

Fresh Air Sterilization Box

HOLTOP



Fresh Air Solutions to Fight the COVID-19 Virus

Fresh air solutions to fight the COVID-19(UVC + photocatalyst)

Medical UVC germicidal lamp
HOLTOP customized ultraviolet germicidal lamp
can concentrate high intensity
to kill bacteria and viruses in a short time.
The wavelength of 254nm is easily absorbed by
living organisms.
The DNA or RNA, which acts on the organism's
genetic material, destroy the
DNA/RNA to kill the bacterial and virus.

12000 HOURS

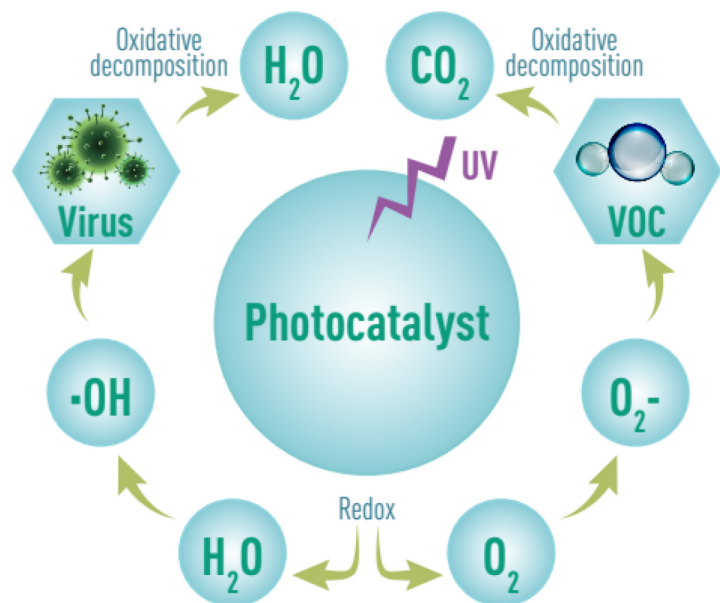
Average lamp lifetime to 12000 Hours

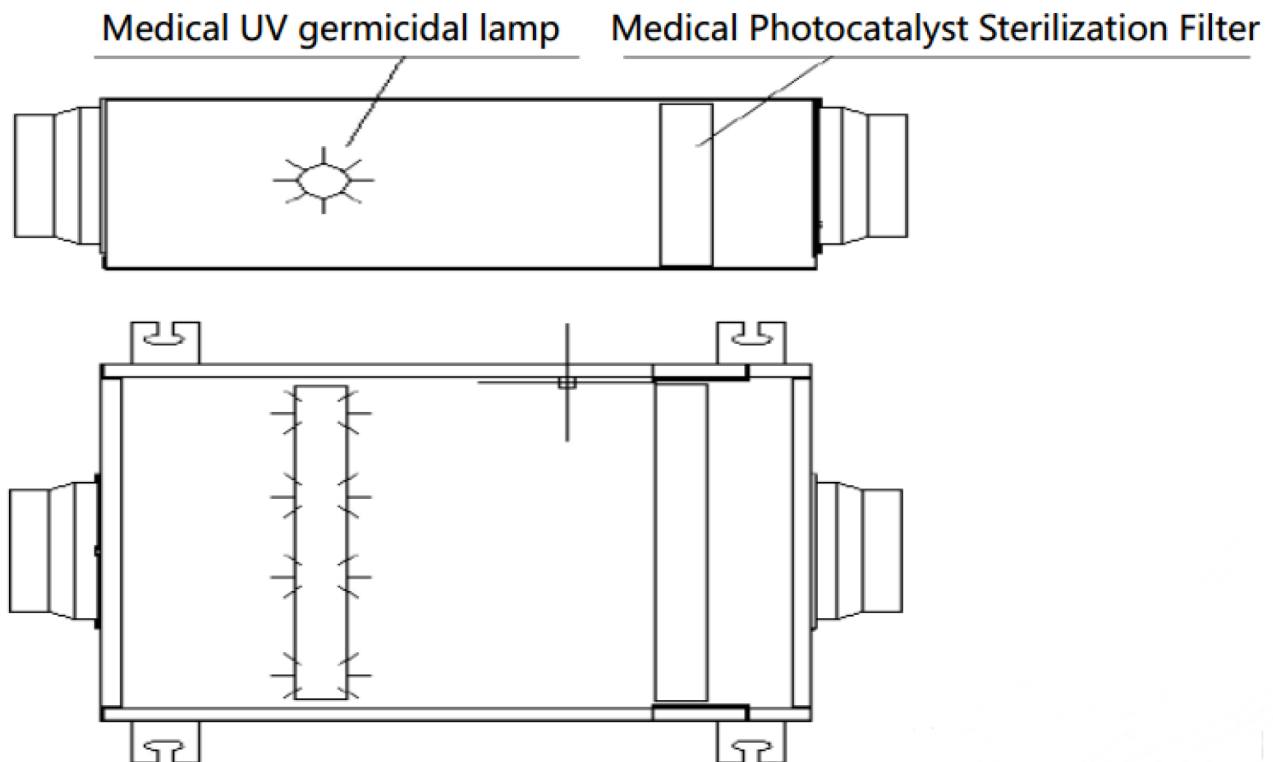
UV<25%

Low UV depreciation: less than 25%, after 8000 hrs working time, the lead of domestic products.

Medical Photocatalytic Filter

The germicidal UVC light irradiates the photocatalytic material (dioxygentitanium oxide) to combine water and oxygen in the air for photocatalytic reaction, which will quickly produce high concentration of advanced germicidal ion groups (hydroxide ions, superhydrogen ions, negative oxygen ions, hydrogen peroxide ions, etc.). The oxidizing and ionic properties of these advanced oxidation particles will decompose the chemically harmful gases and odors quickly, subside the suspended particulate matters, and kill the microbial contaminants such as viruses, bacteria, and mold.





Fresh Air Sterilization Box Specification

Specifications

Model	Disinfectant airflow (m ³ /h)	Power (W)	Duct diameter (mm)	Access port size (mm)	Machine size (W*H*D)	Weight (KG)
HUV-100	≤ 400	4	Ø 98	400x400	400x330x200	5
HUV-200	≤ 800	4	Ø 194	500x500	602x460x270	10
HUV-250	≤1300	6	Ø 242	550x550	650x520x388	12

Why is ultraviolet light capable of killing new coronavirus?

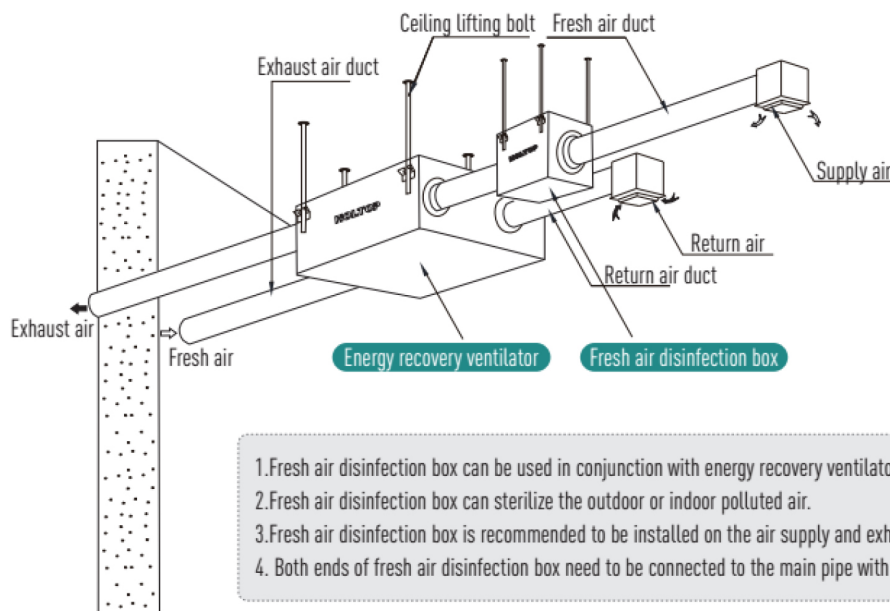
All living things, including humans, are made up of cells. Viruses are cellless. They mainly consist of protein shells and nucleic acids (the genome is composed of one or more nucleic acid molecules: DNA or RNA).

Strictly speaking, they are not living things. Because of this, the virus can only survive, metabolize, and reproduce in the cells of a certain organism. Once detached from the living body, it will die in a short time. How short depends on the strength of the virus itself. The new crown virus is replicated by RNA. The process of ultraviolet sterilization mainly

affects the nucleic acid (RNA) of the virus and destroys the virus' protein layer, which affects its survival and replication ability. This process is medically called "Inactivated".

Sterilizing objects			
Virus	Mycosporosis	Bacteria	Bacillus Anthracis
	Flu Virus		Tetanus
	Poliovirus		Shigella
	Hepatitis B virus		E.coli
Mold spores	Aspergillus Niger		Glucosamine
	Mucor		Glucococcus
	Penicillium		

Fresh air sterilization box installation with energy recovery ventilator:



Product link : <https://www.holtop.net/product/42.html>