

airgle®

Precisely Pure

## Ride Share Drivers

*Physical distancing* in a car is impossible.

If there were a way to provide *mechanical distancing™* so you and your passengers could have peace of mind in your car – even during disease outbreaks – would you take it?



## Air Purification Designed for Hospitals: Available for Your Car

Airgle air purifiers, which were originally designed for hospitals, can introduce *mechanical distancing™* for you and your passengers by powerfully and rapidly purifying the air. Combined with frequent and consistent surface sanitation, Airgle's **AG25** air purifier can reduce the chance of cross-infection in your car.

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

It is true that the cabin air filters that are standard in cars and SUVs can't and even standard HEPA filters only clean 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 **AG25** 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.
- Activated carbon blend in the **Gas & Odor Filter** removes dangerous gasses and chemicals.
- Its quiet and highly efficient fan ensures fast air changes – reducing the time you and your passengers may be exposed to pathogens and viruses in the air.

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

<sup>1</sup>)Third party permeability testing.

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

(National Institutes of Health)

What if you could reduce those 3 hours to a few minutes?

## Airgle 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*™.

In a Chevy Suburban SUV – The entire volume of air in the car passes through the AG25 every 15 minutes. For a Ford Fusion it is just over 10 minutes.

4 ACH and Triple Purification helps realize Mechanical Distancing™.

Note: Chevy Suburban and Ford Fusion are trademarks of their respective companies and the sizes of these vehicles are used for illustrative purposes. No endorsement by Chevrolet or Ford is implied.

### Zero Particles at Air Outlet



### Triple Purification

- 1 0.2 lbs of Activated Carbon blend in the **Gas & Odor Filter** removes VOCs, odors, and ozone.
- 2 1.1 sq.ft. of **cHEPA Filter** removes particles down to 3nm (0.003µm). 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 AG25)

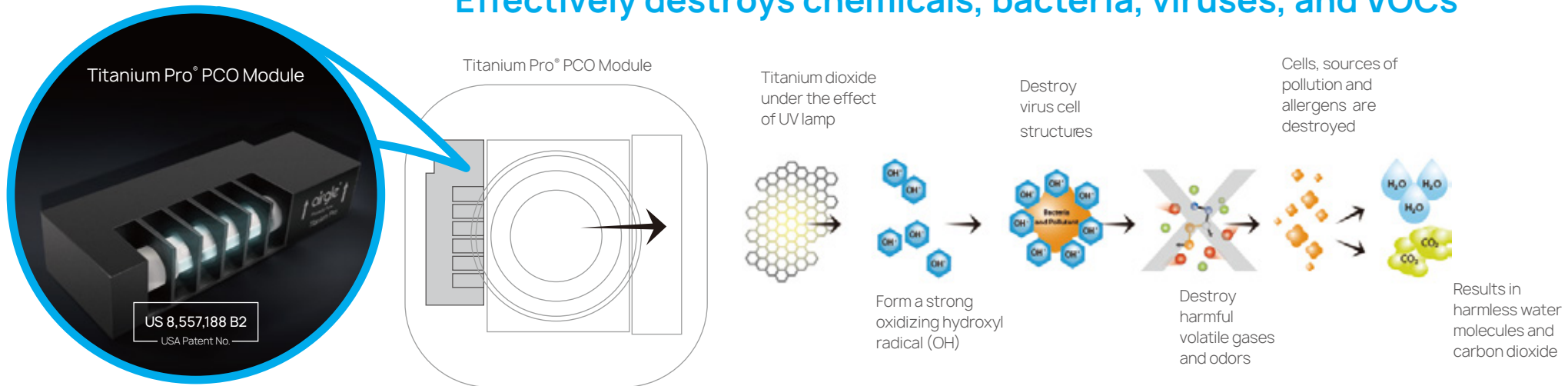
# The Airgle Titanium Pro® Difference

Every minute, the patented, state-of-the-art **Titanium Pro®** module sends out millions of hydroxyl radicals<sup>1</sup> 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.

Car 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!

- 💡 4 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



1) The Titanium Pro® module creates hydroxyl radicals by exposing titanium oxide (TiO<sub>2</sub>) 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 car or office.



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## Basic Installation

Airgle AG25 Personal Air Purifier can be attached to the back of a seat, or placed flat in the car. It is powered through an adapter plugged into the cigarette lighter socket in a car. For use in a home or office, the AC adapter can be used.

Airgle AG25 air purifier features an auto temperature control setting. If placed inside a car, it will automatically monitor the temperature. When the temperature inside the car exceeds 113°F (45°C), the machine will automatically activate the self protection function and enter standby mode.

## Advanced Installation

The Airgle AG25 Personal Air Purifier can be hardwired into a car's electrical system. When this advanced installation is done, the AG25 can provide Automatically Activated Operation even when a car engine is off. This ensures refreshing air when you get into the car the next morning! The AG25 air purifier is equipped with auto shut off technology, ensuring you never have to worry about wasting energy.

# Specification



Product Name:	Airgle Personal Air Purifier (AG25)
Coverage Size:	Car environment and personal space
Clean Air Delivery Rate (CADR):	9 cfm
cHEPA Technology:	99.999% @ 0.003 $\mu$ m
Formaldehyde Removal:	99%
Bacteria Removal:	99%
Fan Speeds (CFM):	Low: 4.2 High: 9.9
Noise Level:	41 ~ 55 dB(A)
Power Adapter:	Input: AC100-240V / Output: 13.5V DC 2.6A
Maximum Power Consumption:	8W
Product Dimensions (LxWxH):	9.5 x 9.5 x 2.76 in.
Cigarette Lighter:	12V DC



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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.

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.