# AirMaid®

10 000 V
5 000 V
2 000 V

## ADVANCED SYSTEM FOR CLEANING OF GREASE AND ODOUR IN VENTILATION DUCTS.

FIELD OF APPLICATIONS:

- Restaurants
- Institutional kitchens
- Food processing industry
- Agriculture



*AirMaid V model*

## GREASE AND ODOUR REDUCTION



*Without AirMaid*



*With AirMaid*

REDUCTION OF GREASE
AirMaid ozone unit reduces efficiently grease in the ventilation exhaust ducts. Ozone oxidizes grease to water and dry minerals.

REDUCTION OF ODOURS
All types of cooking create odours. The odours are distributed through the exhaust ducts and do not get caught in a conventional filter. AirMaid reduces the odours up to 95%.

REDUCTION OF BACTERIA
In all kind of ventilation systems there are bacteria. AirMaid ozone unit eliminates efficiently all types of bacteria. In this way AirMaid prevents the bacteria from entering the kitchen.

FIRE PROTECTION AND SWEEPING
AirMaid keeps the ducts free from grease and soot. This eliminates the risk of fire and increases the life time of the ventilation system. The number of expensive sweeping can significantly be reduced.

KITCHEN OPERATION
AirMaid requires no education or other expert competence from the personnel in the kitchen. The personnel can still concentrate on cooking, since the AirMaid system is practically maintenance free.

## ENVIRONMENT

HEAT RECOVER
Until now there has been a big problem to recover heat from kitchen exhaust ducts because of the high concentration of grease. By installing AirMaid it is possible to recover the heat from the kitchen by a heat exchanger.

ENVIRONMENT
AirMaid offers an advanced and environmental friendly technology for ozone production that is appreciated by operators that put safety, economy and environment in first place.

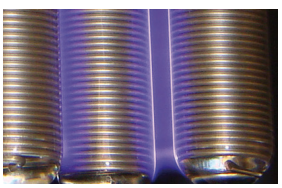
OZONE
Ozone is a triatomic gas formed by three oxygen molecules. Ozone is very reactive and oxidize efficiently all kinds of organic compounds.

## CGC "CORONA GLASS CELL

AirMaid is based on a unique cell called CGC or Corona Glass Cell. Ozone is produced by electrical discharge in air.

CGC is a Swedish invention for ozone production that has a very long lifetime and is practically maintenance free.

The CGC has been on the market since 1996



*CGC "CORONA GLASS CELL"*

## TWO YEAR GUARANTEE

All AirMaid products are delivered with two-years guarantee.

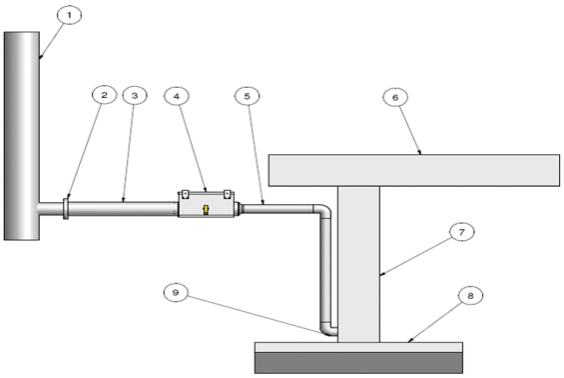
INTERZON

## INSTALLATION

THREE MODELS

| | |
|---|---|
| AirMaid 2000-V | exhaust-airflow max. 1000 m3/h (300 l/s) |
| AirMaid 5000-V | exhaust-airflow max. 2500 m3/h (700 l/s) |
| AirMaid 10000-V | exhaust-airflow max. 5000 m3/h (1400 l/s) |

AirMaid can be installed in different ways and below is one example. For more information see the installation guide.




1. Central Ventilation (inlet)
2. Damper
3. Inlet tube Ø 125 mm
4. AirMaid Ozone Generator
5. Outlet Tube Ø 80-125 mm
6. Horizontal Exhaust Duct
7. Vertical Exhaust Duct
8. Kitchen Hood
9. 90˚ Tube Ø 80-125 mm

## SERVICE & MAINTENANCE

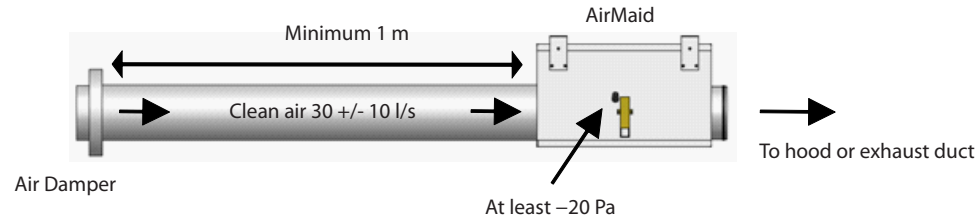
The ozone cells inside the ozone generator must be checked and if necessary cleaned at least once a year. Clean the glass electrodes carefully with a soft towel together with some cleaning spirit. If a separate air filter is used for the inlet air, make sure that this filter is changed at least one time per year. The exhaust ducts must be swept clean of grease and soot at the time of installation. This is required to achieve the desired result of the ozone cleaning.



*Easy control and cleaning*

## AIRFLOW AND PRESSURE

The specified airflow must be 30±10 l/s and the specified pressure must be less than -20 Pa (max -300Pa).




## TECHNICAL SPECIFICATION:

| AirMaid® | Ozone capacity (mg/h) | Power | Voltage | Weight |
|---|---|---|---|---|
| 2000V | 2000 | 100 W | 230V/50 Hz | 10 kg |
| 5000V | 5000 | 100 W | 230V/50 Hz | 10 kg |
| 10000V | 10000 | 100 W | 230V/50 Hz | 12 kg |

| | |
|---|---|
| Material: | Stainless Steel AISI 304 |
| Operating temperature: | -25 to +40°C |
| Dimensions W x L x H: | 300x400x237mm |

INTERZON

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