

AURABEAT

safe and clean air for all

AG+ Pro Medical Grade Silver Ion Antiviral Air Purifier
5 in 1 Antiviral Air Purifier (NSP-PCO)



15

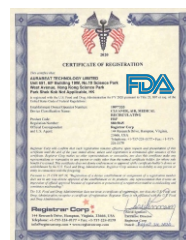
FDA

>99.9% COVID-19
(SARS-CoV-2)

**ELIMINATE > 99.9% OF COVID-19 (SARS-CoV-2)
WITHIN 15 MINUTES**



www.aurabeat-th.com
www.aurabeat-thailand.com



Aurabeat AG+

ELIMINATE >99.9% OF COVID-19 (SARS-CoV-2) WITHIN 30 MINUTES

In addition to general disinfection against common microorganisms, the Aurabeat AG+ 5 in 1 Antiviral Air Purifier is also proven to be effective against the coronavirus. According to third party testing results by a U.S. virology laboratory, Aurabeat silver ion technology can effectively eliminate >99.9% of COVID-19 (SARS-CoV-2) in 30 minutes. Effective coverage ranges from 37m² to 43m². It can protect ordinary homes, offices, classrooms and shops to greatly reduce the risk of virus transmission via air.





PROVEN BY AUTHORITATIVE U.S. VIROLOGY LABORATORY

According to the actual experimental test result using COVID-19 by the U.S. virology laboratory MRI Global, Aurabeat silver ion technology can effectively eliminate >99.9% of COVID-19 within 30 minutes. Other experimental tests have also proven that Aurabeat AG+ air disinfection technology can kill >99.9999% fungi, >99.99% Staphylococcus aureus, >99.98% E. coli, and >99% of all airborne bacteria.

Studies have shown that silver ions can also effectively eliminate the following viruses, bacteria and fungi:



Viruses

Coronavirus

Influenza
A Virus

Herpes Simplex
Virus

Human Immunodeficiency
Virus



Bacteria

Staphylococcus Aureus

Escherichia Coli

Pseudomonas Aeruginosa



Fungi

Candida Albicans

Candida Krusei

Aspergillus Flavus

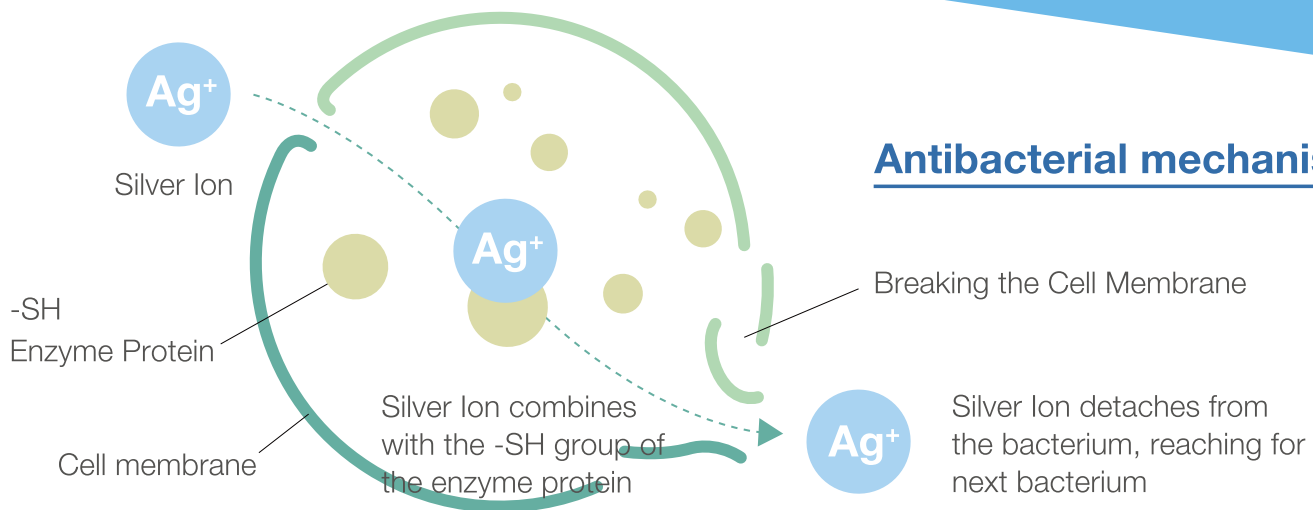
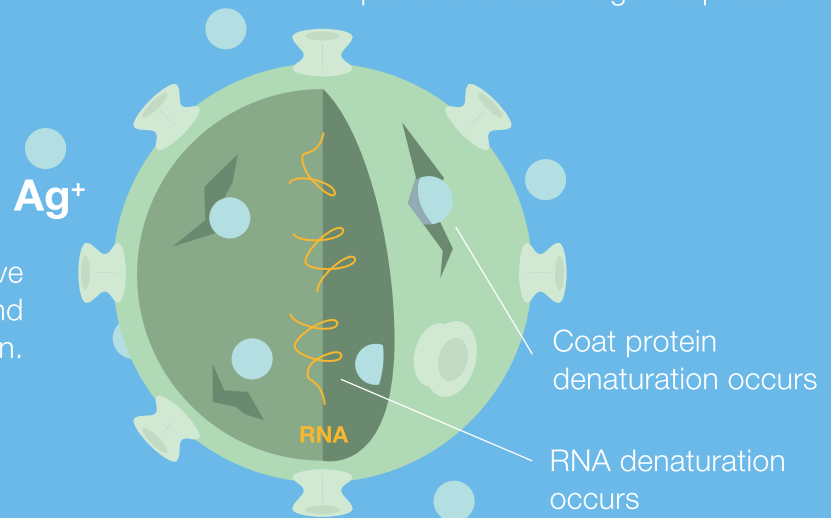
Penicillium Vulpinum

SILVER ION (AG⁺): THE NEMESIS OF BACTERIA AND VIRUS

Ag⁺ ions interact with the viral surface proteins and damage the protective coat

Antiviral mechanism

Ag⁺ ions pass through the defective coat and enter into the virus, and bind to the genome causing denaturation.



Antibacterial mechanism

This product uses silver ion air filtration technology. Silver ions are the nemesis of bacteria and viruses and have been widely used in medical applications. There are five mechanisms for silver ions to suppress and eliminate viruses. When the silver ions come into contact with the virus, the virus's ability to infect and replicate will be greatly suppressed.



Effectively degrade and destroy viruses



Suppress virus activity and infectivity



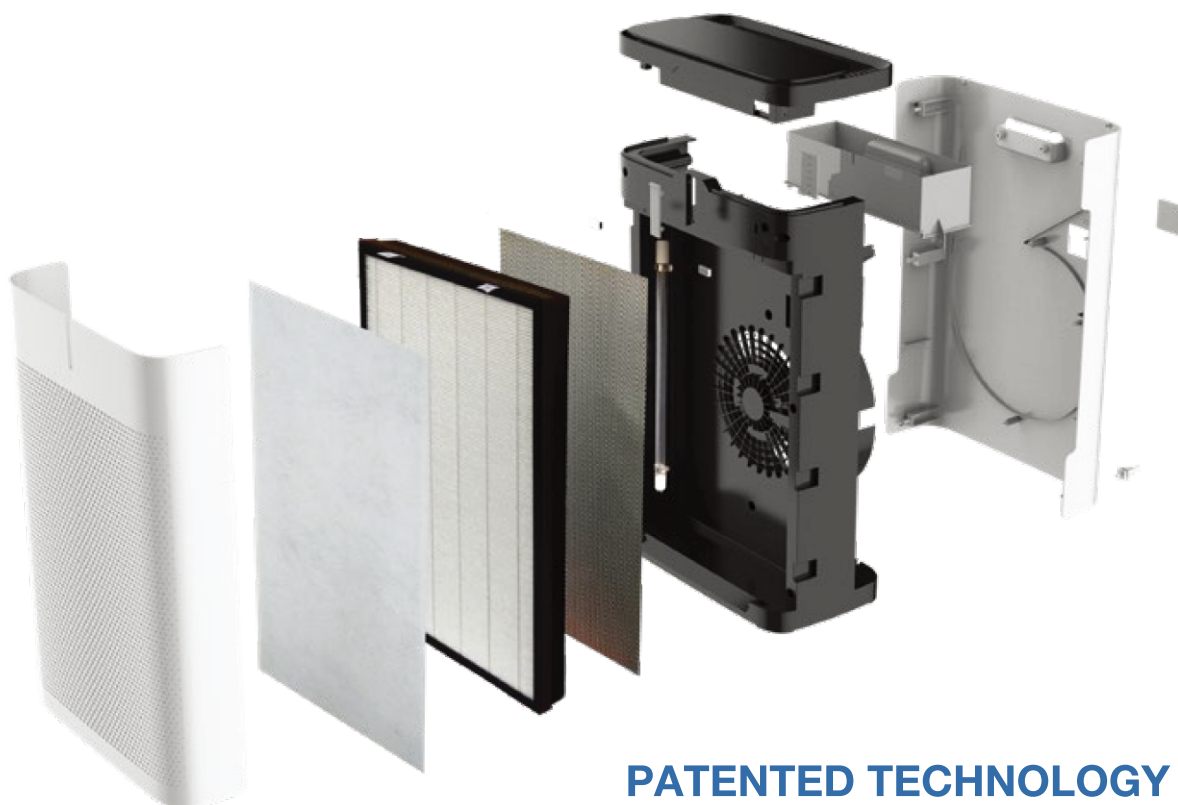
Destroy the DNA and RNA of viruses



Prevent viruses from attaching and invading cells



Suppress virus replication



PATENTED TECHNOLOGY AND 5 FILTRATION MECHANISMS

1



PRE-FILTER

Captures hair, fibre, particles, dander, etc.
Can be vacuumed and reused.

2



HIGH EFFICIENCY SILVER ION AIR FILTER (HEPA)

99.97% filtration efficiency (HEPA) for PM0.3, and
can filter airborne particles $\leq 0.01\mu\text{m}$. The filter
combined with silver ions can effectively eliminate
COVID-19, general viruses, bacteria and mould.

3



PHOTOCATALYTIC OXIDATION LAYER

Decomposes virus, microorganisms, odor and
hazardous gas pollutants.

4



UVA DISINFECTION LAYER

UVA lamp sterilizes the air and eliminates virus.

5



PLASMA STERILIZATION

Positive and negative ions generated by the
plasma generator neutralize in the air, producing
a great amount of energy in order to destroy
microorganisms.

HONG KONG BRAND RESEARCH PROVEN



Aurabeat, headquartered in the Hong Kong Science and Technology Park, is committed to providing sustainable, pollution and virus-free clean air for everyone in the world. Its world-class R&D team boasts decades of experience in engineering and environmental science relating to Severe Acute Respiratory Syndrome (SARS), airborne disease transmission and air purification. Aurabeat is dedicated to meeting the needs of both business and consumers, protecting homes, offices, and businesses, to greatly reduce the risk of airborne transmission.

INTELLIGENT MODE ACCURATE ADJUSTMENT



SPEED



TIMER



SLEEP



PLASMA



CHILD LOCK



STERILIZE

The Aurabeat AG+ 5 in 1 Antiviral Air Purifier has a built-in Intelligent Mode, using accurate sensors to monitor indoor air pollution levels and adjust the airflow rate, with 3 wind speed options. The airflow rate of the machine also ensures 3 to 4 air changes and disinfections per hour. The efficient triple-disinfection technology can handle any number of people.

HIGH EFFICIENCY SILVER ION AIR FILTER (HEPA) OVER 2 YEARS ANTIVIRAL AND ANTIBACTERIAL PERFORMANCE



PRE-FILTER



AG+ HIGH EFFICIENCY
SILVER ION ANTIVIRAL AIR FILTER



NANO-CRYSTALLINE
FILTER



UV DISINFECTION
LAYER

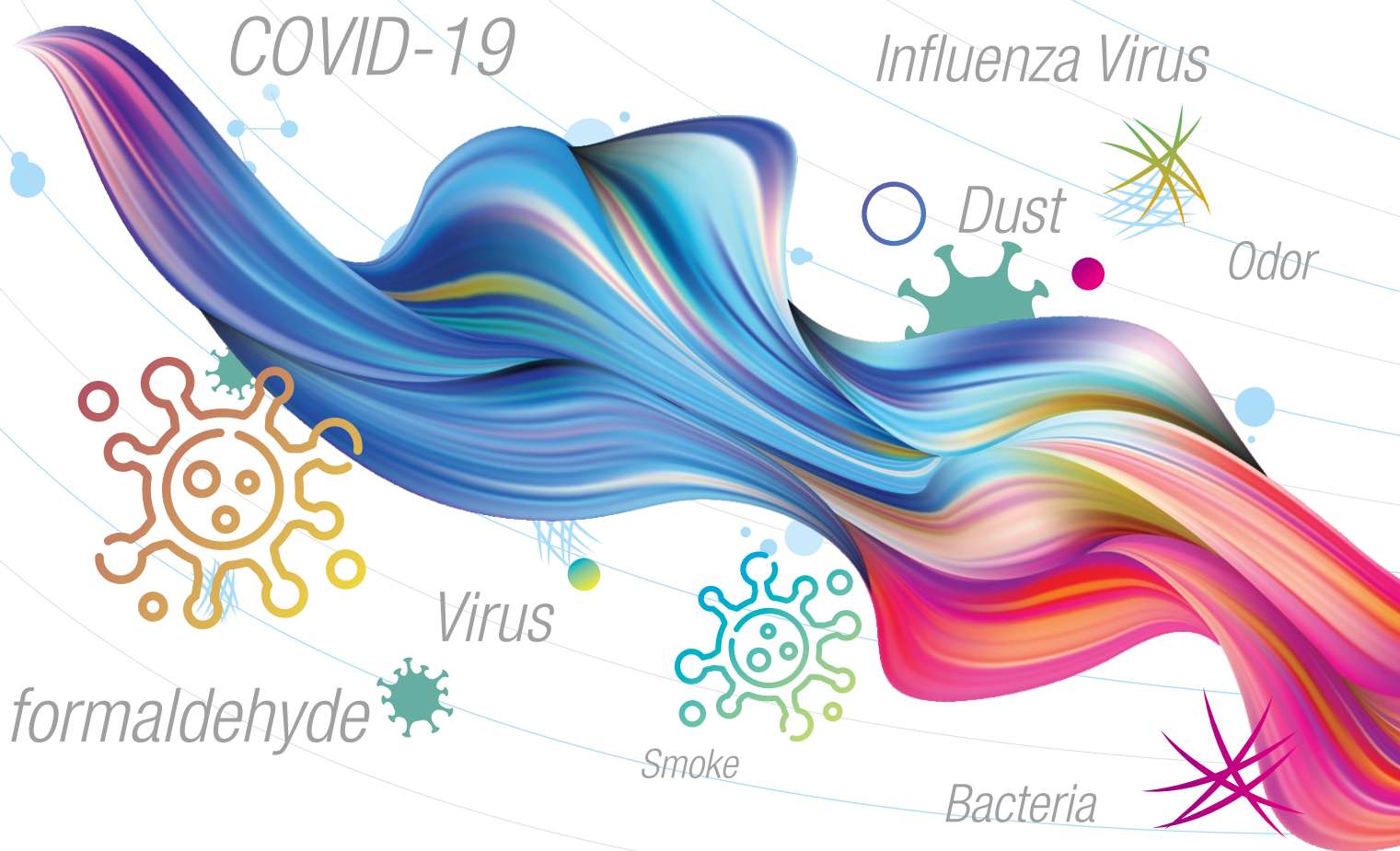


PLASMA
STERILIZATION

Our products are delivered with a set of High-Efficiency Silver Ion Air Filters (with pre-filters) and Photocatalytic Oxidation Layer. The High-Efficiency Silver Ion Air Filter generally needs to be replaced within 6 to 18 months. The product has an intelligent reminder after 2000 hours of use. Please check the status of the filter regularly. The filter has to be replaced if it turns black in colour.*

*Non-volatile silver ion technology can continuously eliminate bacteria and viruses. No harmful substance will be released during the purification process. Our air purifier can be used safely.

AIR POLLUTION DOES AFFECT HEALTH



The health risks posed by air pollution are ignored by most people. The most common air pollutants include carbon monoxide, nitrogen dioxide, ozone, suspended particles, formaldehyde, microorganisms, sulphur dioxide and lead. For those living in cities, it's not just the air pollutants being carried inside through open doors and windows - cooking odours, the use of disinfectants to clean our homes, and pet hair all add to the air pollution in our homes, and this pollution accumulates daily. The level of indoor pollution is often more serious than outdoor pollution.

Globally, the number of deaths caused by air pollution is estimated at 8.8 million each year. In addition to respiratory diseases, the inhalation of PM2.5 suspended particles in the air increases the risk of cardiovascular diseases such as heart disease and stroke.

GENERAL AIR PURIFIERS CANNOT ELIMINATE VIRUSES WHICH CAN EASILY CAUSE SECONDARY POLLUTION



The COVID-19 is an aerosol transmissible disease. Coughing or sneezing launches viruses into the air where they can then spread to others by air current. Therefore, it is important to defend against airborne viruses in the home. Most air purifiers on the market can only physically block bacteria and viruses on the surface of their filters. The filters cannot destroy the virus, which allows them to survive on the filters themselves. When a filter is fully loaded, dust particles and viruses on the filter's surface will re-enter the air. When moving, replacing or cleaning the filter, the accumulated viruses will also re-enter the air, putting your home at risk of infection.

Model No. **NSP-PCO**

Voltage (V) **AC220V**

Power **120W**

Dimensions **390 x 211 x 628mm**

Max. noise level (dBA) **≤58**

Particulate CADR (m³/h) **330**

Max. Area (m²) **43**

Silver ion for antivirus ✓

Plasma sterilization ✓

Filtration Efficiency **≥99.97% (H13 level)**

UVA disinfection ✓

PM2.5 removal ✓

Formaldehyde removal ✓

Toluene removal ✓

TVOC removal ✓

Filter replacement reminder ✓

Filter Life **6-18 months (2000 hrs)**

Fan Speed Settings **3**

Smart Mode ✓

PM2.5 Sensor ✓

Timer ✓

Sleep Mode ✓

Quiet Mode ✓

Child Lock ✓

Net Weight **7.92kg**

AUTHORITY CERTIFICATION



COVID-19 (SARS-CoV-2) TCID50 Assay with Vero E6 Cell System (ATCC CRL-1586)

- ▶ Proven that Aurabeat technology can eliminate >99.9% of COVID-19 (SARS-CoV-2) within 30 mins



ASTM G21-15 Standard Practice for Determining Resistance of Synthetic Polymeric Materials to Fungi

- ▶ Proven performance on killing fungi (>99.9999% elimination)



Technical Standard for Disinfection – Tested against Staphylococcus Aureus, Staphylococcus Albus, Escherichia Coli, and Natural airborne bacteria

- ▶ Proven that Aurabeat technology can effectively kill Staphylococcus Aureus, Staphylococcus Albus, Escherichia Coli, and natural airborne bacteria (>99%-99.99%)



GB/T 18801-2015 B Clean Air Delivery Rate (PM 0.3 and above)

- ▶ Proven that Aurabeat technology can effectively filter airborne particles (99% reduction in 20 minutes)



AURABEAT official website and distributor

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Aurabeat Technology Limited

AG+ Pro Silver Ion Antiviral Air Purifier

NSP - PCO

- ♦ Combination of silver ion, ultraviolet light, and plasma triple air disinfection technology
- ♦ Eliminates 99.9% of COVID-19 (SARS-CoV-2) in 15 minutes
- ♦ Patented 5-stage Sterilization Purifying Technology
- ♦ Certified by FDA as medical grade II device
- ♦ Intelligent Mode, accurate adjustment
- ♦ Instant PM 2.5 Inspection
- ♦ Instant Air Quality Indicator
- ♦ Filter can be used up to 2 years

Patented 5-stage Sterilization Purifying Technology



PRE-FILTER

Captures hair, fibre, particles, dander, etc.
Can be vacuumed and reused.



UV DISINFECTION LAYER

UV lamp sterilizes the air and eliminates virus.



PLASMA STERILIZATION

Positive and negative ions generated by the plasma generator neutralize in the air, producing a great amount of energy in order to destroy microorganisms.



AG+ HIGH EFFICIENCY SILVER ION ANTIVIRAL AIR FILTER

99.7% filtration efficiency for PM0.3, and can filter airborne particles $\leq 0.01\mu\text{m}$. The filter combined with silver ions can effectively eliminate COVID-19, influenza virus, general viruses, bacteria and mould.



PHOTOCATALYTIC OXIDATION LAYER

Decomposes virus, microorganisms, odor and hazardous gas pollutants.

Specifications

Voltage	AC220V
Power	120w
Dimensions	390×211×628 mm
Max. noise level (dBA)	≤58
Particulate CADR (m³/h)	330
Max. Area (m²)	43
Silver ion for antiviral	✓
Plasma sterilization	✓
Filtration Efficiency	≥ 99.97% H13 Level
PM2.5 removal	✓
UVA Light	✓
Formaldehyde removal	✓
Toluene removal	✓
TVOC removal	✓
Filter Replacement Reminder	✓
Filter Life	6-18 months
Fan Speed Settings	3
Smart Mode	✓
PM2.5 Sensor	✓
Timer	✓
Sleep Mode	✓
Quiet Mode	✓
Child Lock	✓
Net Weight	7.6kg

Authority Certification



- COVID-19 virus (SARS-CoV-2) TCID50 Assay with Vero E6 Cell System (ATCC CRL-1586)
- Proven that Aurabeat AG+ Antiviral technology can eliminate >99.9% of COVID-19 (SARS-CoV-2) within 30 mins



- Cytotoxicity test on human cell - Medical Research Council cell strain 5 (MRC-5)
- No cytotoxicity to human cell



- Airborne Influenza Virus Elimination Test
- >99.9% Elimination on 2 Subtypes of Airborne Influenza Virus
- SGS Bacteria Elimination Test - >99.9% Elimination on Staphylococcus Aureus and Escherichia Coli



- ISO 10993-10 Biological evaluation of medical devices - Tests for irritation and skin sensitization
- Proven that the technology does not cause any skin irritation



- FDA Registered 510(k) Class II Medical Device
- FDA approved as medical grade sterilization air purifier



- Restriction of Hazardous Substances Directive (EU) 2015/863 amending 2011/65/EU
- Products complies with the safety requirements of restricted chemical substances



- EN1822-3:2009 High efficiency air filters (EPA, HEPA and ULPA). Testing flat sheet filter media
- AG+ Silver Ion Antiviral Air Filter can filter particles of size down to 0.015µm (15nm)



- UL867 - Electrostatic Air Cleaners, Ozone Emission Compliance
- Product Ozone emission level complies US standard



AURABEAT

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