

## Air Maid 2000-C/5000-C



### Installation

The installation of the generator **MUST** be vertical, like the figure below. Make sure that the position is safe so that the generator is not exposed to water or mechanical damage both inside and outside the container. A typical installation is shown in the picture.



Prepare a rectangular hole in the container. Width should be 185mm and height 295mm. Prepare 10xM6 holes according to the layout drawing on the last page of this manual.

Fix the sealing of NEOPREN rubber around the hole and install the generator. Make sure that the sealing is well fixed around the generator and fix the stainless steel frame at last with 10xM6 screws from the outside.

As standard the generator is delivered with a 5m cable without any connector. An authorised person should connect the cable to a 2-pole safety switch. The outgoing cable from the generator can be either on the backside or the frontside. As standard the cable is fixed on the frontside.

### Start up

The ozone generator is equipped with an asymmetrical recycler timer. To adjust the timer the main power has to be switched OFF behind the front cover.

The period of ozone production (ON) can be adjusted by the combination of RANGE 1 and TIME 1. The period of ventilation (OFF) can be adjusted by the combination of RANGE 2 and TIME 2.

The period is the sum of (RANGE x TIME). The period can be adjusted between 0,1s to 100h. A typical setting is 5 minutes ON and 5 minutes OFF. Turn the power on after completing the settings.

## Operating limits

The incoming air to the generator should be as clean as possible. The temperature should be less than 40°C. The airflow should be at least 4 m<sup>3</sup>/h since the generator is air-cooled.

## Service and maintenance

During normal conditions the air filter should be changed at least 2 times per year. If the incoming air is not clean the changes must be made more often.

While changing the filter the main power should be switched OFF. The frame of the filter is removed and the filter is changed.

Do also check that the fan is running properly and that the glass tubes of the ozone unit are clean from dust. If the tubes are dirty they should be cleaned with a soft towel in combination with water.

**Do never use any sharp tools to clean the glass tubes since they might break.**

If the generator is not working properly please contact the manufacturer or the distributor.

Ozone is a strong oxidation agent and consequently high concentration of ozone is harmful to health.

The local legislation for the permitted concentration of ozone should be observed.

The recommended limits in Sweden are:

- 0,1 ppm / 8 h of exposure
- 0,3 ppm / 15 min. of exposure

The ozone concentration of the generator is approximately 12 ppm, which is much higher than the recommended limits. Do not ever breathe in the air at the outlet of the generator.

The manufacturer recommends that all persons using the ozone generator should be familiar with the risks associated with elevated concentrations of ozone.

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## Health risks of ozone

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## Technical specification

**Model**

Air Maid 2000-C/ 5000-C

**Production capacity**

0-2000 mg/h/ 0-5000mg/h

**Dimensions**

Width x length x depth: 182x293x220mm

Weight: 5,5 kg

**Electrical data**

Voltage: 230 V / 50 Hz

Effect: max 100W

**Fan capacity**160m<sup>3</sup> / h**Material**

AISI 316.

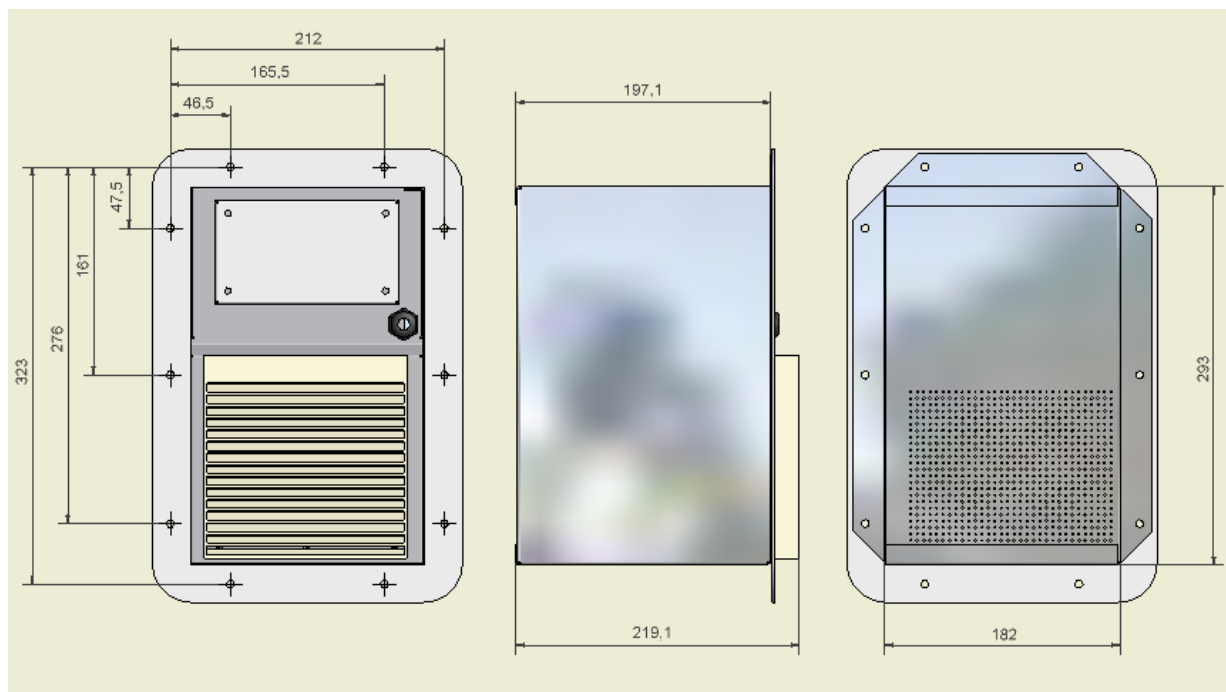
**Reactivity of Ozone**

Ozone is a strong oxidation agent and consequently high concentrations of ozone are harmful to health. The local legislation for the permitted concentration of ozone should be observed.

ITV recommends that all persons using the ozone generator should be familiar with the risks associated with elevated concentrations of ozone.

**CE** Complies with the EMC and the low voltage directives

For additional information please contact ITV Ltd.

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