



aerotron

Personal health and physical wellbeing are directly related to the quality of air we breathe. The more the environmental pollution increases, the more the air quality decreases and the direct correlation between air quality and health gets never more obvious than in those circumstances. It is well known that closed rooms at work or at home can be areas with special problems:

The air is polluted with:

- Bacteria ■ Germs
- Microorganisms
- Toxic substances
- Odours ■ Dust particles
- Gases

They either alone or in combination not just generate smell or make the atmosphere stuffy they also lead

to headaches, tiredness, a general feeling of sickness and can cause skin and eye diseases. This phenomenon has been analysed and is known as "sick building syndrome".

For more than 25 years **bioclimatic** is providing practical solutions for air purification and regeneration. The aerotron range has been designed specially for fitting into airconditioning systems and their associated duct system. The airconditioning and ventilation systems can be upgraded easily, to solve air purification and treatment problems tailored to what is necessary.

■ aerotron IR with Integral Controller

Units for installation in venti-

lation ducts and air conditioning systems with assembly plate, generator housing and a range of tubes to be fitted in multiples. An integral intensity regulator controls the unit.

■ aerotron with Remote controller

Units for installation in ventilation ducts and air conditioning systems with assembly plate, generator housing and a range of tubes to be fitted in multiples based on customer request.

Regulated by a separate IR 50 intensity controller. Several units can be controlled by one controller.

For larger projects or application, customized units can be made available, designed to meet the customer requirements. Based on customer information, the **bioclimatic** team will work out an ideal equipment configuration.



NEW: aerotron 2000

aerotron Range

The aerotron product range is designed to provide a healthy atmosphere in airconditioned rooms of different size.

How does it function?

The units exploit a natural process; air purification by microoxidation. Neutral oxygen molecules are negatively and positively charged by

the corona dischargement in special ionization tubes (bipolar ionization). This process generates ions with a very high energy potential which then neutralizes bacteria, germs and odours.

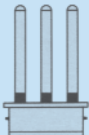
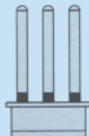
Sophisticated Technology

The unique **bioclimatic** charging tube guarantees high level of efficiency and

is completely reliable - even under the heaviest loads during continuous operation. To purify strongly polluted air, silver coated tubes are available. The integral controller or the remote central controller allows to choose between several operating levels to match the ambient conditions.

Effective Installation

Air purification systems can be built into ventilation ducts to meet precisely the air conditioning specification. Simple installation at selected locations guarantee optimum efficiency for ventilation, air conditioning and purification. Existing air conditioning units can be adjusted or converted.

Model	Duct Width Required (mm)	Weight (kg)	No of tubes & type	Max. Power Consumption (W)	Max. Room Volume (m³)	applications
Units with Integral Regulator						
	200 IR	300	2,5	3 x IRD	10	200
	400 IR	400	4,5	4 x IRE	15	400
	600 IR	400	5,0	6 x IRD	25	600
	800 IR	400	6,0	8 x IRE	35	800
	1000 IR	600	5,5	6 x IRE	45	1000
	1200 IR	600	6,5	8 x IRF	65	1200
Units without Integral Regulator - requires separate IR 50 regulator						
	200	300	2,5	3 x IRD	10	200
	400	400	4,5	4 x IRE	15	400
	600	400	5,0	6 x IRD	25	600
	800	400	6,0	8 x IRE	35	800
	1000	600	5,5	6 x IRE	45	1000
	1200	600	6,5	8 x IRF	65	1200
	2000	600	11,0	14 x IRF	100	2000

* For installations in: Air conditioning and Ventilation systems, air extraction systems in combination with textile air ducts

bioclimatic - the company with more than 25 years of experience in manufacturing high quality air treatment and purification systems, made in Germany. **bioclimatic** systems are used worldwide successfully in

- The food industry
- Hotels and Restaurants
- Catering kitchens
- Offices and administration buildings
- Hospitals and medical laboratories
- People retirement homes an nursing houses
- Private homes
- Animal breeding and husbandry
- High odour contaminated operations

For further information on our full product range please do not hesitate to contact us. We will be glad to service you.



■ AirDeco Line



■ aerotec



bioclimatic GmbH
 Im Niedernfeld 4
 D-31542 Bad Nenndorf
 Fon +49 57 23 - 94 40 - 0
 Fax +49 57 23 - 94 40 - 30
 E-Mail: info@bioclimatic.de
www.bioclimatic.de

