

In response to the current Covid-19 pandemic, we have worked with a team of virologists and physicists to develop a revolutionary air decontamination system.



The effectiveness of our UV-Cero 300 system was tested in October 2020 by the Photonics Department of the GMBU Research Institute in Jena, a founding member of the Konrad Zuse Association. The test report showed that our system achieves an efficiency rate of 99.9% on neutralised viruses (SARS incl. Covid-19 and mutants / influenza and others).

The air is drawn in through an ingenious system of channels where it is subjected to intense UV-C irradiation for just under two seconds, the length of time which is necessary to destroy the DNA structure of any viruses present and to inactivate all living cells.

UV-Cero 300 is ideal for installation and operation in enclosed spaces with an air volume of up to 150m³, but it is also able to disinfect up to 300m³ per hour. If the space is larger, we recommend the addition of a second unit so that the air volume can be purified at a faster rate. Please read the enclosed instructions to decide on the optimum position for installation to ensure that the air vents on both sides are unobstructed and that the noise level is kept to the minimum.

The unit can also be optionally connected to the control module via touch-panel you can program time frames in which the unit is power off or works with a higher power.

Advantages:

- ➔ **Service-friendly and maintenance-free**
Easy to install, no filters to change
- ➔ **Ultra-efficient performance**
Powerful UV-C irradiation and an ingenious channelling system
- ➔ **Made in Germany**
All manufacturing stages completed in-house
Full control over materials and safety standard

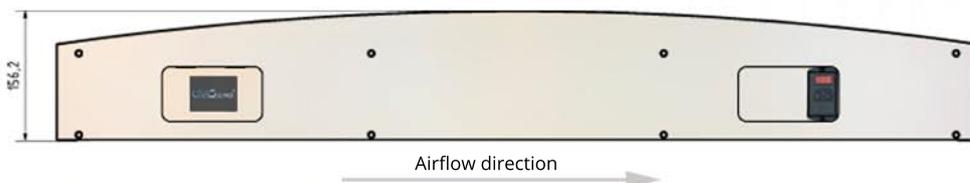
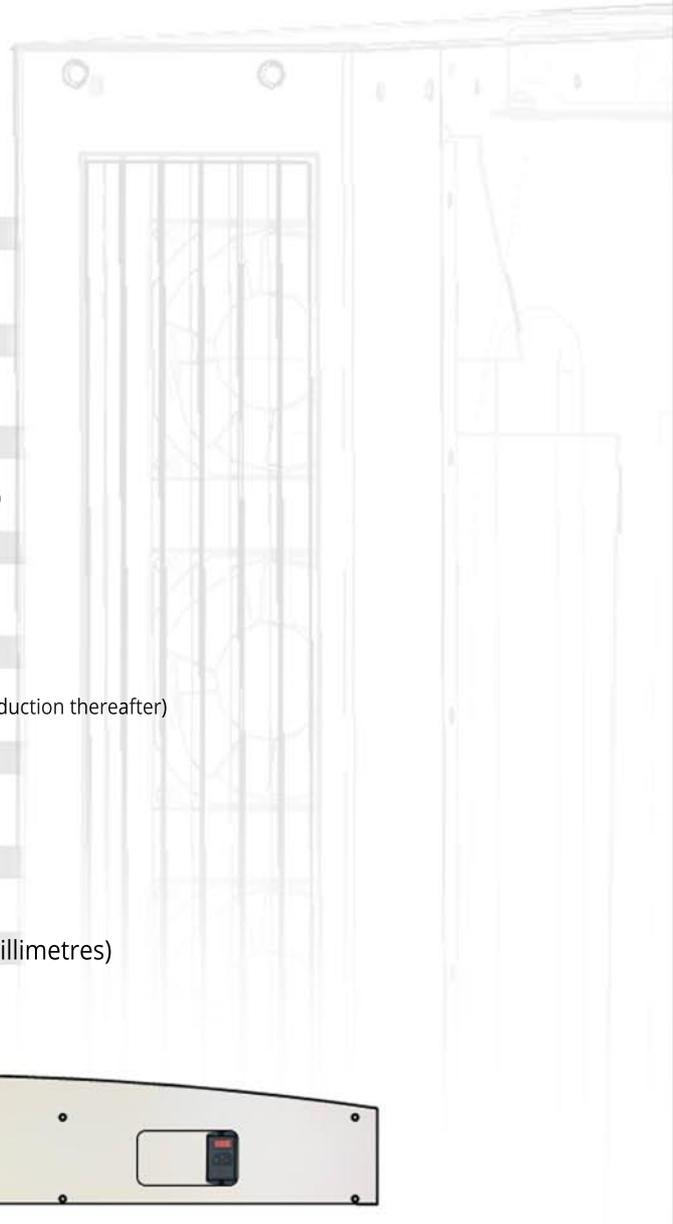


Technical data

UV-Cero 300^{DPa}

Produced in accordance with EU directives

Material	Powder-coated metal
Operating temperature	0 - 40° C
Power consumption	100 W
Tube output	96.0W (4 x 24W)
UV-C output	29.2W (4 x 7.3W)
UV-C wavelength	Main line of spectrum: 254nm
Air flow rate	150 - 300 m ³ /hr (adjustable 50 - 100%)
Fans	4 x brushless / 33 dB
Noise level	38 - 54 dB (depending on fan control)
Suspension system	Wall/ceiling mounted
Operating time	9,000 hrs per tube (gradual power reduction thereafter)
Mains voltage	220-240 V AC
Power connection	IEC socket
Mains cable	1.8m with earthing contact plug (other lengths available on request)
Dimensions	1102.4 x 516 x 154 (L x H x D in millimetres)
Total weight	14,00 kg





Advantages as compared with other products

- the unit should be mounted on the ceiling or on the wall directly below.
 -> i.e. where the harmful aerosols are to be found
Units supplied by other manufacturers are designed for floor installation.
 But there are no suspended viruses at floor level.
- **absolutely maintenance free** – the device has no filter requiring regular replacement (high costs) or cleaning. The UV lamps work at full power for up to 9,000 hours. Thereafter, the lamp power gradually decreases.
- takes just under two seconds to irradiate the air extracted by the unit.
This time is the minimum necessary to inactivate the harmful viruses (see test report). Irradiation devices from other manufacturers have a much shorter dwell time for the air, which is not enough to inactivate viruses.
- also **eliminates unpleasant smells** (e.g. the typical lunchtime smell in offices and corridors). How? Because of the relatively long irradiation time to which the air is subjected.
- disinfects 150m³ of air per hour at a 50% power setting **with low noise level**. At 100% power setting, it can process the air in a room at up to 300m³/h.
- On its 100% full power setting, UV-Cero 300 consumes **only 95W of electricity**.
- has been **tested for radiation efficacy and safety**. The results are excellent (see test reports)
- **easy to service**. Thanks to its modular construction, changing the UV lamps and fans is a straightforward process.
- can be supplied in a **colour of the customer's choice** (minimum order of 10 units).
- UV-Cero 300 is a **'patent pending' product**.