

# AEROTRON

PUT AN END TO BAD AIR IN CLOSED ROOMS AND CREATE A SAFE AND HEALTHY ENVIRONMENT.

A customised air disinfection and treatment solution for easy and cost-effective installation in existing as well as new ventilation systems creates an optimal, safe and healthy living and working environment.

## Air – We make more of it!

With the special add-on units of the **AEROTRON** series by **bioclimatic** as a supplement to air-conditioning and ventilation systems, air purification and disinfection can be realised particularly easily and without problems. They are precisely dimensioned according to requirements. Safe, healthy and clean air is created by oxidising pollutants using activated oxygen. In outdoor air, this is mainly present in the form of positive

and negative air ions and ozone. The **bioclimatic** ionization system “copy” this natural process of air regeneration and transfer it to indoor conditions. There is scientific evidence of the production of these ions in nature. The indoor air quality (IAQ), is improved, germs are inactivated, odours are neutralised, and the air is enriched with natural ion concentrations – completely without chemicals and artificial fragrances.

## Effect of ionised air:



**Inactivation of viruses** and pathogens incl. SARS-CoV-2 by up to 99,99%



**Reduction of odours,** fine dust and irritants for odourless air



**Safe and healthy air** in living and working spaces of all kinds



**Certified efficiency** for your safety with every bioclimatic product



## AEROTRON

The **bioclimatic AEROTRON** is designed for installation in ventilation ducts, exhaust air and air conditioning systems. It is controlled either by the intensity controller integrated in the housing or by a separate intensity controller. For larger objects, further options for external control are available. The special conditions at the user's premises are taken into account by optimally matching individual unit components to each other.

MADE  
IN  
GERMANY



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## The operating principle

The **bioclimatic** units work according to a natural process: the principle of air ionization. Neutral oxygen molecules are negatively and positively charged by the „dielectric barrier discharge (DBD)“ by means of a special ionization tube. Oxygen clusters are created, which, due to their high energy potential, have the property of neutralising bacteria and odour molecules.

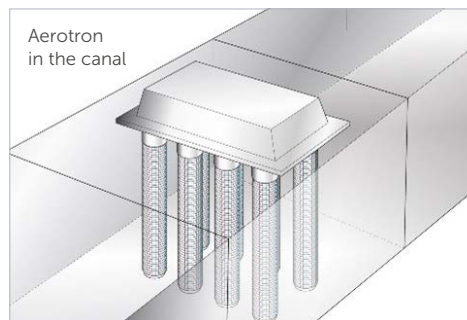
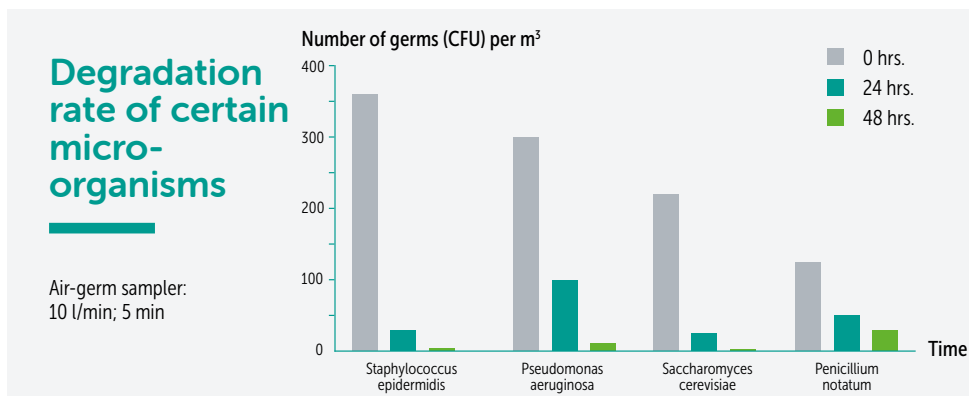
## Sophisticated technology

The original **bioclimatic** ionization tubes guarantee a high power intensity and work absolutely reliably, even under the highest loads in continuous operation. With safe concentration of the ions by integrated controllers or separate central control.

The **AEROTRON** also convinces with low energy consumption and low maintenance.

## Installation

The **bioclimatic AEROTRON** can be installed in ventilation systems shafts and air ducts. The simple installation (duct or AHU) at a suitable location guarantees optimum indoor air quality in ventilation, air conditioning and disinfection. Existing ventilation systems can be retrofitted with this product.



**bioclimatic** – since 1978 this means competence and experience in the field of high quality air treatment and disinfection systems for:

- Food industry
- Hotels and restaurants
- Commercial kitchens
- Office and administration
- Hospitals and medical practices
- Retirement and nursing homes
- Animal breeding and husbandry
- Private areas
- Odour-intensive businesses
- Sports and fitness areas

If you would like to know more about our products – just give us a call. We will be happy to send you comprehensive information material including meaningful references and are always available to answer any questions you may have.



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