additives and cosmetics. Under UV irradiation, TiO_2 emits strong oxidizing hydroxyl radicals.

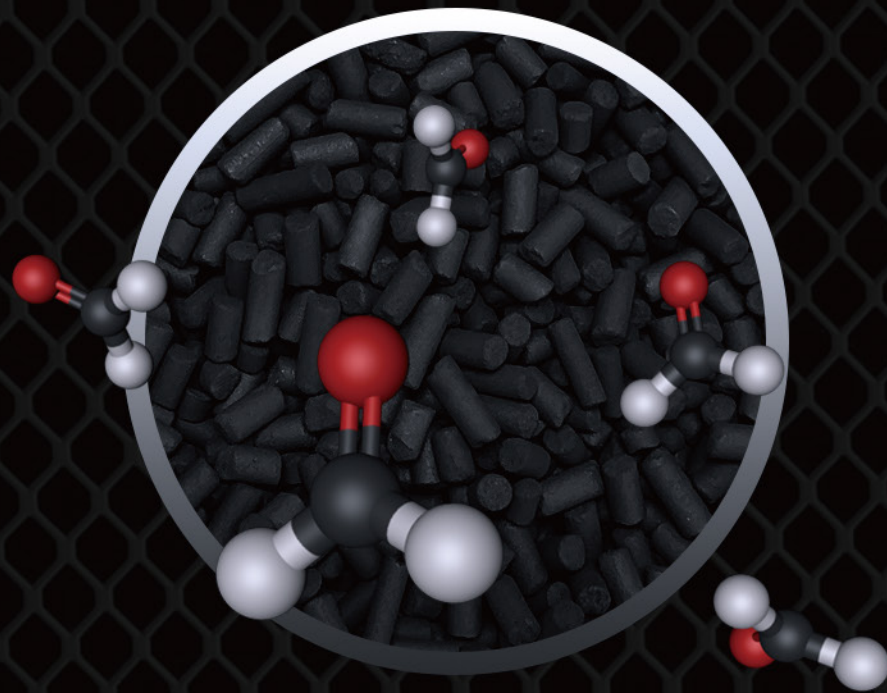
In health-care settings, Titanium Pro[®] provides added protection from harmful pathogens and unpleasant odors. The hydroxyl radicals and superoxide ions oxidize airborne organic pollutants, breaking them into simple molecules such as carbon dioxide and water. They destroy living spores, bacteria, molds and viruses. They also break down VOCs, chemical gases and unpleasant odors in the air.

- 💡 10-14 watt UVC Lamp
- 🔌 Plug and play technology
- 🌡️ Very efficient at room temperature
- 🧪 No chemical additives
- 🌍 No residual ozone
- 🧪 High oxidation yields for odors and VOCs
- ⚡ Low energy requirements
- ☔ Works in humid conditions
- 👍 Long service life
- 🔧 Low maintenance requirement

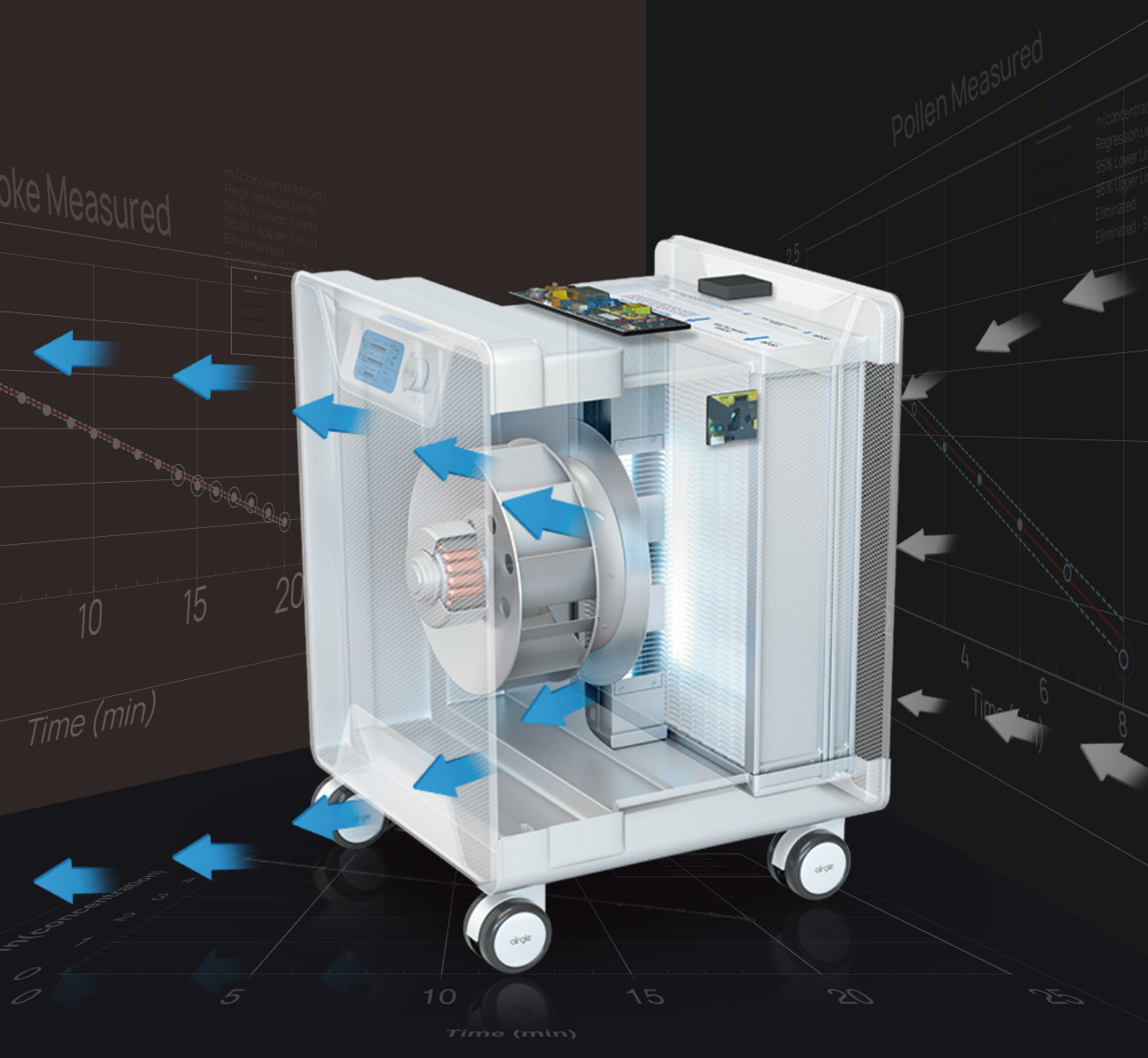


Chemical/Odor Filtration

Chemicals used for surface sterilization release VOCs into the air. The AG900 features 4.4 lbs. of activated carbon to capture chemicals, tobacco smoke, odors, and volatile organic compounds (VOCs). Coconut shells produce extremely high surface area when turned into activated carbon. This allows a higher capacity per pound to capture VOCs and other pollutants than other types of activated carbon. In addition, coconut shells are a completely renewable resource.



Powerful and Practical



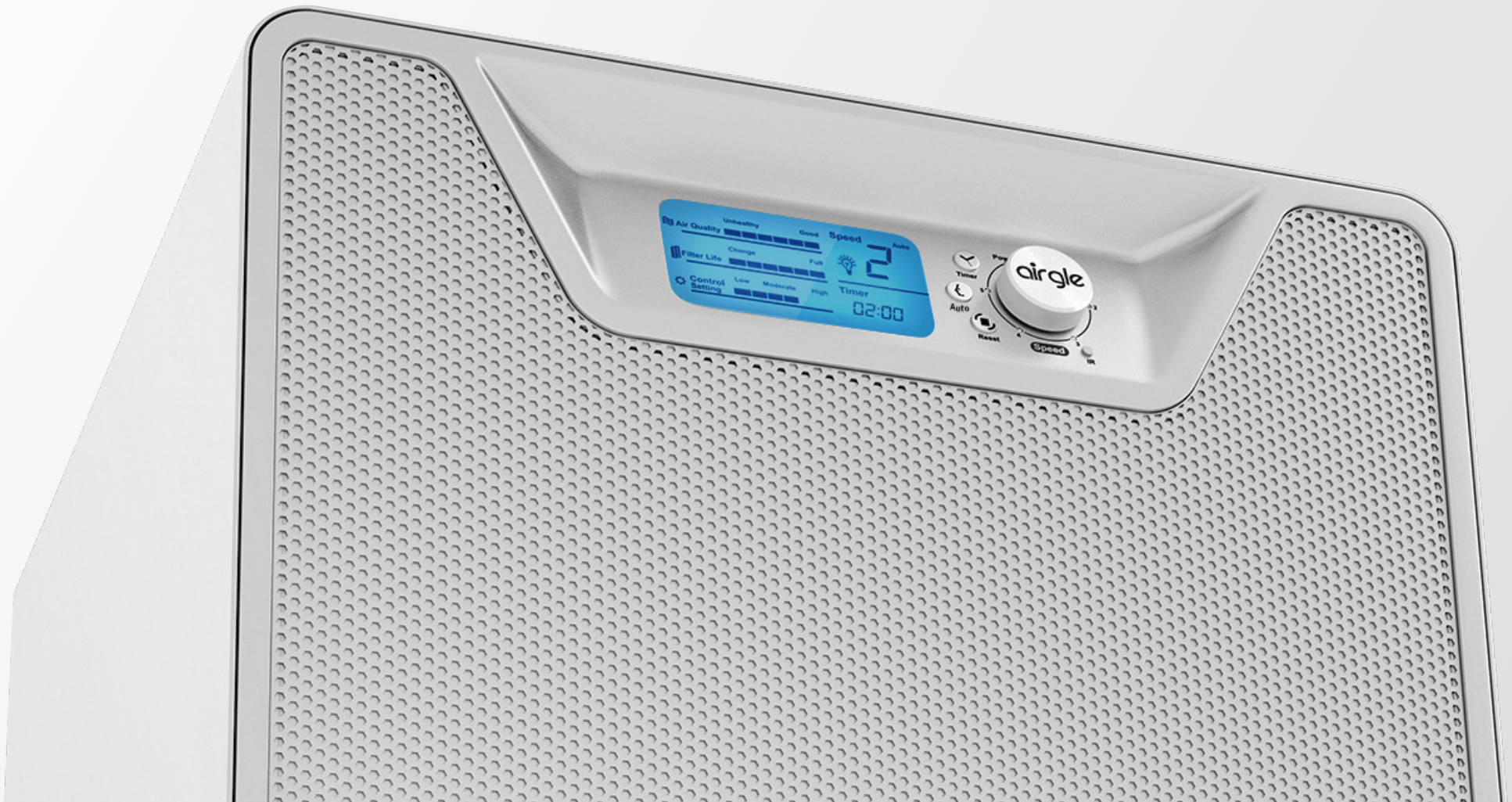
Key Features:

- Ultra-quiet motor technology
- Aluminum housing
- Easy-to-replace Filters
- Handy remote control
- Ozone-free technology
- Energy Star qualified
- Programmable LCD control panel
- Auto & night modes
- Variable timer
- System control setting
- Continuous air quality monitoring
- Plug and play technology
- FDA-cleared as a Class II Medical Device

Maximum Air Flow and Fast Purification

The National Institutes of Health have said that COVID-19 laden droplets from coughs and sneezes can stay in the air for 3 hours or more. VOCs remain airborne indefinitely and many other airborne pathogens have very slow precipitation rates and can remain in the air for many hours or even days. The less time a pathogen remains in the air, the lower the chance of cross-infection. That is why Airgle recommends a minimum of 5 Air Changes per Hour (ACH)³. The AG900 provides 5 ACH for a 617 sq. ft. room – that is one ACH every 12 minutes. Used in a 20' x 20' room, the AG900 provides one ACH every 8 minutes.

3) Each time the entire volume of air in a room is purified is called an Air Change per Hour (ACH).



Technological Design

Featuring an inlet seal design and aluminum housing, the Airgle Air Purifier's technological aesthetic embodies a North American standard of excellence. Each component of the product's performance and durability complies with the UL507 Safety Certification as well as the California State Government and AHAM Standards.



Machine Sealed



Ultra-Quiet Motor



Infrared Remote Control



Triple Filtration



Aluminum Housing



360 Degree Casters

The smart control technology in the Airgle APP enables administrators to remotely monitor and control all the Airgle units in the hospital.

Features include:

- Admin access to remotely manage hundreds of devices
- Real time monitoring of air quality
- Remote regulation of speed operation
- Advanced timer setup, creation of unique time/date templates for all/some wards
- Filter replacement reminders



Aluminum Frame Filters meet CDC Recommendations

Airgle filters are framed in aluminum which meet CDC recommendations for filters because metal frames can provide greater protection against bacteria and mold than paper, wood or Styrofoam.

Airgle's aluminum filter frames are rigid so changes in temperature and humidity won't cause them to change shape or degrade. That is a key component to maintaining the 100% seal that ensures all the air passing through the Airgle Clean Room Air Purifier passes through the filters, rather than leaking through without filtration.



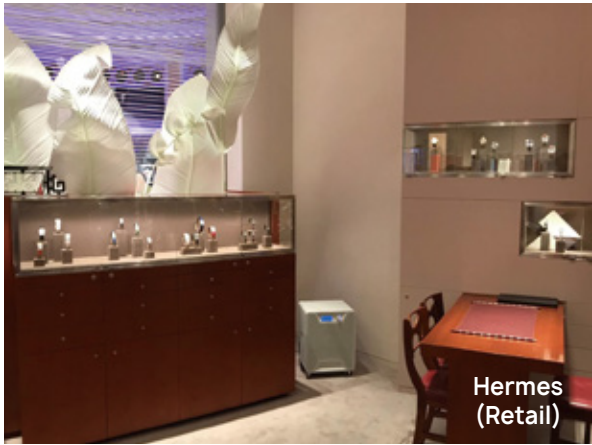
Zero Particles at Air Outlet

Titanium Pro® UV Module

CHEPA Filter

Activated Carbon Filter

Machine Rear Cover



Hermes
(Retail)



H&M
(Retail)



Pfizer
(Retail)

Global Organizations Trust Airgle

Companies around the world have turned to Airgle to let their staff and their guests know that they care about the air. Especially now, it is important for the peace of mind of all the people who gather in your establishment to know that you are doing your best to keep the air they breath safe and healthful.



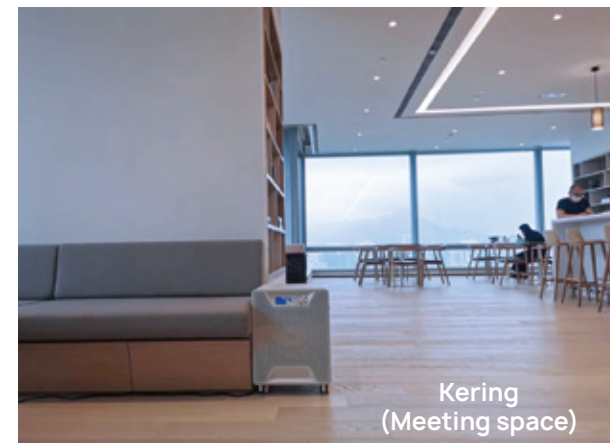
Kering
(Office)



Philip Morris
(Office)



NYC Department of
Education
(Meeting space)



Kering
(Meeting space)



unicef  | airgle

**Airgle Has Been Awarded A Long Term Arrangement (LTA)
For Air Purifiers By United Nations Children's Fund (UNICEF)**

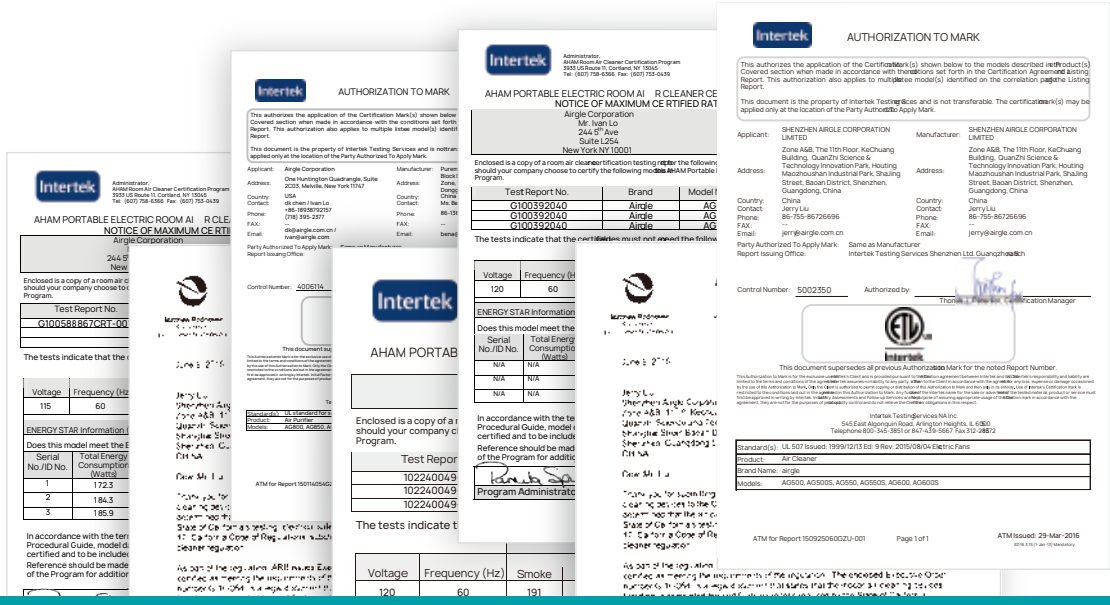
UNICEF Works in over 190 countries and territories to protect the rights of every child

Certification

Association of Home Appliance Manufacturers



**Independently Tested.
Consumer Trusted.**



Intertek AUTHORIZATION TO MARK

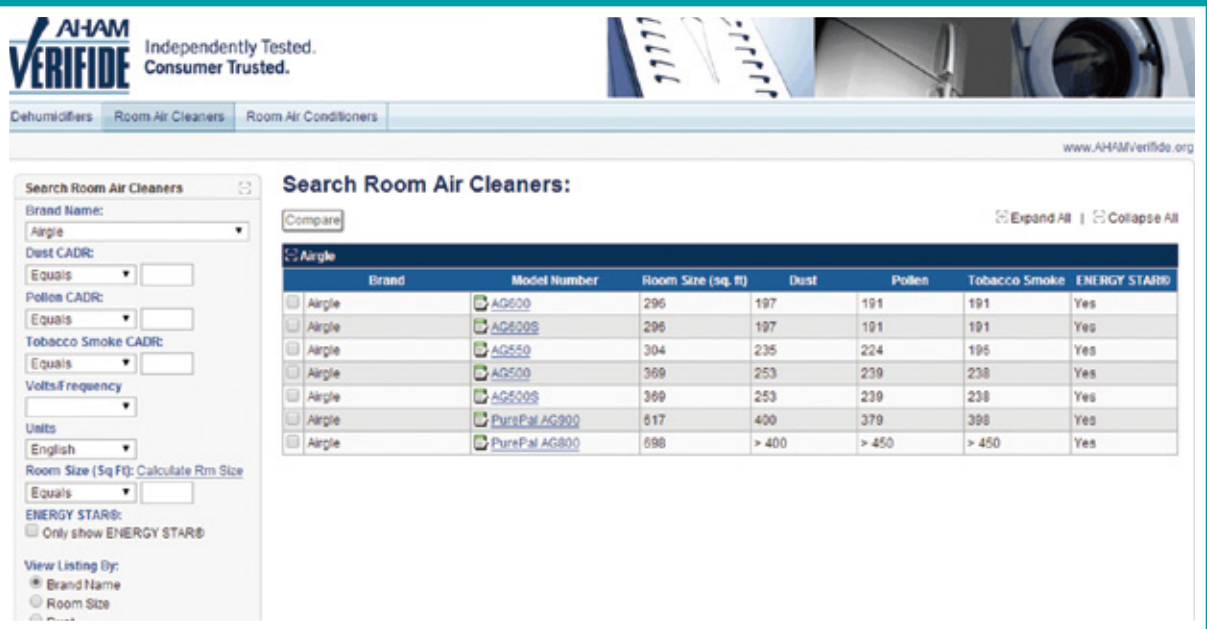
Intertek AHAM PORTABLE ELECTRIC ROOM AIR CLEANER CERTIFIED RAT

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AHAM VERIFIDE Independently Tested. Consumer Trusted.

Dehumidifiers Room Air Cleaners Room Air Conditioners

www.AHAM/verifide.org

Search Room Air Cleaners

Brand Name: Airgle

Dust CADR: Equals

Pollen CADR: Equals

Tobacco Smoke CADR: Equals

Volts/frequency: Equals

Units: English

Room Size (Sq Ft): Calculate Rm Size

ENERGY STAR®: Only show ENERGY STAR®

View Listing By: Brand Name Room Size

Search Room Air Cleaners:

Compare Expand All Collapse All

Brand	Model Number	Room Size (sq. ft)	Dust	Pollen	Tobacco Smoke	ENERGY STAR®
<input type="checkbox"/>	Airgle AG600	296	197	191	191	Yes
<input type="checkbox"/>	Airgle AG600S	296	197	191	191	Yes
<input type="checkbox"/>	Airgle AG650	304	235	224	195	Yes
<input type="checkbox"/>	Airgle AG650S	369	253	239	238	Yes
<input type="checkbox"/>	Airgle AG600S	369	253	239	238	Yes
<input type="checkbox"/>	Airgle PurePal AG300	617	400	379	388	Yes
<input type="checkbox"/>	Airgle PurePal AG800	698	> 400	> 450	> 450	Yes



Meets California ozone emissions limit: CARB certified.



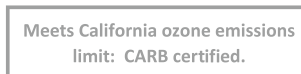
Technical Information

Model	Airgle AG900	Airgle AG600
Maximum Rated Air Flow	400cfm	200cfm
Clean Air Delivery Rate (CADR)	Smoke: 398 cfm Dust: 400 cfm Pollen: 379 cfm	Smoke: 191cfm Dust: 197cfm Pollen: 191 cfm
Air Flow	Speed 1: 108cfm Speed 2: 148cfm Speed 3: 186cfm Speed 4: 231cfm Speed 5: 400cfm	Speed 1: 36cfm Speed 2: 70cfm Speed 3: 111cfm Speed 4: 158cfm Speed 5: 200cfm
Noise Level	Speed 1: 33 dB(A) Speed 2: 45 dB(A) Speed 3: 50 dB(A) Speed 4: 59 dB(A) Speed 5: 69 dB(A)	Speed 1: 32 dB(A) Speed 2: 45 dB(A) Speed 3: 50 dB(A) Speed 4: 58 dB(A) Speed 5: 65 dB(A)
Product Dimensions (LxWxH)	19 x 17.7 x 24.8 Inches	15.2 x 15 x 20.4 Inches
Net Weight	55 lbs	34.5 lbs
Voltage	100-120V / 50-60Hz	
Rated Power	120W	56W
Test Power	Standby: 1.5W Speed 1: 24W Speed 2: 32W Speed 3: 52W Speed 4: 73W Speed 5: 120W	Standby: 1.5W Speed 1: 17.5W Speed 2: 21.0W Speed 3: 24.5W Speed 4: 34.0W Speed 5: 52.0W
ENERGY STAR (Dust CADR/Watt)	3.0	3.4
Room Size	617 ft ²	296 ft ²
Fan Motor	BLDC Motor	
Control Panel	Speed control knob, buttons and indicators	
Air Intake	Rear	
Air Outlet	Front	
Housing Material	Aluminum with sandblast effect	

Performance

Performance Certification	AHAM, EnergyStar and other International Testing Agency
cHEPA Technology	99.999% @ 0.003µm
Bacteria Removal	99.9999%

Ozone	Certified by CARB (California Air Resources Board)	
Air Leak Test	100% Sealed	
Filter Configuration		
Pre-Filter	Metal grill captures large particles	
cHEPA	cHEPA, 2.0 Inch depth, Medical-grade, PP material, Surface area: 40 sq. ft. MPPS efficiency: 99.999% @ 0.003µm	cHEPA, 2.0 Inch depth, Medical-grade, PP material, Surface area: 26 sq. ft. MPPS efficiency: 99.999% @ 0.003µm
cHEPA Dimensions (LxWxT)	19.1 x 15.9 x 2.0 Inches	16.1x 13.6x 2.0 Inches
Carbon Media	4.4 lbs. of enhanced carbon blend	2.2 lbs. of enhanced carbons blend
Carbon Filter Dimensions (LxWxT)	19.1 x 15.9 x 3.1 Inches	16.1 x 13.6x 2.0 Inches
Titanium Pro® UV	PCO Technology with U.S. Patent - 14W	PCO Technology with U.S. Patent - 10W
Average Filter Life	12~16 months	10~15 months
Net Weight (cHEPA and Carbon Filter)	12.8 lbs	7.3 lbs
Gross Weight (cHEPA and Carbon Filter)	17.6 lbs	11 lbs
cHEPA & Carbon Filter Dimensions (LxWxT) (With packing)	20.5 x 17.6 x 7.4 Inches	18.1 x 15.3x 6.6 Inches
Control Panel Features		
Intelligent Filter Life Monitor	Yes	
Timer	1-12H	
Speeds	LCD 1, 2, 3, 4, 5	
Auto Mode	Sensor checks pollution level and automatically adjusts fan speed for best performance	
Sleep Mode	Close backlight\ LED display\ LCD display	
APP Control	iOS and Android	
APP Features	<ol style="list-style-type: none"> 1) Admin access to remotely manage hundreds of devices 2) Real time monitoring of air quality 3) Remote regulation of speed operation 4) Advanced timer setup, creation of unique time/date templates for all/some wards 5) Filter replacement reminders 	
Accessories		
Standard Accessories	Remote control (battery included) (1), Casters (4), Owner's Manual (1 pc)	
Product Name	Airgle Clean Room Air Purifier	Airgle Room Air Purifier
UPC Code	AG900: 799975978253	AG600: 713382679091
	AF900HC: 713382679015	AF600HC: 601279631324
	AF850/900T: 799975978284	AF600T : 713382679213



The Art of Air Purification



About Airgle:

Since 1999, the Airgle Corporation has been an industry leader with worldwide distribution of medical-grade air purification systems, both stand-alone and HVAC compatible. Our air purification solutions are engineered to combat airborne pathogens, including COVID (CoV-2), ultra-fine particulates and VOCs in all indoor settings. Headquartered in New York, Airgle Corp. manufactures the only air purifiers possessing a cHEPA filter, with a capture threshold down to 0.003 microns and an ultraviolet titanium module, which neutralizes viruses, other pathogens and VOC's with our photocatalytic oxidation technology.

Airgle Corp. provides air purification solutions throughout North America. Additionally, for over 26 years, we've been extremely proud to have worldwide distribution in Canada, Germany, Austria, Denmark, Switzerland, Japan, South Korea, India, Singapore, Thailand, Vietnam, United Arab Emirates, Saudi Arabia, Qatar, Kuwait, China (the Mainland, Hong Kong and Macao) and many other countries.

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AIRGLE® CUSTOMER CARE

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