

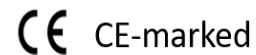
# Dolphin Care UVC Air Sterilizer – for a safer environment

## Features

- Four phase process
  - UVC-irradiation
  - TiO<sub>2</sub>-coated filter
  - Carbon-filter
  - HEPA H14-filter
- Models
  - Size L: For rooms > 80m<sup>2</sup>
  - Size S: For rooms < 80m<sup>2</sup>
  - High capacity: For lobbies, open space offices etc – 1,800 m<sup>3</sup> air/hour
  - Wall hanging industrial model



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



## Functionality

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

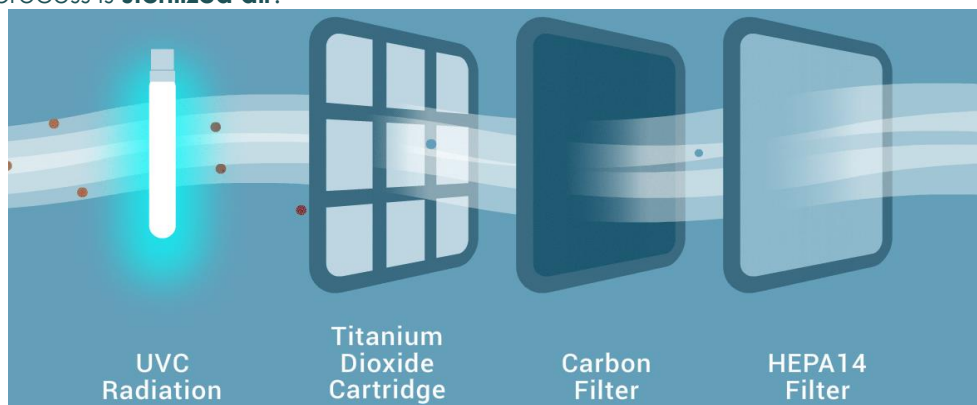
The air is irradiated by UV light with a wavelength of 254 nm and an intensity of 392 µW/cm<sup>2</sup> which destroys DNA/RNA from microorganisms in the air.

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

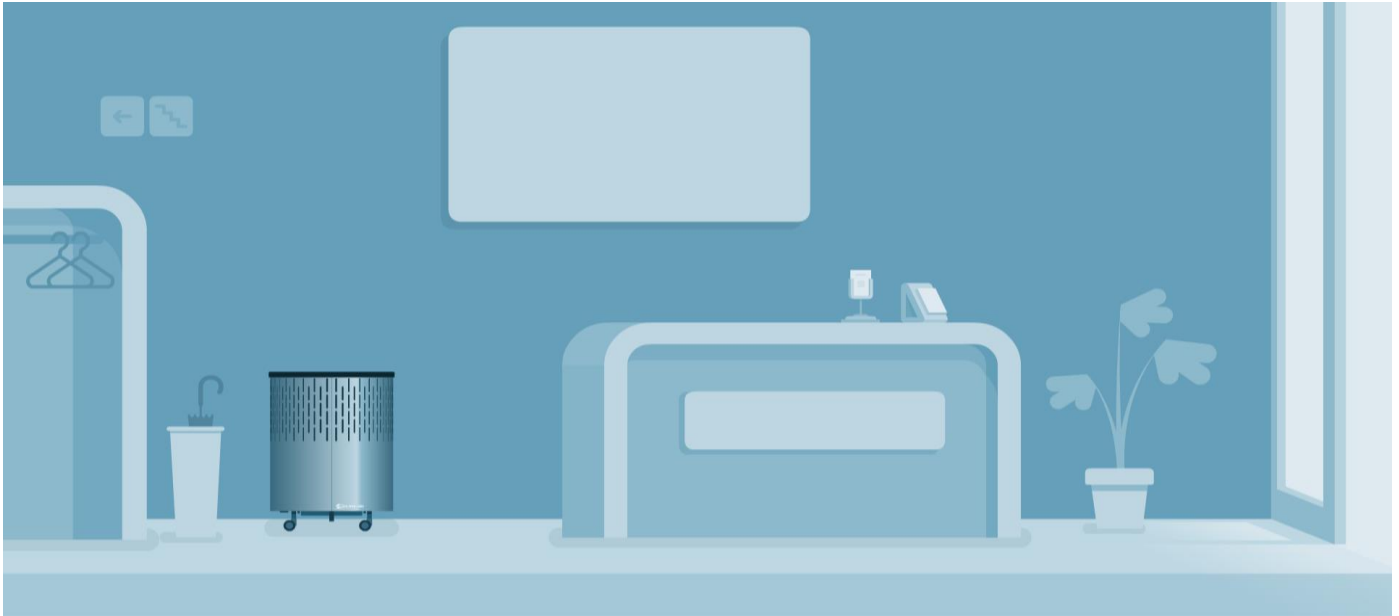
The Air Sterilizer is equipped with an active carbon filter which effectively reduces bad odor from the environment before the air is recirculated.

Finally, the air passes through a large volume of HEPA H14 filter, which removes 99,995 % of all particles larger than 0.3 µm.

The result of the process is **sterilized air**.



## CONTACT



## Technical data

### Filter components

- Carbon filter: S/0,8 m<sup>2</sup> - L/1,2 m<sup>2</sup> 500 gr activated carbon per m<sup>2</sup>
- Titanium dioxide cartridge: S/0,75 m<sup>2</sup> - L/ 1,15m<sup>2</sup>
- HEPA 14 filter: S/14,5 m<sup>2</sup> – L/22,5 m<sup>2</sup>

### Number of UVC lamps

- Small: 3 large lamps
- Large, hotel lobby and industrial: 4 large lamps

### Capacity

- Small Air Sterilizer: Processes 400 m<sup>3</sup> of air/hour
- Large Air Sterilizer: Processes 800 m<sup>3</sup> of air/hour
- High capacity/Industrial: Processes 1.800 m<sup>3</sup> of air/hour

### Electricity consumption

- Small: 13,42 kW/24hour
- Large: 19,056 kW/24 hour

Input voltage: 220 Volt



## Warranty and service

The UVC Room Disinfectant is delivered with a **three-years-guarantee** from delivery date.

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

## CONTACT

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