

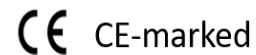
Dolphin Care UVC Air Sterilizer – for a safer environment

Features

- Four phase process
 - UVC-irradiation
 - TiO₂-coated filter
 - Carbon-filter
 - HEPA H14-filter
- Models
 - Size L: For rooms > 80m²
 - Size S: For rooms < 80m²
 - Industrial model: 1.030 m³ air/hour



Tested by Copenhagen University Hospital, Rigshospitalet in a clinical environment and in a laboratory



Functionality

Filtration and UVC-light generate sterilized air and a safer environment

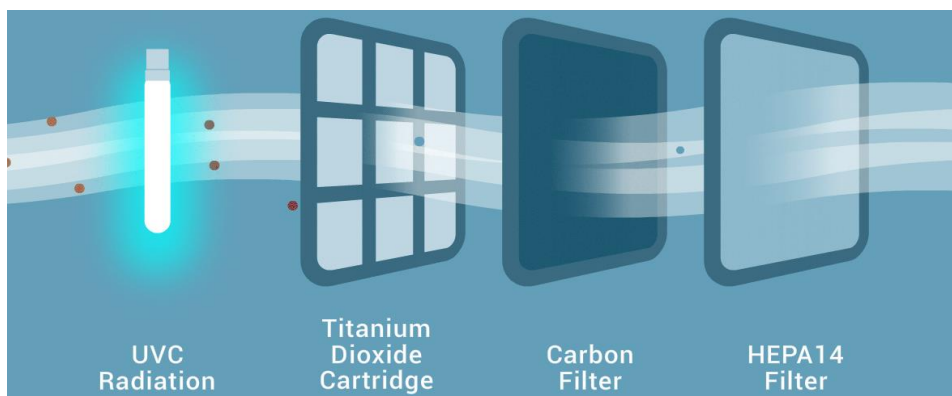
The air is irradiated by UVC-light with a wavelength of 254 nm and an intensity of 392 $\mu\text{W}/\text{cm}^2$ which destroys DNA/RNA from microorganisms in the air.

The titanium dioxide coated filter together with the UVC-light secures that the cell walls of microorganisms are destroyed.

The UVC Air Sterilizer is equipped with an active carbon filter which effectively reduces bad odor from the environment before the air is recirculated.

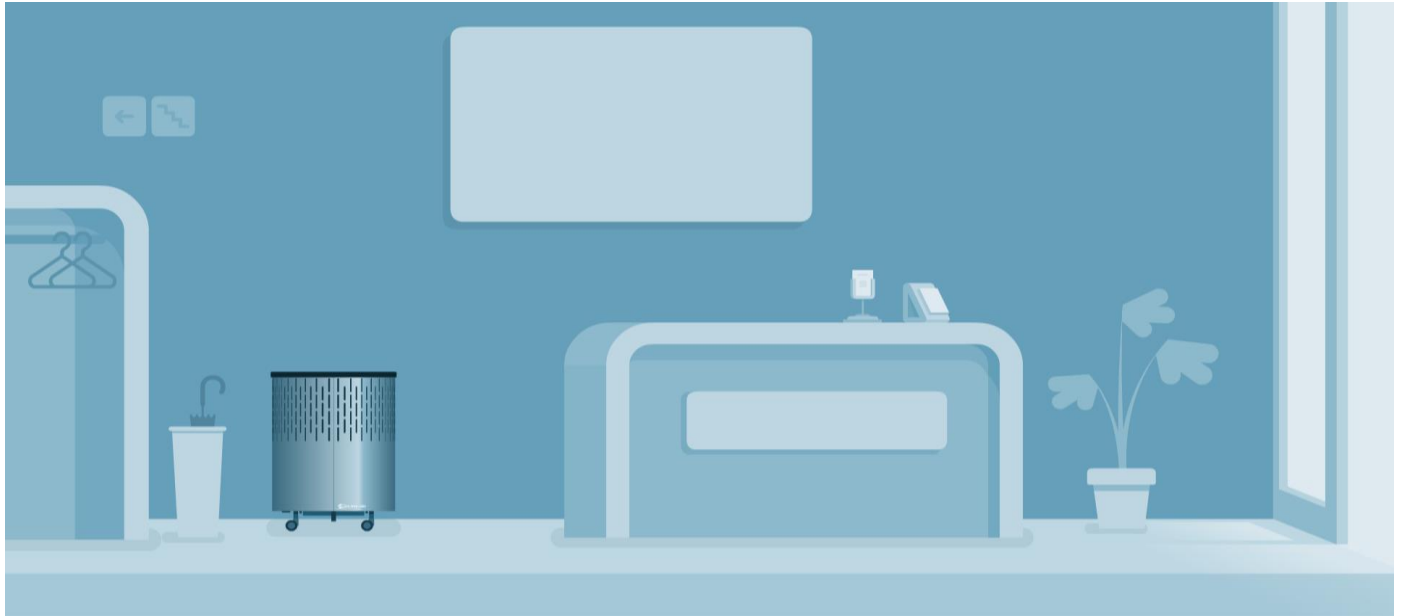
Finally, the air passes through a large volume of HEPA H14 filter, which removes 99,995 % of all particles larger than 0.16 μm .

The result of the process is sterilized air.



CONTACT

Dolphin Care ApS, Copenhagen, Denmark | info@dolphincare.net | www.dolphincare.net



Technical data

Filter components

- Carbon filter: S/0,8 m² - L & Industrial/1,2 m² 500 gr activated carbon per m²
- Titanium dioxide cartridge: S/0,75 m² - L & Industrial/ 1,15m²
- HEPA 14 filter: S/14,5 m² - L & Industrial/22,5 m²

Number of UVC lamps

- Small: 3 large UVC-lamps
- Large & industrial: 4 large UVC-lamps

Capacity

- Small UVC Air Sterilizer: Processes 400 m³ of air/hour
- Large UVC Air Sterilizer: Processes 800 m³ of air/hour
- Industrial UVC Air Sterilizer: Processes 1.030 m³ of air/hour

Electricity consumption

- Small: 4,5 kW/24hour
- Large & Industrial: 6,5 kW/24 hour

Input voltage: 220 Volt

Warranty and service

The UVC Air Sterilizer is delivered with a three-years-guarantee from delivery date.

Dolphin Care and their local distributor offer service agreements which secures that the filters and the UVC-lamps are changed once a year, thus guaranteeing the efficient dose to keep the documented efficacy.



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