



# AIR PURIFIER AP-401

KEEPING YOU SAFE FROM  
VIRUS & BACTERIA



We spend more than 70% of our time indoors, there are countless health killers hidden in the indoor air dust, bacteria, smoke, particulate impurities, dust mites, viruses, chemical gases, molds, odors, and etc. Solving the indoor air pollution imminently will keep you and your family safe.

## PRODUCT DIMENSION

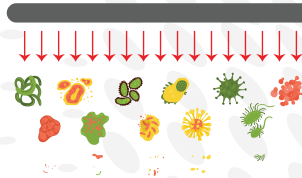




## NANO PHOTOCATALYST

### REVOLUTIONARY PURIFYING TECHNOLOGY

- Decomposition and inhibition of harmful bacteria  
It purifies the air qualitatively rather than quantitatively.
- Outer layer of the ultraviolet lamp is covered with multi-layers of titanium dioxide coating for enhanced purification.



## COMPOUND FILTERS

### PURAWARD ANTIBACTERIAL + ACTIVATED CARBON + HEPA

- 1st Stage: Puraward filter comes with antibacterial effect, can kill up to 99.98% of target viruses and bacteria.
- 2nd Stage: Activated carbon filter can effectively absorb, adsorb and decompose toluene, formaldehyde, odors and other TVOCs.
- 3rd Stage: HEPA filter effectively filter out tiny particles as well as eliminate all kinds of bacteria, viruses, and microorganisms.

Approved by :



## PARTICLE SENSOR

### 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.



## NEGATIVE IONS

### VITAMINS IN THE AIR

- To purify, remove dust, deodorize & sterilize the air, making the air in the room fresh & natural.

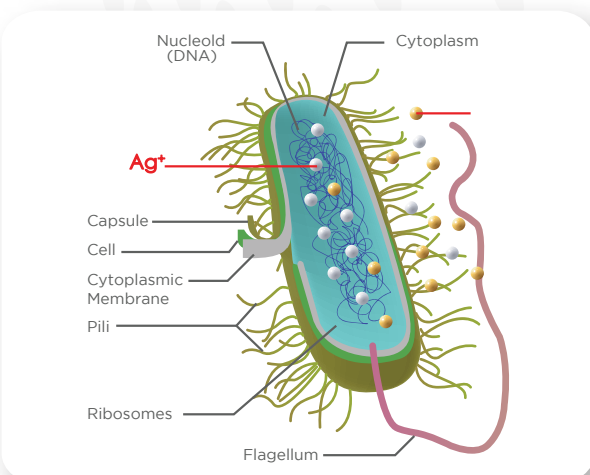


## SPECIFICATION

MODEL	401
SERVICE AREA (m <sup>2</sup> )	55
CADR (m <sup>3</sup> /h)	684
Mode of Control	Manual   Remote
Power(W)	85±5   45±5   25±5   13±5
Air Flow (m <sup>3</sup> /h)	600   408   264   216
Noise dB (A)	60   53   48   34
PM2.5 Efficiency (30m <sup>2</sup> /20mins)	99.9
Sterilization Rate (%)	99
Formaldehyde Removal Rate (%)	>90
Staphylococcus Aureus Removal Rate (30m <sup>3</sup> /2h(%))	99
Negative Ion (ion/cm <sup>3</sup> )	3x10 <sup>6</sup>
Weight (kg)	10
Dimension (WxHxD,mm)	410x680x240
Power Supply (V/Hz)	1Ph/220V/50Hz
Warranty	1 Year

**Superior Antibacterial Effect** - Through perfect combination of Silver and Copper Ions by attacking the microbes to destroy their protein structures, which subsequently lead to the loss of protein activity and further inhibit the microbes' growth.







**PURAWARD** Anti-viral fiber contains substances that can produce low PH value on the surface of the fiber. The low pH environment changes the three-dimensional structure of the viral protein, and causes the spatial structure of the protein to be irreversibly denatured, and subsequently causes the virus to lose its ability to bind to its host cell receptor, and eventually suppresses the virus's growth.



PURAWARD TECHNOLOGY	
H1N1 Virus	99.91%
SARS Virus	99.58%
H7N9 Virus	99.98%



## CONTROL PANEL & REMOTE CONTROL

-  Child Lock
-  Timer: 2H, 4H, 8H
-  Air Flow: High, Medium, Low
-  Sleep Mode: Ultra low noise, UV light shuts off
-  Filter Indicator: Indicate when filter lifespan is reached
-  Air Quality Indicator: Auto adjustment of air flow mode depending on the area served (*Normal auto mode: 2H high air flow, 2H medium air flow, 2H low air flow, then repeat.*)







## FEATURE HIGHLIGHTS

- > Energy saving: Save 30-40% of energy compared to conventional motor
- > Lower noise level (compared to conventional motor)







## PURAWARD ANTIBACTERIAL TECHNOLOGY :

The raw materials of PuraWard fiber are 100% taken from recycled plastic, using excellent fiber technology, non-toxic, no leakage, no outgassing, no transdermal. PuraWard fiber is made of unique silver ions and copper ions, which can provide natural, continuous, safe and effective bactericidal and anti-viral protection; it can be used to kill 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) |