

## UVC Disinfection UV Box DS-04 Series

### Description

These UV systems are used to eliminate unwanted microorganisms on surfaces. Ideal for disinfecting small units such as packages, letters, tools, menus, cutlery, toys, laboratory glasses and similar utensils.

The items are simply placed in the compact stainless steel housing. Due to the mirrored inner sheet, high efficiency is guaranteed and the utensils are reliably disinfected.

The safety device ensures that the UV lamps are switched off immediately if opened during operation.

### Specifications

- Stainless steel housing mirrored on the inside.
- 2 x 254 nm highly effective UV tubes.
- For safe UV-C shielding, the viewing flap is made of polycarbonate (MACROLON®, UV-resistant and UV-impermeable).
- Automatic switch-off of the lamps when the viewing flap is opened.
- Timer for individual time setting

### Functionality

Very high-energy UV-C light triggers a photochemical reaction. The wavelength at 253.7 nm is absorbed by the cell nucleic acids and, depending on the irradiation dose, kills or damages the bacteria and fungal spores.

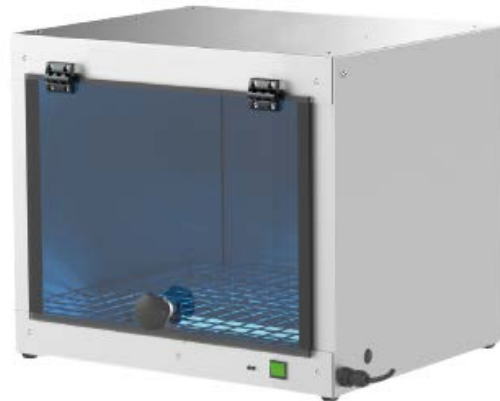
UV-C light is therefore used to specifically kill or damage microorganisms (such as bacteria/viruses, yeasts and moulds) by up to 99.99%.

UV light is used to produce ultra-pure ozone without by-products (NOx). The ozone molecules react quickly with a variety of organic/inorganic compounds. This ensures that the objects are odour-neutralised and disinfected perfectly and reliably.

The ozone produced is completely consumed by the oxidation process within a certain period of time and decomposes back into oxygen.



UV Disinfection Lock  
DS-0440



UV Disinfection Chamber  
DS-0400



### CAUTION!

Do not expose eyes and skin unprotected to short-wave ultraviolet radiation. Please wear suitable protective clothing or UV goggles.

## UVC Disinfection UV Box DS-04 Series

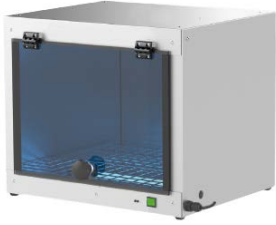


### Equipment / Assembly

The high-quality and compact stainless steel housing is equipped with two UV-C lamps and viewing flaps for safe UV-C shielding. Supplied ready to plug in with 3 m connection length.

### Option

Available with quartz plate as support (without shadow formation).

### Technical Data

Model	UV Chamber DS-0410	UV Lock DS-0400	UV Lock Large DS-0440
Figure			
Order No.	110.5517	110.5516	110.5518
Dimensions exterior (H x B x T)	425 x 500 x 450 mm	425 x 500 x 490 mm	425 x 615 x 495 mm
Dimensions interior (H x B x T)	300 x 495 x 395 mm	300 x 495 x 395 mm	315 x 538 x 390 mm
Material Housing	Stainless Steel V2A	Stainless Steel V2A	Stainless Steel V2A
UV source	2 x 254 nm	2 x 254 nm	2 x 254 nm
Hinged UV protection screen	1 (front)	2 (front and rear)	2 (front and rear)
Voltage	230V ± 10% (50 Hz) or 12 V ± 10%	230V ± 10% (50 Hz) or 12 V ± 10%	230V ± 10% (50 Hz) or 12 V ± 10%
Power	60 W	60 W	120 W
Ambient Temperature	5°C up to 30°C	5°C up to 30°C	5°C up to 30°C
Weight	approx. 18 kg	approx. 18 kg	approx. 21 kg
Marking	CE	CE	CE

AS\_032\_E 11/2024 Subject to technical changes and errors.