

BÄRO

Clean Air
Technologies



Innovative
air disinfection
with BÄRO UV-C systems



Germ-free air improves quality of life.

INVISIBLE RELEVANCE.

The air in air conditioning and ventilation systems is the ideal transport medium for viruses and microorganisms such as bacteria, mould spores, yeasts, algae and protozoa. In combination with certain conditions, dehumidifiers, air washers and rotary spray humidifiers in particular form an ideal breeding ground for microbial growth. Even state-of-the-art filter technology is unable to prevent the contamination of air conditioning systems on a lasting basis. On the contrary – filters themselves

can be breeding grounds for germs. Nothing stops the air contaminated with germs from being transferred to the individual areas of the building via the air conditioning and ventilation systems, employees or visitors are subjected to unnecessary risks. This can lead to anything from people feeling unwell to becoming ill. Even in areas or individual rooms without a supply of incoming air surfaces and air can be contaminated with bacteria or viruses, putting people at risk.

REDUCE THE RISK OF EMPLOYEE ABSENTEEISM.

In administrative areas where large numbers of people are present the risk of employee absenteeism increases between 12 % and 18 %, depending on the type, size and conditions of the working environment.* In buildings with areas heavily frequented by the public both the surfaces and the air are contaminated with viruses and bacteria – leading to individuals becoming ill. UV-C air disinfection systems can reduce many complaints, for example respiratory diseases by 40 %, mucous membrane problems by 30 % and muscular pains by 50 %. This was demonstrated in a study** carried out by the University of Montreal (Canada) in 2003.



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** The Lancet, volume 362, page 1785-1791, 29.11.2003

Air disinfection solutions.

STERILITY GUARANTEED.

For decades already, UV-C-technology has been used for the disinfection of air, water and surfaces. A wavelength of 253.7 nm eliminates all bacteria and viruses tested to date. According to the official declaration of the IUVA***, SARS viruses can also be inactivated with UV-C light. UV-C is an important addition to the so-called "multiple barrier" approach. Together with the existing disinfection processes, UV-C-technology ensures that the risk of infection is reduced to a minimum.

DISINFECTION IN A FEW MINUTES.

The UV-C-box and UV-C-chamber guarantee simple, fast and safe disinfection of equipment, instruments and protective masks. The uniform radiation of the objects with the integrated UV-C high performance lamps achieves a 99.9 % reduction of bacteria and viruses in just a few minutes.



MOBILE OR FIRMLY MOUNTED.

AirCom is available as a mobile or a firmly mounted individual element and it is ideal for use in small rooms up to 40m². What's more, the additional configuration with a TIOX filter (TiO₂ photocatalyst) reduces odours. At the same time the purified air is enriched with oxygen.



RETROFITTABLE OR NEW INSTALLATION.

The AirStream variants can be integrated into existing or new ventilation systems or the stand-alone AirStream C air-conditioning module can be used for effective air disinfection of rooms without a ventilation system.



Clean air. Clear results.

PREVENTIVE ACTION. THE ADVANTAGES AT A GLANCE.

- Prevention of up to 99 % of microbial contamination in air conditioning systems
- Compliance with the hygiene requirements of VDI 6022
- Reduction of the contamination risk
- Safeguarding working and experimental conditions
- Reduction of sickness levels
- Operation at a 230 V socket (excl. AirStream)
- Virtually maintenance-free

THE AIR HYGIENE SPECIALIST.

As one of the leading European manufacturers, for more than 25 years BÄRO has been providing comprehensive solutions for air and surface disinfection with powerful UV-C-systems in all kinds of different areas and industries.

From individual consulting to project planning, installation and servicing, our experts offer an all-round service for implementing efficient air hygiene.

NEW SOLUTIONS FOR PEOPLE AND THE ENVIRONMENT.

*** <http://iuva.org/COVID-19>



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