



**Dpstar Group**

# **Air Purifier Effective Against COVID-19 Virus**

*Sterilise & Keep Your Loved Ones Safe*

**GRAB YOUR  
SPECIAL OFFER NOW !**



*\*while stock last*

# UV AIR STERILIZER



ELIMINATE & KILLS

**99.9%**

VIRUS & BACTERIA

The Hidden **Air Hazards**  
Surroundings You Require  
A Fully Effective 5 Stage  
**Fresh Air Solution**



Virus such as COVID-19,  
Bacteria in the air



Unwanted smell



Pollen allergens from pet



Pet dander



Formaldehyde, toluene and  
other harmful gases



Pollution from Outside

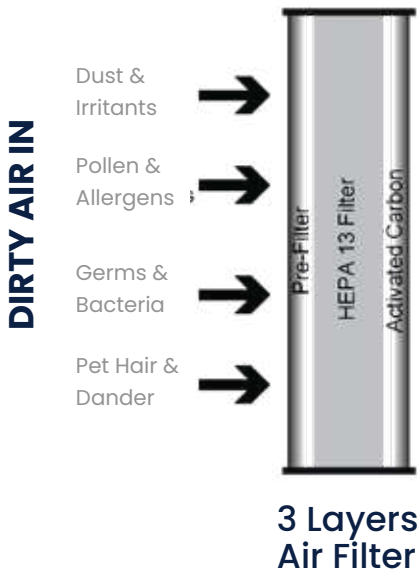
The sun is a natural atmospheric germ controller. Unfortunately, it is prevented from performing this function indoors. However, this problem can be solved with specially designed UV Germicidal (UVGI) Disinfection Systems, which generate light similar to sunlight. The short wave UVGI light/ray reduces or eliminates germs such as bacteria, viruses, mold, fungi and spores from the indoor air of homes, offices and public buildings. UVGI has been used for decades in commercial settings and now it is widely popular for residential use. Just as important, the KENDO UVGI Disinfection and Sterilization System will accomplish the sun’s job indoors both efficiently and inexpensively.

**KENDO Air Sterilizer**  
*Uses Not Only*

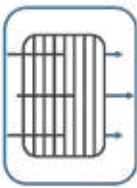
Grade Hepa 13 Filter

Active Carbon & Cold Catalyst Filter

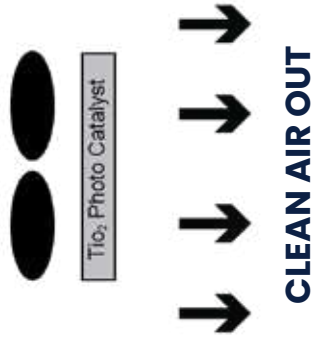
*but also*  
UVC & UVA Led With Photocatalyst  
UV-C UV-A



Filter of Fine dust, Pollen Allergens by Pre-Filter HEPA13 Filter and Activated Carbon Filter.



- Dust
- Pollen
- Allergens
- Animal Fur
- Harmful Chemicals



Deodorization & Sterization by UVA + PCF & UVC LED



- Virus
- Bacteria
- Mold Spores
- VOCs

ELIMINATE & KILLS  
**99.9%**  
VIRUS & BACTERIA



## Benefits Of Sterilisation



No Hazardous  
Chemicals



Environmentally  
friendly



Effective  
Microorganism Control



High Flow  
Rate Disinfection



Low  
Maintenance

Coronaviruses are RNA viruses enveloped in a lipid bilayer.<sup>10</sup> SARS-CoV-2 is a type of coronavirus. As depicted in Figure 1, lipid viruses are the least resistant microorganisms on the scale of descending order of resistance to germicidal chemicals.<sup>11</sup> Because sterilization processes render devices free from viable microorganisms including bacterial spores, and because disinfection kills most pathogenic microorganisms, it can generally be inferred that sterilization and disinfection should minimize the viability of SARS-CoV-2 (as one of the least resistant microorganisms) on surfaces and in the air in confined spaces. Moreover, air purifiers can be designed to filter out virus-sized particles.

More Resistant to Disinfectant



Less Resistant to Disinfectant

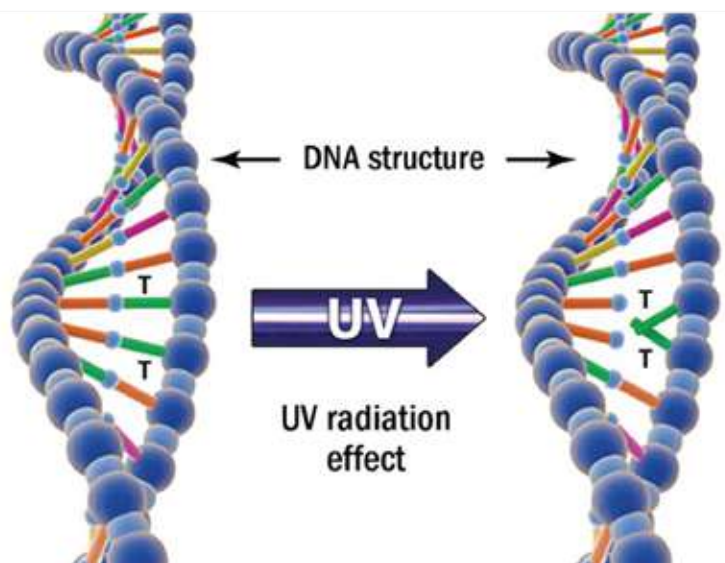
<p><b>Bacterial Spores</b> e.g. Bacillus subtilis, Clostridium difficile</p>
<p><b>Mycobacteria</b> e.g. Mycobacterium tuberculosis</p>
<p><b>Small non-lipid, non-enveloped viruses</b> e.g. Norovirus, Rhinovirus, HPV</p>
<p><b>Fungi</b> e.g. Cryptococcus neoformans</p>
<p><b>Vegetative bacteria</b> e.g. Staphylococcus aureus, Escherichia coli</p>
<p><b>Lipid, enveloped viruses</b> e.g. SARS-CoV-2, Influenza Virus A</p>

Figure 1

# // HOW DOES UV LIGHT KILL THE VIRUSES & BACTERIA?



UVGI light kills cells by damaging their DNA. Exposure to the electromagnetic radiation light at certain UV wavelengths modifies the genetic material of microorganisms and destroys their ability to reproduce. The UV energy triggers the formation of specific thymine or cytosine dimers in DNA and uracil dimers in RNA, which causes the inactivation of microbes by causing mutations and/or cell death as well as failure to reproduce. UVGI light can kill all bacteria, including drug-resistant bacteria because UVGI rays is actually attacking the DNA and RNA of microbes. While the amount of UV needed to kill a microbe may vary as there is a relationship between the size of DNA molecules and the effect of UV radiation, there have been no reports of microbes demonstrating an ability to build an immunity to light-based methods."



## Features

- 480 m<sup>3</sup>/h CADR
- UV-C & UV-A with Photocatalyst
- 60m<sup>2</sup> Suitable Area
- 5 Stage Filtering & Sterilizing System
- HEPA filter(H13)
- High-precision PM sensor

## Specifications

- Weight : 6.5Kg
- Dimension : 275 x 275 x 555mm
- Body Color : White
- LED Display







EVERY DETAIL PRESENT A FRESH AIR



**01**  
**Large air outlet design**  
Clean indoor air faster



**03**  
**360 degrees all-round air inlet**  
Deep Circulation of indoor air

**02**  
**Detachable replace filter**  
Open with a single tap



**04**  
**Bottom steady standing**  
Solid standing,  
No dumping





**Stage 1 :**

Pre-Filter Removes hair, dust, cotton fibers and other large particles

**Stage 2 :**

HEPA filter Allergens, Animal fur, Harmful chemicals, 0.3µm particle, Pollen, Dust

**Stage 3 :**

Active Carbon Filter absorbs formaldehyde, VOCs and Gases Pre-Filter HEPA Filter Active Carbon Filter

**Pre-Filter**

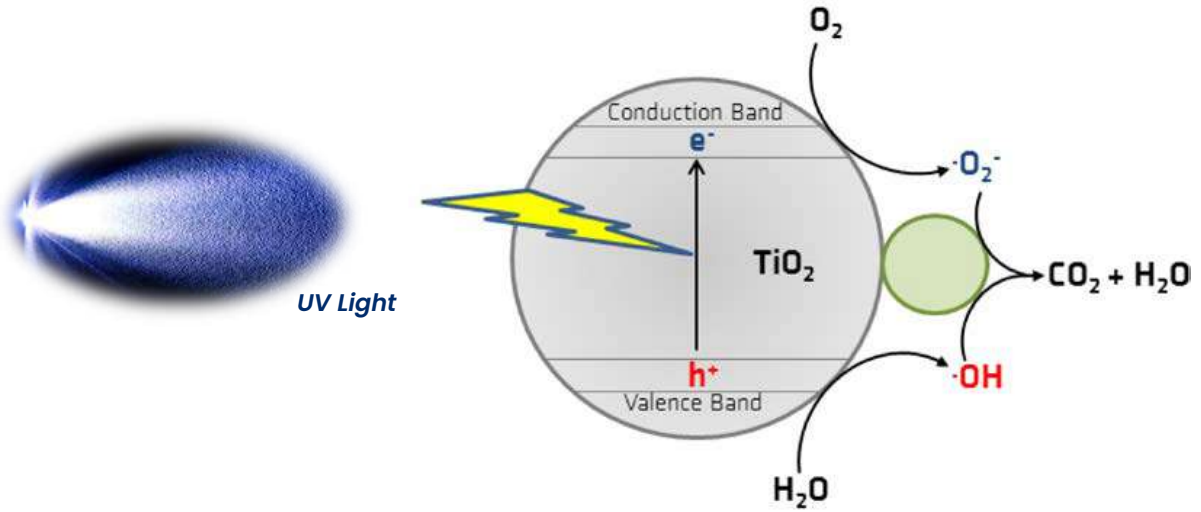
**HEPA Filter**

**Active Carbon Filter**



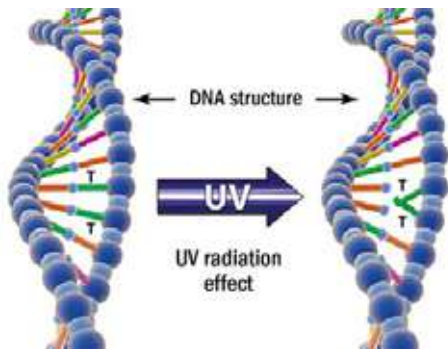
### Stage 4 :

UVA LED & Photocatalyst : VOCs, Virus, Bacteria, Fungas & Bad smell UV Light + PCF(Photocatalyst) : UV Light + TiO<sub>2</sub> → OH + O<sub>2</sub>-OH + O<sub>2</sub>- + VOC, Virus, Bacteria(C,O,H,N) CO<sub>2</sub>+ H<sub>2</sub>O + Trace elements (N<sub>2</sub>, Others)

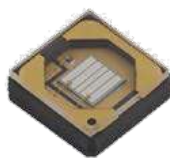


### Stage 5 :

UVC Light DNA structure of Virus, Bacteria and Others damage by UVC Light



Ceramic Photo Catalyst



UV LED

## ELEMENTS OF STANDARD PRECAUTION

Ministry of Health  
Malaysia

## RECOMMENDATION BY A CREDIBLE ORGANIZATION

**CDC**

The CDC (Centre's for Disease Control and Prevention) recommends using portable high-efficiency air filtration systems for the safe reopening of schools and office buildings, with additional consideration to include UVGI (ultraviolet germicidal irradiation) as a supplemental technique to inactivate potential airborne viruses of common occupied spaces.

**ASHRAE**

ASHRAE (American Society of Heating, Refrigeration and Air Conditioning Engineers), the primary US organization responsible for providing building standards and guidelines related to ventilation of commercial buildings, also recommends using portable high-efficiency air filtration (HEPA) system to protect against the SARS-CoV-2 virus in high density commercial and institutional spaces.



Hotels & Food-Retail Chains



Shopping Malls & Retail Chains



Hospitals & Laboratories



Educational Institutions & Schools



Pharmaceutical & Healthcare



Commercial Spaces & IT Parks

## Our Clients



Choosing the right UV Sterilizer system for your home can be simple, but if you have questions about improving your Air quality give Dpstar a call!



**Dpstar Group**

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