



aeromat

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
- Odour molecules
- Dust particles and gases

causes not only off odours and closeness but it is a releasing factor for headaches, tiredness, a general feeling of sickness and can cause skin and eye diseases. These phenomenon has been analyzed and is known as „sick building syndrome“. The **aeromat** series are powerful units with integrated fan for the broad use in commercial and industrial applications.

aeromat 500

This powerful unit is applicable as a standard and wall unit, especially for large rooms (depending on the level of air pollution). With the integrated controllers the intensity of the tubes and the volume rate of the fan is adjustable. This unit is equipped with a filter mat. Optionally the device can be equipped with five ionization tubes for highly odour polluted environments. The standard equipment consists of two ionization tubes and a VOC sensor.

aeromat 1200/1400

Ceiling unit with high efficiency for large, commercially used areas. Trouble free and inconspicuously mountable in favorable position. Simple controlling by separate central automatic controller unit. Individual setting of ionization and ventilation fan intensity. Equipped with metal filter.



aeromat

The **aeromat** units are designed in different sizes to produce healthy, purified, odourfree air for private homes and work places, permanently. The optimal solution for rooms without air conditioning.

The functional principle

The units are working on 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 a very high energy potential which has the property to neutralize bacteria and odour molecules.

Sophisticated technology

The discharge tubes 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.

Mobile comfort

Due to the compact design the **aeromat** units are applicable for the broad use in commercial and industrial areas and they can flexible positioned as required. All models allow easy operation and maintenance. Here the **aeromat 500** is designed as plug-in unit whereas **aeromat 1200/1400** is designed as unit for proper installation.

Model	Dimensions W x H x D (mm)	Weight (kg)	No. of tubes & type	Max. Power Consumption (W)	Applications
 500/2	710 x 815 x 335	45	2 x IRF	130	Offices, social areas, hotels, waiting rooms, hospital wards, houses, kindergartens, sales counters, supermarkets, laboratories, odour contaminated rooms of all types.
 500/5	710 x 815 x 335	45	2 x IRF 3 x IRE	150	
 1200	658 x 333 x 658	32	8 x IRF	150	
 1400	658 x 333 x 658	33	10 x IRF	155	

Further series are available for special applications:



AirDeco Line



aerotec



aerotron