



## aerotron

Ideal for: Installation in new and existing air conditioning and ventilation systems

Health and physical wellbeing are directly related to the quality of air we breathe. This correlation becomes even more clear when looking at decreasing air quality with constantly increasing environmental pollution. These problems occur especially in closed-in spaces such as at work or at home. The contamination of the air with:

- Bacteria
- Germs
- Microorganisms
- Toxic Substances
- Odor molecules
- Gases

not only causes unpleasant odors and stifling air, but is a trigger for headache, fatigue, difficulty concentrating, general malaise and skin and eye irritation.

This modern-day phenomenon has been researched in recent studies and is recognized as so-called "Sick-Building-Syndrome".

With the possibility of integrating appliances of the **aerotron** series as a supplement to new and existing air conditioning and ventilation systems, this solution to your air quality problems can be easily implemented.

The appliances are precisely dimensioned according to the existing need and tailored to solve your present air quality issues.

### **aerotron IR with integrated controller**

Devices for installation in ventilation ducts and air conditioning systems, with mounting plate, generator housing and different tube fittings. The control is carried out with the intensity regulator integrated in the housing.

Especially suitable for specific use as a single device.

### **Aerotron with remote controller**

Devices for installation in ventilation ducts and air conditioning systems, with mounting plate, generator housing and different tube fittings. The control is done with the separate intensity control units IR 50/100 or AQC.

With these, it is also possible to control several devices with one controller at the same time.

### **Custom made solutions**

For larger projects, air purification solutions can be implemented with custom-made products. Special conditions on-site are taken into account by optimally matching individual device components for an ideal configuration.

**airoclean**

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# aerotron

Healthy, fresh air as in nature.

With the possibility of integrating appliances of the **aerotron** series, this can be achieved in air-conditioned rooms of various sizes.

**How it works**

The devices work according to a process found in nature: air purification by air ionization.

Neutral oxygen molecules are negatively and positively charged by the "Dielectric Barrier Discharge (DBD)" using a special ionization tube.

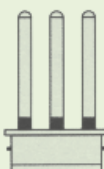
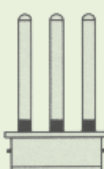
Oxygen clusters are formed, which due to their high energy potential have the property of neutralizing bacteria and odor molecules.

**Sophisticated technology**

The ionization tubes guarantee high efficiency and are absolutely reliable, even under the highest loads in continuous operation. Safe usage due to integrated controllers or a separate central control.

**Effective installation**

The ionization systems can be installed in air conditioning ducts and air ducts after exact ventilation calculations. The simple installation at a suitable location guarantees an optimal efficiency in ventilation, air conditioning and purification. Existing air conditioning systems can be retrofitted.

Model	Duct Width Required (mm)	Weight (kg)	No. of tubes & type	Max. Power Consumption (W)	Applications
<b>Units with integrated controller</b>					
	200 IR	300	2.5	3 x IRD	10
	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
<b>Units without integrated controller – requires separate IR 50/100 or AQC controller</b>					
	200	300	2.5	3 x IRD	10
	300	400	2.5	3 x IRE	15
	500	600	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

For installations in:  
Air conditioning and ventilation systems, air extraction systems

**For further information on our full product range please do not hesitate to contact us. We will gladly send you additional information material including references upon request and are always available for questions.**