

Empty offices. Billions of dollars of lost.

How much has **physical distancing** cost your organization?

If there were a way to provide **mechanical distancing™** so work could be done in your offices even during disease outbreaks, would you take it?

Even in good years, **worker productivity drops by an astounding 40%** on tasks that require cognitive skills in offices with poor indoor air quality. Moreover, the Harvard School of Public Health found that **preventable absences due to poor indoor air quality cost companies an average of \$480 per worker per year.**



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

Air Purification Designed for Hospitals: Available for Your Office

The **Airgle AG900**, originally designed for hospitals and FDA-cleared as a Class II Medical Device, can introduce *mechanical distancing™* for your employees by powerfully and rapidly purifying the air. Combined with frequent and consistent surface sanitation, Airgle Clean Room Air Purifiers can help improve productivity and reduce preventable absences through a clean and productive work environment.

But, how? The media says viruses are too small to be captured by filters.

It is true that even standard HEPA filters clean only to $0.3\mu\text{m}$. It is also true that nanoparticles, such as viruses, can pass through ordinary filters and may remain airborne almost indefinitely. Influenza and corona viruses can be as small as $0.08\mu\text{m}$. And, the common cold virus is even smaller: only 30nm ($0.03\mu\text{m}$).

The Airgle **AG900** is different:

- **MERV-19, cHEPA Filter** removes particles as small as 3nm ($0.003\mu\text{m}$) with a 99.999% efficiency.¹
- Patented **Titanium Pro®** module sends out millions of hydroxyl radicals into the air to destroy harmful organics, like viruses.²
- 4.4 lbs. of activated carbon blend in the **Gas & Odor Filter** removes dangerous gasses and chemicals.
- The AG900 removes 99.9999% of bacteria.³
- Its quiet and highly efficient fan ensures fast room air changes.

An air change is when the entire volume of air in a room has been processed through the purification system. ACH refers to the number of air changes per hour.

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.

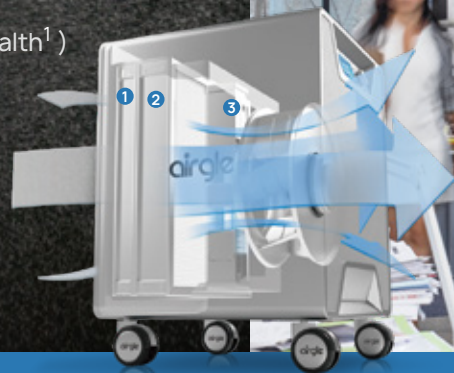
3) Third party test results.

Small droplets filled with **COVID19** can stay afloat in the air for **3 hours**

(National Institutes of Health¹)

Cough droplets spread over 20 feet and sneezes spread over 26 feet

What if you could reduce those **3 hours** to **12 minutes** or less?



AG900 can purify the entire volume of air in a 617 ft² room in just 12 minutes. (For a 20'x20' room, it takes just 8 minutes.)

Airgle's Triple Purification Helps Achieve Mechanical Distancing™

Physical distancing keeps people away from potential pathogens. Another option is to keep potential pathogens away from people through *mechanical distancing*™. The less time a potential pathogen is in the air, the less chance it has to harm.

Airgle recommends **Triple Purification** with at least **5 ACH** (air change per hour) to minimize the time people are exposed to airborne pathogens which helps achieve **Mechanical Distancing**™. Foam seals and rigid aluminum filter frames ensure a 100% seal, so all air passes through Airgle's **Triple Purification** before returning to the room.

Zero Particles at Air Outlet



Triple Purification

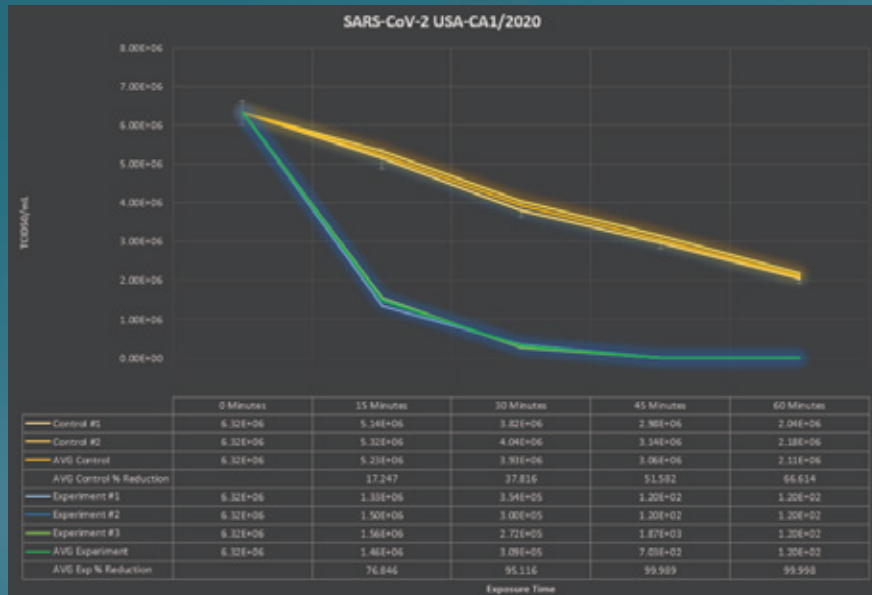
- 1 4.4 lbs. of Activated Carbon blend in the **Gas & Odor Filter** removes VOCs, odors, and ozone.
- 2 40 sq.ft. of **HEPA Filter** removes particles down to 3nm (0.003um). Filtering out virtually all sizes of airborne bacteria, viruses and other harmful particles.
- 3 Patented **Titanium Pro**® PCO Technology generates millions of hydroxyl radicals that attach to organic compounds and break them down into CO₂ and water. Generates no ozone.

(Filter sizes listed are for the AG900)

1) National Institutes of Health, : <https://www.nih.gov/news-events/news-releases/new-coronavirus-stable-hours-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.

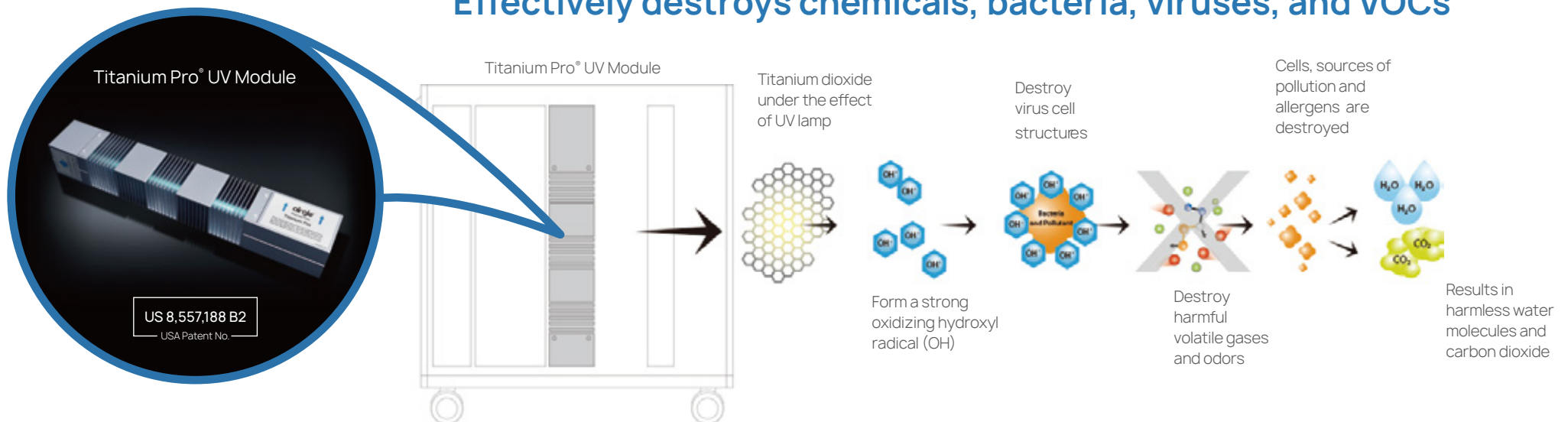
The Airgle Titanium Pro® Difference

Every minute, the patented, state-of-the-art **Titanium Pro®** module sends out millions of hydroxyl radicals* into the air - molecules made up of oxygen and hydrogen atoms. Hydroxyl radicals chemically react with airborne organic pollutants, breaking them into simple molecules such as carbon dioxide and water. They destroy living spores, bacteria, molds and viruses. Hydroxyl radicals also break down volatile organic compounds (VOCs) such as the odor-causing gasses from cleaning fluids, as well as other unpleasant odors.

Room air is pulled into the Airgle unit where it is filtered and purified first by the **Gas & Odor Filter**, and then by the **cHEPA Filter**. The **Titanium Pro®** then adds its hydroxyl radicals to the air just cleaned by those two powerful filters, before it is circulated back into the room. In other words, the air drawn into the Airgle unit will already be pre-purified by those hydroxyl radicals!

- 💡 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 consumption
- ☂ Works in humid conditions
- 👍 Long service life
- 🔧 Low maintenance requirement

Effectively destroys chemicals, bacteria, viruses, and VOCs



* The Titanium Pro® module creates hydroxyl radicals by exposing titanium oxide (TiO_2) to ultraviolet light. Hydroxyl radicals are naturally occurring molecules in the atmosphere. In fact, they are often referred to as the "detergent of the troposphere" because hydroxyl radicals destroy many airborne pollutants by breaking apart the molecules of the pollutant.

Additionally, titanium oxide is a stable and harmless substance that is widely used in American food additives and cosmetics: so, it is totally safe in your home or office.

Centralized Control with the APP

AG900

- Centrally & remotely manage 100s of devices
- Manage devices in multiple locations
- Create advanced time/date templates for all/some areas
- Remotely regulate speed & operation
- Monitor air quality in real time
- Notify filter replacement
- Manage devices for tenants/clients
- Use database for repeat sales, including filter replacements



Cost for Clean Air per 150 ft²

How much has Physical Distancing cost your organization?

Over a 3-year period, in a single, 617 sq. ft. workspace, the annual cost for clean air per worker is just \$421¹. It drops to \$262 over 10 years.

Contact your distributor for a consultation based on your needs². Discounts may be available for multi-unit purchase.

1) Amortized annual cost per worker calculation assumes: the national average of 150 sq. ft. of office space per employee; annual replacement of 3 filters – Gas & Odor Filter, cHEPA Filter and Titanium Pro[®] module; implementation of the Airgle recommendation of 5ACH; and the undiscounted retail price for a single unit.

2) The actual cost of deploying Airgle air purifiers in your office depends on work space size, employees per workspace, the ACH required for each workspace, and available discounts.

Technical Information

| | |
|--------------------------------|--|
| Model | Airgle AG900 |
| Maximum Rated Air Flow | 400cfm |
| Clean Air Delivery Rate (CADR) | Smoke: 398 cfm Dust: 400 cfm Pollen: 379 cfm |
| Air Flow | Speed 1: 108cfm, Speed 2: 148cfm, Speed 3: 186cfm, Speed 4: 231cfm, Speed 5: 400cfm |
| 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) |
| Air Cleaner Dimensions (LxWxH) | 19 x 17.7 x 24.8 in. |
| Air Cleaner Weight | 55 lbs |
| Voltage | 100-120V / 50-60Hz |
| Rated Power | 120W |
| Test Power | Standby: 1.5W, Speed 1: 24W, Speed 2: 32W, Speed 3=52W, Speed 4: 73W, Speed 5 : 120W |
| ENERGY STAR (Dust CADR/Watt) | 3.0 |
| Room Size (ft ²) | 617 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% @ 0.003 µm |
| Bacteria Removal | 99.9999% |
| Ozone | Certified by CARB (California Air Resources Board) |
| Air Leak Test | 100% Sealed |

Filter Configuration

| | |
|----------------------------------|--|
| Pre-filter | Metal grill capturing large particles |
| cHEPA | cHEPA, 2.0 Inch depth, Medical-grade, PP material, Surface area: 40 sq. ft. MPPS efficiency: 99.999% @ 0.003µm |
| cHEPA Dimensions (LxWxT) | 19.1 x 15.9 x 2.0 in. |
| Carbon Media | 4.4 lbs. of enhanced carbons blend |
| Carbon Filter Dimensions (LxWxH) | 19.1 x 15.9 x 3.1 in. |

| | |
|---|---------------------------------------|
| Titanium Pro® UV | PCO Technology with U.S. Patent - 14W |
| Average Filter Life | 12~16 months |
| Net Weight (cHEPA and Carbon Filter) | 12.8 lbs |
| Gross Weight (cHEPA and Carbon Filter) | 17.6 lbs |
| cHEPA and Carbon Filter Dimensions (LxWxT) (With packing) | 20.5 x 17.6 x 7.4 in. |

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 |
| UPC Code | AG900: 799975978253 |
| | AF900HC: 713382679015 |
| | AF850/900T: 799975978284 |

FDA



Meets California ozone emissions
limit: CARB certified.

CB

CE





Precisely Pure

AIRGLE® CUSTOMER CARE

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In 1999, we began our mission to design and manufacture the safest, most reliable, and most effective air purification systems on the market. We incorporated Airgle Corporation in New York in 2005 and have been steadily growing our international distribution network.

Our dedication to purifying Air with a Great Level of Efficiency (Airgle) has made us a world-class provider of air purification. Outside North America, Airgle Holdings conducts business in many countries including United States, United Kingdom, Canada, Germany, Austria, Denmark, Switzerland, Japan, South Korea, India, Singapore, Thailand, Vietnam, Saudi Arabia, United Arab Emirates, Qatar, Kuwait, Russia, China (the Mainland, Hong Kong and Macao) and Others.