

MayAir[®]

AIR PURIFIER AP-401

Keeping you safe from virus & bacteria!



PRODUCT DIMENSION



SARS-CoV-2 viral particles spread between people more readily in indoors than outdoors. The indoor concentration of viral particles is often higher than outdoor, where a portable HEPA filtration unit that combine HEPA filter with optimum fan system would be a preferred option for auxiliary air cleaning, especially in higher risk settings.

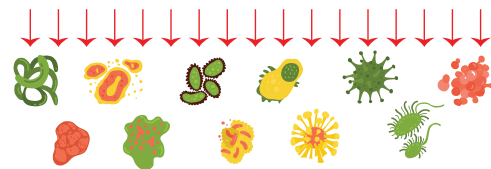
Content source: National Center for Immunization and Respiratory Diseases (NCIRD), Division of Viral Diseases



NANO-PHOTOCATALYST

REVOLUTIONARY TECHNOLOGY

- Decomposition and inhibition of harmful microbes.
- Purifies the air qualitatively rather than quantitatively.
- Outer layer of the ultraviolet lamp is covered with TiO₂ titanium dioxide coating for enhanced purification.



COMPOUND FILTERS

PURAWARD ANTIBACTERIAL FILTER + ACTIVATED CARBON + HEPA FILTERS

- 1st Stage: Equipped with antibacterial filter that can kill up to 99.98% of target microbes.
- 2nd Stage: Activated carbon filter can effectively absorb, adsorb and decompose toluene, formaldehyde, odors and other TVOCs.
- 3rd Stage: Medical grade HEPA filter can effectively filter tiny particulate matters and microorganisms.

Approved by :



PARTICLE SENSORS

AIR QUALITY MONITORING

- Utilises the principle of light scattering through irradiation of suspended particles in the air and scientific algorithms to indicate the respective concentration of air particulates in the air stream.
- Complimentary with in-built sensors for monitoring of the ambient air quality. Depending on the amount of pollutants detected by the sensor, the air purifier can automatically adjust the air flows accordingly while auto-mode is applied.

NEGATIVE IONS

VITAMINS IN THE AIR

- To purify, remove dust, deodorize & sterilize the air, making the purified air to be fresh & natural.
- High concentrations of negatively-charged ions can significantly decrease airborne viral and bacterial particles within the covered area for extra protections.
- Exposure to anions can effectively improve the function of the cilia in your respiratory tract that protect your lungs from irritation and inflammation, thus contributing to less respiratory problems.





SPECIFICATIONS

MODEL	AP-401
Dimension (WxHxD)	410x680x240 (mm)
CADR	684 (m ³ /h)
Service Area	55 (m ²)
Air Volume	600 408 264 216 (m ³ /h)
Power Consumption	85±5 45±5 25±5 13±5 (W)
Noise	60 53 48 34 (dB[A])
Weight	10 (kg)
Power Supply	1 (Ph) / 220 (V) / 50 (Hz)
Mode of Control	Manual Remote
Anion Concentration	3x10 ⁶ (ion/cm ³)
Sterilization	99.0%

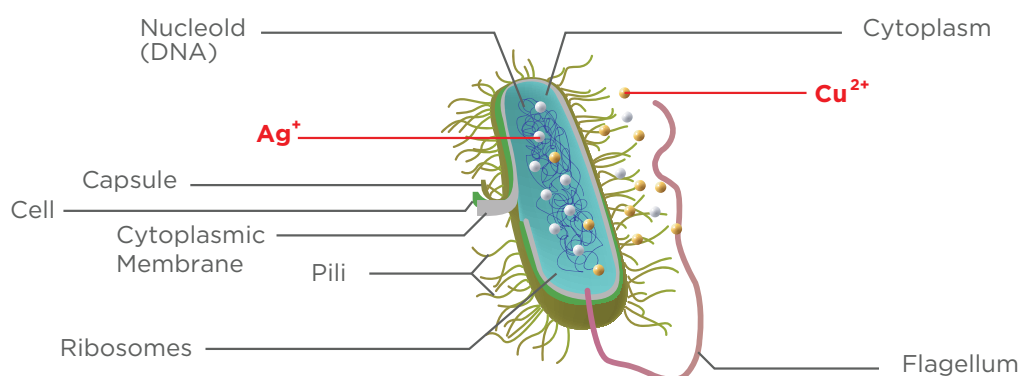
SUPERIOR ANTIBACTERIAL EFFECT

Through the perfect combination of Silver and Copper ions by destroying the microbes' protein structures that subsequently lead to the loss of it's protein activities that could then further inhibit the microbes' growth.

Anti-viral fiber contains substances that can produce low pH value on the surface of the fiber. The low pH environment will change the three-dimensional structures of the viral proteins, and cause the spatial structure of the proteins to be irreversibly denatured. It will then subsequently cause the virus to lose its ability to bind to its host cell receptor and suppress it's growth eventually.

REMOVAL EFFICIENCY	
PM2.5	99.9%
Formaldehyde	>90.0%
Staphylococcus Aureus	99.0%

*PURAWARD REMOVAL EFFICIENCY	
H1N1 Virus	99.91%
SARS Virus	99.58%
H7N9 Virus	99.98%



PURAWARD TECHNOLOGY

The raw materials of PuraWard fiber are 100% extracted and processed from non-toxic and non-transdermal recycled plastic without any harmful outgassing by using cutting-edge fiber processing technology.

PuraWard fiber is made of unique silver ions and copper ions which can provide natural, continuous, safe and effective bactericidal as well as anti-viral protection up to 99.98% of target viruses and bacteria.



TYPES OF VIRUSES

(5 MINUTES CONTACT TIME)



Swine flu (H1N1)



Influenza A (H3N2)



Avian influenza (H9N2, H5N1, H7N9)



Atypical Pneumonia (SARS)



Equine flu (H3N8)



Influenza B

TYPES OF BACTERIA

(1 HOUR CONTACT TIME)



Methicillin-resistant Staphylococcus aureus (MRSA)



Streptococcus pyogenes



S. aureus (S. aureus) (99.95% / contact for 1 hour)



Haemophilus influenzae



E. coli (99.96% / contact for 1 hour)



C. albicans (98.90% / 24 hours exposure)

CONTROL PANEL & REMOTE CONTROL



Child Lock



Timer: 2H, 4H, 8H



Air Flow: High, Medium, Low



Sleep Mode:

Ultra low noise



Filter Indicator



Air Quality Indicator:

Auto adjustment of air flow mode