



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 contamination of the air with:

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

causes not only off odours and closeness but is a releasing factor for 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 **bioclimatic** the subject is not new. Since 1978 we offer suitable solutions for air cleaning and air purification. 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 integrated 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. An integrated intensity controller 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 50/100 or AQC intensity controller. Several units can be controlled by one controller.

■ Special manufacture

For larger projects customized units can be made available. Special conditions on site are considered in that single device. Components are optimally tuned on each other. Based on customer information, the bioclimatic team will work out an ideal equipment configuration.



■ aerotron 2000

aerotron

The **aerotron** product range is designed to provide a healthy atmosphere in air-conditioned rooms of different size.

■ The functional principle

The units exploit a natural process: air purification by ionization. Neutral oxygen molecules are negatively and positively charged by the „dielectric barrier

discharge (DBD)“ in special ionization tubes (bipolar ionization). This process generates oxygen clusters with a very high energy potential which neutralizes bacteria and odour molecules.

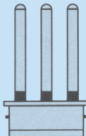
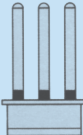
■ Sophisticated technology

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)	Applications	
Units with integrated controller						
	200 IR	300	2,5	3 x IRD	10	* For installations in: Air conditioning and Ventilation systems, air extraction systems
	300 IR	400	2,5	3 x IRE	15	
	500 IR	600	2,5	3 x IRF	25	
	600 IR	400	5,0	6 x IRE	25	
	800 IR	400	6,0	8 x IRE	35	
	1000 IR	600	5,5	6 x IRF	45	
	1200 IR	600	6,5	8 x IRF	65	
1300 IR	600	6,5	9 x IRF	70		
Units without integrated controller - requires separate IR 50/100 or AQC controller						
	200	300	2,5	3 x IRD	10	
	300	400	2,5	3 x IRE	15	
	500	400	2,5	3 x IRF	25	
	600	400	5,0	6 x IRE	25	
	800	400	6,0	8 x IRE	35	
	1000	600	5,5	6 x IRF	45	
	1200	600	6,5	8 x IRF	65	
	1300	600	6,5	9 x IRF	70	
	2000	600	11,0	14 x IRF	100	

bioclimatic - that means competence and experience in the area of high quality air purification and degermination systems since 1978 for:

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

For further information on our full product range please do not hesitate to contact us. We will be pleased to answer your questions at any time.



■ **AirDeco**



■ **aerotec**



■ **aeromat**



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