

Frequently Asked Questions (FAQs) UVCARE® midi air disinfection

How does UVCARE® work?

UVCARE® is an air disinfection device. The room air is sucked in, passed through the housing to a UV-C radiation source (emitter tube or simply UV-C lamp) and released back into the room on the opposite side. The air in the device body is disinfected by the strong UV-C radiation. Bacteria, viruses, molds and other organic compounds are 96% deactivated in the first run (when the device is hung horizontally) and lose their health-impairing effect. Overall, a disinfection rate of up to 99.9% is achieved with continuous operation.

Is it safe to use?

Yes. The design of the UVCARE® devices ensures that no harmful UVC radiation escapes from the device. Since no chemicals are used, the UVCARE® devices do not emit any substances that are harmful to health.

Do I have to pay attention to anything special or are there any restrictions on use?

UVCARE® devices can be used without restrictions and by any group of people. By avoiding chemicals and other possibly incompatible substances, UVCARE® devices are also suitable for allergy sufferers and sensitive people.

Does UVCARE® also make sense for the time after the corona pandemic?

Yes, clean air always makes sense wherever several people from different households meet. The common cold season in autumn, flu viruses, noroviruses and other aerosol / airborne diseases can be combated by using UVCARE®. We recommend permanent use e.g. B. in offices, business premises, canteens, classrooms and waiting rooms.

How long does it take to disinfect the air?

In the ideal case, 130 m³ of room air is cleaned within an hour. The effect of UVCARE® starts immediately. Overdosing is not possible, the room air is constantly cleaned. Our devices are designed for continuous use and are therefore in use all day long for you and your health.

I am running a UVCARE®, do I still need to ventilate the room?

Intermittent ventilation is always the right thing to do to ensure a good supply of oxygen. With UVCARE®, however, you no longer have to ventilate to reduce the virus load in the room. This is especially helpful in the winter months, e.g. to keep classrooms at a comfortable temperature.

What are the follow-up costs for the operation of UVCARE®?

The operating and follow-up costs are extremely low. The power consumption of the unit is around 36 W. By dispensing with chemicals, filters, etc., the UV-C lamp (emitter tube) is the only consumable part. The tube has a minimum service life of approx. 9,000 hours, so that replacement is rarely necessary.

Where and how do I ideally mount the UVCARE®?

Ideally, the UVCARE® is suspended from the ceiling in the middle of the room, mounted just above head height. We supply a rope suspension for this. Installation directly on the ceiling or on the wall is of course also possible. In order to optimally clean the room air, the installation must be horizontal.

There are no filters installed, what are the advantages?

A major advantage is the ease of maintenance. Filters often clog quickly and have to be laborious at short intervals, while maintaining the infection protection measures. You also significantly reduce the air flow through the devices. So it may be that devices with a fan output of over 250 m³ / h are offered and a real air output of well below 100 m³ / h is achieved.

With UVCARE[®] we even achieve an increase in air throughput thanks to the optimized design, thanks to the turbine effect. So not only does it look good, it also produces good results.

How big can my room actually be?

The room size does not play a primary role. Several devices can be operated in one room at the same time (not blowing against each other) if the room air volume is greater than the air throughput per hour possible by the device.

But other factors also play a role in calculating the number of devices. We are happy to advise you.

How do I replace the UV-C lamp (emitter tube) and how long does it last?

Replacing the UV-C emitter is very easy. A maintenance-friendly design of the UVCARE[®] was important to us. Further details can be found in the instructions for tube replacement available on request.

The service life of the UV-C emitter tube is at least 9,000 operating hours. Depending on the daily usage time, there is an exchange interval of up to several years.

Has the device been tested, are there certificates?

Your health is important to us. That is why UVCARE[®] was tested by the Karlsruhe Institute of Technology (KIT) - the research university of the Helmholtz Association, for photobiological safety and effectiveness. In the test for photobiological safety, UVCARE[®] is classified in safety group 2, which allows operation in the presence of humans and animals.

The effectiveness of the disinfection is at least 96% for bacteria, yeasts and viruses (including SARS-CoV-2) and at least 92% for molds, measured in one pass at 133 m³/h. Overall, a disinfection rate of up to 99.9% is achieved with continuous operation.

I don't have the option for ceiling or wall mounting. Can I also put the UVCARE[®] on a desk or any similar?

If there is no space on the ceiling or wall, you can order additional V2A feet as accessories for your UVCARE[®]. Further information can be found in the instructions for use.

We are available to answer your questions!

If a question is not asked here, ask us so that we can do it.