

Operation Manual AirMaid[®] T



AIRMAID[®] OZONE CLEANING SYSTEM

INNOVATIVE AIR TREATMENT

WARNINGS AND SAFETY NOTICES

General Information

The device may not be used by children or by persons with diminished physical, sensory or mental capacity or lack of experience and knowledge unless supervised or having received instruction. Supervise children to ensure that they do not play with the device.

1. This manual contains important information about instructions and safety concerning AirMaid® ozone generator (hereinafter referred to as the generator). Read this manual carefully before installation, commissioning or performing service and maintenance on the generator.
2. The generator is intended only for ozone treatment of air in accordance with the instructions in this manual.
3. The generator uses high voltage to create an electric discharge which generates ozone (O₃). Ozone significantly reduces odours, mould and bacteria. Interzon AB disclaims any liability if the product is not used according to the manufacturer's instructions in this manual.
4. Never clean the generator with chemical cleaning agents. Water or liquid shall not be sprayed onto or inside the generator. The cleaning of the ozone cell (CGC) shall be done while following the instructions in this manual.

Troubleshooting and Service Information

1. The user can troubleshoot the generator by following the steps and procedures described in the system test section in this manual. If the user needs to have the generator serviced, the user shall contact the closest authorised service partner or Interzon's technical support.
2. All repairs on the generator must be performed by a service partner authorised by Interzon AB.



The power supply to the generator must be cut off before any service or maintenance. Make sure that all parts have been installed before you turn on the generator again.



Use a ladder or a stable work platform when installing or servicing the generator if the installation or service must be done at a height.



The generator produces ozone. If the generator is used by persons who have not read this manual, there is a risk of injury such as eye or lung irritation. Always follow local regulations and the recommendations of government organisations that inspect the regulations or the work environment.



This user manual describes a standard AirMaid® 500 W ozone generator installation. The installation can vary depending on local rules and regulations relating to building materials, ventilation systems or the layout of the building/room. Deviations are possible but always consult the manufacturer before such installation.

PRODUCT WARRANTY

LIMITED WARRANTY FOR INTERZON'S EQUIPMENT

This warranty is subject to the following terms:

A new product is guaranteed to be free from defects and/or workmanship a period of 3 years from the original purchase date.

The warranty of a new product covers repair or replacement of the damaged part as well as the delivery of the product to the customer.

A spare part is guaranteed to be free from defects and/or workmanship for a period of ninety (90) days from the original installation date.

The spare part warranty covers only repair or exchange of damaged part and does not extend over labour costs for removing or installing the part, trips or any other costs in connection with the repair or replacement of the part.

The installation of the product must be carried out according to the installation instructions described in this manual.

Circumstances that can make the warranty null and void:

1. If a foreign object such as water or cleaning agent has been sprayed on or into the generator;
2. Generator overheating as a result of a blocked inlet or outlet;
3. If the regular generator maintenance has not been performed as described in this manual;
4. If the generator has not been installed according to the instructions in this manual.

A complaint must be filed with the reseller or the manufacturer. No compensation will be granted for repairs carried out by a third party without Interzon's consent. In case of damage during transport, please inform the sender immediately in order to file a complaint.

The limited warranty above does not cover damages caused by accidents, product modifications or incorrect use and does not apply if the serial number has been removed or tampered with.

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1. CHECK THE PRODUCT

Make sure that all ordered products have been delivered and that there are no visible damages. Any deviations shall always be reported to the dealer or the manufacturer. Please read the entire user manual before beginning the installation.



1x 2000T/5000T
AirMaid® Ozone Generator



1 X User manual
2000T/5000T



Stand
(Optional)

2. INSTALLATION

The AirMaid T-type generator may only be installed upright as shown in the following photograph. Never install the unit in any other orientation or so the input/exhaust pipes are not in the same horizontal plane!

Be sure it is not exposed to mechanical elements such as vibration, moisture, etc. The input air must be clean and filtered (using a minimum EU3-class filter) and may not exceed a temperature of 40°C.

As standard equipment the generator is delivered with a 5m power cable without an electrical plug. An authorized electrician should be used to attach the power cable to a two-pole circuit breaker.



3. BEFORE POWER-UP

1. Verify the installation was correctly performed.
2. Check that the exhaust air from the generator leads only to the desired area for treatment.
3. Ensure that no people work or visit the treatment area during its operation.

4. USE

The main power switch and a rotary knob for adjusting ozone production from 0 – 100 % is behind the door.

On the front panel you will also see a fuse holder. Please note that the fuse requirement is 2AT.

As standard equipment the generator is delivered with Ø110mm couplings on the input and output ducts.



5. SERVICE AND MAINTENANCE

The generator does not have any built-in filtration and must therefore be provided with clean filtered air. If the air is not clean there is a risk for production disturbances in the ozone cell. The manufacturer recommends that the ozone cell is regularly checked and cleaned, as necessary, to retain optimal ozone production. The first service check shall be performed after one month in service; thereafter the inspection interval can be increased as long as the ozone cell does not become dirty.

To check, clean or replace the cell the front panel first needs to be removed, then the cell (the black molded module) can be loosened with two screws. Lift the cell gently from its mount and check the glass rods. Never use any sort of sharp or hard tools such as screwdrivers or knives to clean the cells; they are made of thin glass and can easily break. Clean the rods with a soft cloth soaked with a cleaning agent such as alcohol. Assure that the cell is placed back in its original orientation when remounting and that no cables are crimped by accident. Also, be observant with the placement of the white high voltage cable, so that there is a space of at least 10 cm between the cable and the chassis and also the remaining cables. Gently reattach the front panel so that the connected cables do not come into contact with the white high voltage cable.

Ensure also that the input and output pipes are clear of dust or other sediments as this can reduce the airflow through the generator.

If the airflow through the generator is too low (under 1m/s) then the generator risks becoming overheated. The generator is designed with a built-in heat sensor that automatically turns off the unit to prevent overheating. In the case of overheating, when the temperature again drops to normal levels this switch automatically resets and the generator is started up again.

Note: Service to the generator may only be performed while its electricity is shut off.

6. TECHNICAL SPECIFICATIONS

Models

AirMaid® 2000 T
AirMaid® 5000 T

Ozone capacity

0-2000 mg/h (AirMaid® 2000 T)
0-5000 mg/h (AirMaid® 5000 T)

Dimensions

WxLxH: 250x300x180 mm
Weight: 8 kg

Electrical data

A/C Source: 230V / 50-60 Hz
Consumption: 100 W (AirMaid® 2000 T)
100 W (AirMaid® 5000 T)

Fan capacity

160 m³/h (ideal)

Material

AISI 304

Ozone is dangerous to humans and organic materials

Ozone is a powerful oxidant and exposures to high concentrations are unhealthy. Local health regulations regarding the use of ozone should be observed.

Interzon recommends that all personnel who use the ozone generator be educated regarding the risks and precautions regarding exposure to ozone.

Meets EMC and low-voltage directives.



For further information please contact Interzon AB.

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