## VLCULE

# Air-Purifier with Photocatalyst + UV LED



Clean air without Viruses

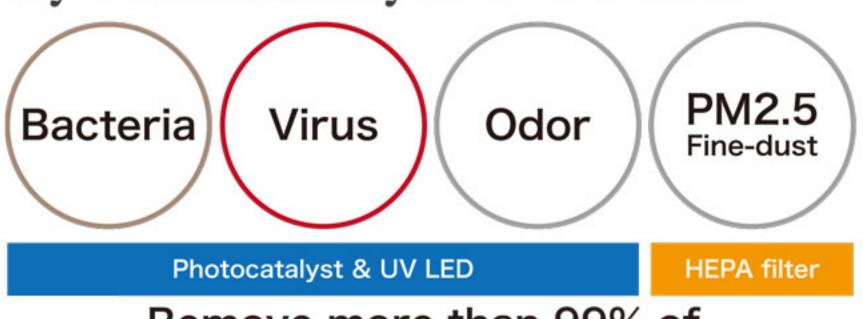
A100C

Maximun area

Maximun area  $100 \, m^2$ 

Inhale firmly with a dual fan

Disassemble Viruses & Bacterias by Photocatalyst + UV LED



Remove more than 99% of harmful substances and odors!

Possible Clean firmly

ALCURE
Technology

Photocatalyst Filter

HEPA
Filter

\*The demonstration tests have been completed at the Anti-Virus Research Institute in Public Korea and the Medical Environment Research Center in Kitasato Institute i Japan

## VLCULE

Firmly clean air to 100m<sup>2</sup> area

Shops, Offices

**Public facilities** 

Educations, Medicals

**Amusement facilities** 



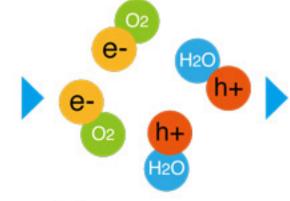
### Flow-chart of disassemble Viruses & Bacterias



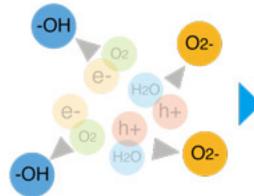
(titanium oxide) with ultraviolet rays



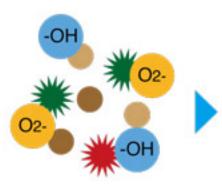
1. Irradiate the photocatalyst 2. Generation of electrons and holes from photocatalyst (titanium oxide)



3. Generated electrons and holes react with oxygen and water in the air



4. Generates active oxygen from oxygen and water



Active oxygen breaks down bacteria in the air

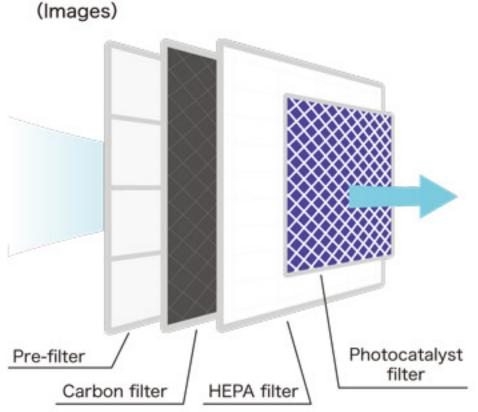


Decomposed bacteria

changed to carbon

dioxide and water

## 3 filters phase of ALCURE



ALCURE-C can remove fine-dusts, odor, viruses, and bacterias by Pre-filter, HEPA filter, and Photocatalyst filter.

#### Certificates



## **CAUTION**

- Before using, please read the instruction manual carefully and use the product correctly.
- If you use other equipment and wiring at the same time, there is a risk of abnormal heat generation in the wiring part and heat generation. Please be careful.

### Specification ALCURE A100C

Model code	A100C
Input	240V(50Hz)
Power consumption	85W
Weight	14kg
Area size	100m²
Operation Noise	40~55db
Size (WxDxH)	400mmx400mmx669mm
Photocatalyst Module	UV-A + TiO2



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