

Virus disinfection with UV-C light in the trampoline and fun park Airbase Trampoline Park in Hösbach offers sports enthusiasts additional protection

Viruses, bacteria, and other microorganisms spread through tiny water droplets in the air, so-called aerosols. They can survive there for a long time and spread from person to person. The risk is especially high in rooms where there are many people, such as in trampoline and fun parks, gymnasiums and sports halls. Often, the situation is aggravated by the fact that ventilation is difficult if not impossible. Ventilation is often uncomfortable, especially in winter: ideal conditions for pathogens.

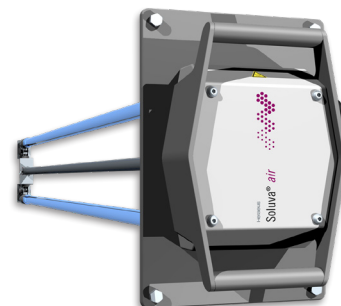
UV-C light is energy and very effective against viruses, bacteria, and fungi. Especially viruses, such as SARS-CoV-2 and its mutations are easily destroyed by it. They have only a thin lipid (fat) layer. This is easily penetrated by UV-C light and destroys the virus immediately. UV-C light is very effective against viruses, bacteria, and fungi, especially viruses such as SARS-CoV-2 and its mutations which it easily destroys. These viruses have only a thin lipid (fat) layer that UV-C light easily penetrates to immediately destroy the virus.

The Airbase Trampoline Park in Hösbach, Germany is Lower Franconia's largest and most modern trampoline and fun park.

Inside a 13 meter high space a 3500 m² area offers individual themed worlds, 60 trampolines and other attractions. The sporting activity is safe and available any time, regardless of the weather, as an individual or as a group or family activity. Of course safety includes an extensive hygiene concept. Despite compliance with the usual hygiene measures, only a very limited number of customers can enter sports parks during the pandemic. Right now, during the Corona pandemic, visitors must be particularly well protected. Sufficient ventilation is often a problem. Air purification devices can help because they ensure adequate air exchange. Technicians installed Soluva Air D UV-C modules into the existing ductwork. As a result air circulates through the UV-C lights so that it is germ-free before being supplied into the space. **"The protection of our visitors is particularly important to us. The UV-C air purification devices reduce the risk of infection enormously and make visiting the trampoline and fun park safer. Physical exercise is particularly important right now,"** says Markus Elbert, Managing Director of the AIRBASE Trampoline and Fun Park.



The renowned Fraunhofer Institute for Building Physics has for the first time confirmed the effectiveness of air disinfection by means of closed UV-C air purification devices under real conditions for a classroom on the basis of an elaborate scientific application test. Heraeus UV-C air purification devices can reduce the virus load in closed rooms by over 99 %. The disinfecting effect of UV-C light was also confirmed in further tests with the Hygiene Institut biotec and the University Hospital Tübingen.



Advantages of UV-C air purification with Heraeus Soluva equipment:

- ✓ chemical free
- ✓ no filters
- ✓ low maintenance requirements
- ✓ no ozone or by-products
- ✓ no uncontrolled escape of UV-C-light
- ✓ viruses can't build up resistance to UV-C