

# Empty offices. Billions of dollars of lost.

airgle®  
Precisely Pure

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 AG600**, originally designed for hospitals, can introduce *mechanical distancing™* for your employees by powerfully and rapidly purifying the air. Combined with frequent and consistent surface sanitation, Airgle 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  $30\text{nm}$  ( $0.03\mu\text{m}$ ).

The Airgle **AG600** is different:

- **MERV-19, cHEPA Filter** removes particles as small as  $3\text{nm}$  ( $0.003\mu\text{m}$ ) with a 99.999% efficiency.<sup>1</sup>
- Patented **Titanium Pro®** module sends out millions of hydroxyl radicals into the air to destroy harmful organics, like viruses.<sup>2</sup>
- 3.5 lbs. of activated carbon blend in the **Gas & Odor Filter** removes dangerous gasses and chemicals.
- The AG600 removes 99.9999% of bacteria.<sup>3</sup>
- 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.

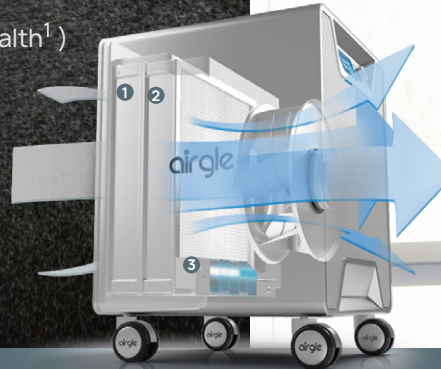
2) Thousands of research papers detail the ability of hydroxyl radicals to inactivate or destroy viruses, bacteria, VOCs and other organic materials in the air and on surfaces.

3) Third party test results.

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

(National Institutes of Health<sup>1</sup>)

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?



AG600 can purify the entire volume of air in a 296 ft<sup>2</sup> room in just 12 minutes.

## Airle'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.

Airle 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 Airle's **Triple Purification** before returning to the room.

### Zero Particles at Air Outlet



## Triple Purification

- 1 3.5 lbs. of Activated Carbon blend in the **Gas & Odor Filter** removes VOCs, odors, and ozone.
- 2 26 sq.ft. of **cHEPA 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 CO<sub>2</sub> and water. Generates no ozone.

(Filter sizes listed are for the AG600)

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

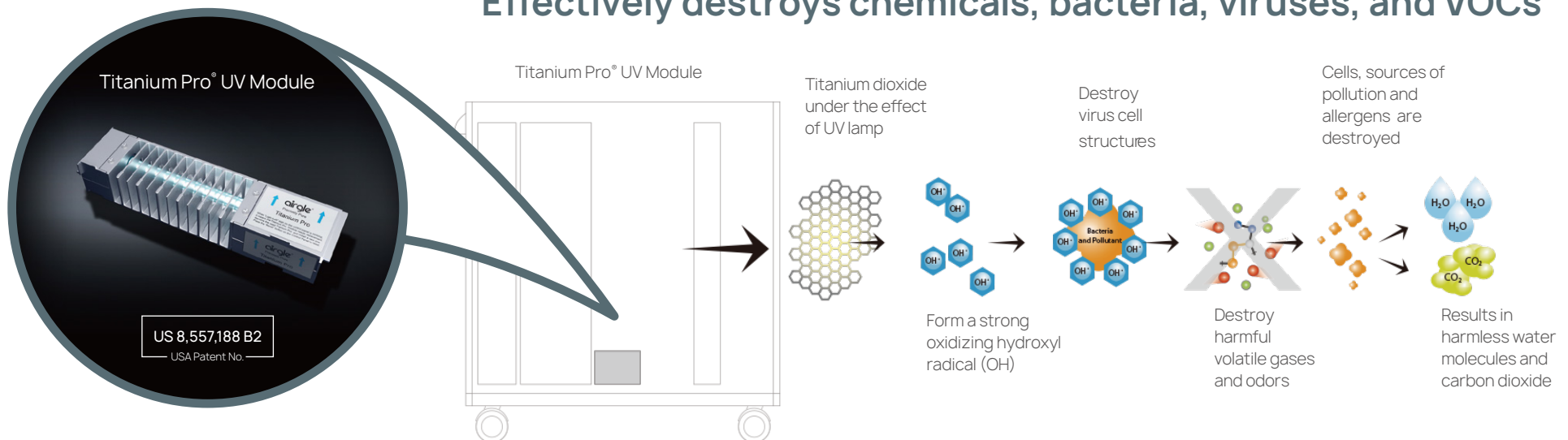
# The Airgle Titanium Pro® Difference

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!

- 💡 10 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 ( $\text{TiO}_2$ ) 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.

"Airgle air purification systems are without question, the most extraordinary purifiers in the industry. They are the only hospital-grade system, which possess a highly discriminating cHEPA filter, far exceeding the specifications of traditional HEPA, but also incorporating a powerful UV light and hydroxyl radicals radicals, which oxidizes and breaks apart bacteria and viruses."

Dr. Tyler Orehek, DC, M.Sc.

"I personally recommend the Airgle AG600. I'm a dentist with over 20 years of experience. The Airgle is compact, seamless and quiet. You can immediately feel the difference and even my patients notice. I have peace of mind knowing that my practice is using a hospital-grade product, which is effective down to .003 microns."

Sincerely,  
Dr. Tamara Garrett, DDS

"I have been running the Airgle systems in each operator of my dental practice since we reopened from the COVID-19 closure. The AG600 units are just the right size for my 12'x12' operatories. Even at high speed, they do not distract from talking with patients or assistants. What I like the most are the filtration specs of the Airgle AG600. I like that the Airgle is capable of 99.999% filtration down to .003 microns, which is far smaller than the finest aerosols or even an individual viral particle.

On a side note, my first patient today was a severe allergy sufferer. Unprompted, she stated that she wanted to stay in the dental office because she could breathe so much better after being in the office for an hour because of how clean the air was. Thought you'd like to know."

Dr. Thomas Blake, DDS



# Hospitals use Airgle

## Hospitals and health systems in America at the forefront of the COVID-19 outbreak



### **Virtua:**

14,000 employees provide safe, high-quality, tertiary care, including a nationally recognized cardiovascular program, complemented by community-based care programs.

### **Grady:**

The largest hospital in the state of Georgia and the public hospital for the entire city of Atlanta. And the 5th largest public hospital in the United States, as well as one of the busiest Level I trauma centers in the country.

### **Marshall Hospital:**

Marshall Medical Center is a nonprofit community healthcare provider located in the heart of the Sierra Foothills. Since opening our doors in 1959, Marshall has been proud to maintain our status as an independent hospital whose governance remains local.

### **Wagner Indian Health System:**

Yankton Medical Clinic, P.C. is a multi-specialty clinic with 43 physicians covering 17 specialties, more than 220 employees, 4 clinic locations and 15 outreach locations in Nebraska and South Dakota.

### **Winnebago Comprehensive Healthcare System**

Primary care clinics acts as principal point of healthcare services to patients of all ages - evaluation and treatment is usually provided by general practitioners and family medicine doctors.

### **12 Clans Unity Hospital:**

A full-service state of the art facility, providing inpatient, outpatient and emergency care to the Winnebago community and Native American patients within the region.

# Centralized Control with the APP

# AG600

- 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 ft<sup>2</sup>

How much has Physical Distancing cost your organization?

Over a 3-year period, in a single, 296 sq. ft. workspace, the annual cost for clean air per worker is just \$421<sup>1</sup>. It drops to \$262 over 10 years.

Contact your distributor for a consultation based on your needs<sup>2</sup>. 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<sup>®</sup> 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

Specifications	Airgle AG600
Maximum Clean air delivery	219cfm
Clean Air Delivery Rate (CADR)	Smoke: 191 cfm   Dust: 197 cfm   Pollen: 191 cfm
Clean Air delivery for all five fan speeds (in cfm)	Speed 1=42cfm, Speed 2=81cfm, Speed 3=128cfm, Speed 4=182cfm, Speed 5 (Turbo)=219cfm
Noise level	Speed 1: 33 dB(A), Speed 2: 45 dB(A), Speed 3: 50 dB(A), Speed 4: 58 dB(A), Speed 5 (Turbo): 65 dB(A)
Air cleaner dimensions (HxWxD)	15 x 15.6 x 20.2 in.
Air cleaner weight (incl. filters)	35.3 (lbs.)
Power requirements	100-240V 50Hz - 60Hz
Maximum energy consumption	55W
Rated power	Stand by=1.5W, Speed 1=17.5W, Speed 2=21.7W, Speed 3=28.9W, Speed 4=39W, Speed 5 (Turbo)=55.8W
ENERGY STAR (Dust CADR/Watt)	3.5
Room size (ft <sup>2</sup> )	296 ft <sup>2</sup>
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
Certified filtration efficiency	Greater than 99.999% for particles $\geq$ 0.003 microns ( $\mu$ m)
Bacteria	99.9999%
Ozone	Zero Ozone
Certified air delivery	10% (+ or - 10 cfm) of specified air delivery
T.V.O.C Test	99%
Leak tested	Yes

## Filter Configuration

Pre-filter	One layer of pre-filter: metal grill capturing large particles
cHEPA	cHEPA, 2.0 Inch depth, Medical-grade, PP material, Surface area: 26 sq. ft. MPPS efficiency: 99.999% @ 0.003 $\mu$ m
cHEPA dimensions (LxWxD)	16.14 x 13.58 x 1.97 in.



Carbon media	3.5 lbs. of enhanced carbon blend
Carbon Filter dimensions (LxWxH)	16.14 x 13.58 x 1.97 in.
Tio <sub>2</sub> UV light	US Patented Plug and Play Technology -10W
Average filter life	12 months
HEPA & Carbon Filter weight (net weight)	8.6 (lb.)
HEPA & Carbon Filter weight (Gross weight)	12.8 (lb.)
HEPA & Carbon Filter dimensions (LxWxH) (With packing)	17.6x 15.3 x 6.3 in.

### Control Panel Features

Intelligent filter life monitor	Yes
Timer	1-12H
Speeds	LCD 1, 2, 3, 4, 5 (Turbo)
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

- Smart Control Cloud Computing Technology with the APP
- Real time monitor air quality and regulate speed and more on APP
- Admin access, easily manage up to thousands of devices
- Build a database of customers and offer repeat sales. Filter replacement reminders
- Easily manage your rental customers
- Advanced Timer setup, unique time/date templates for all/some managed customers

### Accessories

Standard accessories	Remote control (battery included) (1), Casters (4), Owner's Instruction (1)
Name	Airgle Room Air Cleaner AG600
UPC Code	AG600: 713382679091
	AF600HC: 601279631324
	AF600T : 713382679213



Meets California ozone emissions  
limit: CARB certified.





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.