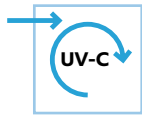


***Germ-free production-, cool- and ripening-rooms  
using UV-C- or ozone-disinfection***



**In the food industry, in butcheries and bakeries**



# Purification of ambient air and surfaces by UV C light (even in the presence of people)



Due to the fact that products in the food industry come into contact with conveyor belts and ambient air, they are constantly exposed to contamination of micro-organisms. To prevent these risks, an increasing number of companies are starting to decontaminate ambient air and surfaces in the production area by using UV C light. With the help of UV C radiation, up to 99,9% of all micro-organisms can be removed. UV C rays are used in the process without the production of ozone. Thus the shelf life of the products is extended considerably.

### The advantages of UV C treatment:

- Improves shelf life, appearance and quality of the products
- Reduces the amount of germs during production
- Germs form no resistance
- Prevention of cross-contaminations
- No use of chemicals

People can be present in the room during the purification process without health concerns.

### Effectiveness tests on UV C treatment provide evidence of the extension of the shelf life

The treatment with UV C light leads to a considerable reduction in micro-organism flora and thus to an extension to the shelf life.

### UV C inlet air purification system



Prevents the entry of germs into production and storage rooms. Further uses: Germ reduction with RLT systems.

### UV C conveyor belt decontamination device



The device was assembled underneath the belt return movement and constantly decontaminates the surface of conveyor belts and link conveyors.

### UV C purification light



Air purification to extend the shelf life of the products.

### Vaporiser disinfection



Reduces the germ exposure in and on the vaporiser systems. Germs on the system's surface and in the air flowing by are inactivated.

### UV C circulated air decontamination device



Minimises the numbers of germs in production rooms, plug-in ceiling modules.

### UV C immersed emitter



For the decontamination of spray humidifiers by way of UV C radiation, that kills off 99,9% of the bacteria and other pathogen germs in water.



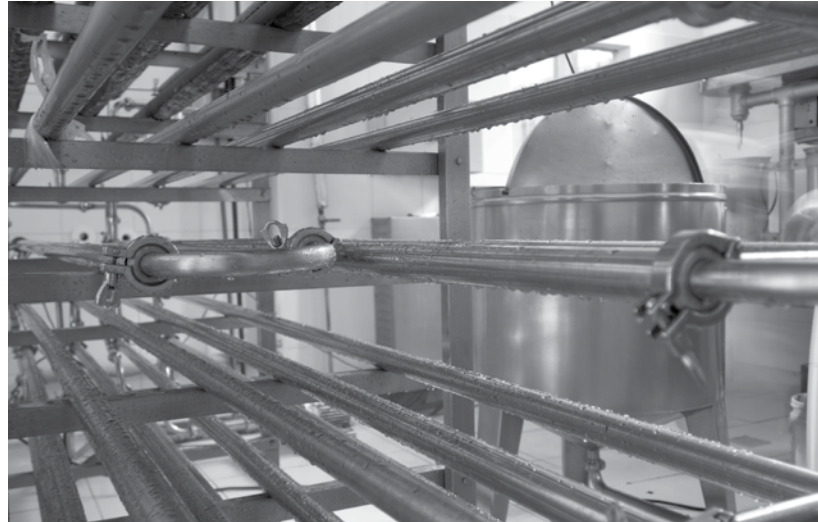
# Surface disinfection with UV C and ozone (in the absence of persons)

The treatment of the ambient air in production and storage rooms as well as of conveyor belts with UV C light and ozone quickly and highly effectively removes germs, mould spores and smells.

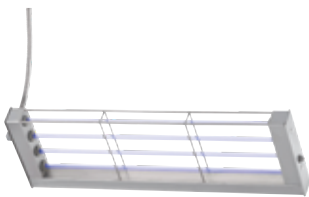
## Advantages of the treatment:

- Improves the shelf life, appearance and quality of the products
- Effective even in places that are difficult to access
- Disinfected rooms can be re-entered after a short time
- Germs form no resistance
- No use of chemicals
- Surfaces are disinfected without any chlorine
- No formation of condensation

During use, there must usually be no persons in the room. Systems with ozone control are possible.



## Production Pollution Control - PPC



Suitable for storage and refrigerated rooms, production areas and clean rooms. Removes germs quickly and effectively. Can also be used mobile.

## Sanipro 2000



Mobile use, removes germs and mould fungus fast and effectively.

## Freshair



Ambient air cleaning with partial ozone. Can be used with persons present in the room.

During a validation process by the **Labor für Mikrobiologie und Hygiene in Hoyerswerda (test report no. 11410, June 2015)**, the germ-reducing effect of ozone against various micro-organisms was tested. In sum, an anti-microbial and bactericide effect of ozone against the germs *Aspergillus niger*, MRSA *Staphylococcus aureus* and *Escherichia coli* could be proven.

**Please contact us for individual advice.**  
*We are ready for you – on the phone or on site!*

**At a glance: UV C and/or ozone technology**

	Air			Water	
Technology	UV C	UV C/ozone		UV C	Ozone
Medium to be treated	Supply/circulated air and surfaces	Air and surfaces	Exhaust air	Water	Water and wastewater
Process	Decontamination of ambient air, process air	Disinfection of ambient air and surfaces	Purification and elimination of bad smells	Purification of process water	Purification of product piping

It would be our pleasure to show you the corresponding references for the respective application.

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