



NORDcanopy

OZ 3.1 Ozone Generator Module productsheet

OZ 3.1 Ozone Generator Module

ETS NORDs ozone cleaning technology incorporates its ozone generator modules into the construction of the canopy. They are specifically designed for restaurants and industrial kitchens where the requirements for decreasing grease and odor from exhaust air are high.

Control Panel, with its many advanced features, make the management convenient and easy to use.

Benefits obtained with ozone cleaning:

-  Effective grease reduction
-  Significantly improved fire safety
-  Enables the use of heat recovery
-  Effectively reduces odors
-  Effective at killing bacteria
-  Low maintenance costs



Function

Ozone (O3) is a very effective oxidant, and when mixed into a kitchen exhaust airstream it breaks down grease and odor particles to water vapor, carbon dioxide and dry minerals, all natural products of oxidation which exit the exhaust system.

Created by the process of electrical discharge, the ozone starts doing its work in the canopy exhaust chamber and thereafter throughout the greater exhaust system.

For best results with odor reduction, the reaction time for ozone within a kitchen exhaust system should be at least two seconds. However, longer exposure can further improve results. This time should be taken into account during the design phase of the kitchen exhaust system.



Without ozone cleaning system



With ozone cleaning system

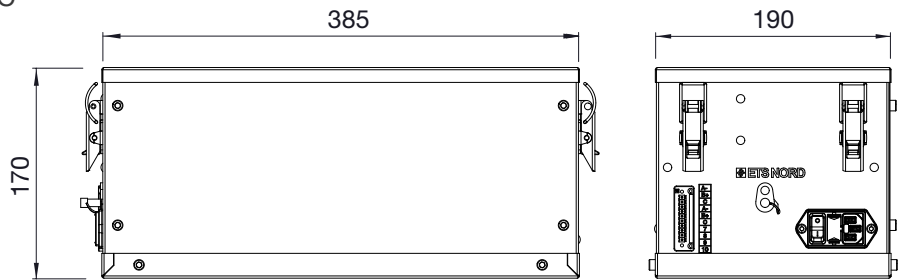
Technical data

Model	Ozone capacity* (mg/h)	Power consumption (W)	Pressure drop at 20 l/s (Pa)	Voltage (V)	Weight (kg)
OZ 3.1	5000	300	38	230	5,4

* Maximum Ozone output capacity is obtained under the following conditions: measured at 10m in the duct, supply air temperature 20°C and relative humidity 20%.

Material: AISI 316L stainless steel
 Working temperature: -25 to +40°C
 Measurements: 385x170x190 mm

The Ozone Module is equipped with pressure switch and 3,15 A fuse. The pressure switch causes the module to start only when the required negative pressure is ensured.



Control Panel

All Ozone Modules are managed by an intelligent central Control Panel. The Control Panel monitors the operation of each Ozone Module and will trigger an alarm in case of equipment failure or the need for maintenance. The Control Panel monitors all ozone generators on the premises with an advanced control and reporting technology and can be connected to either BACnet or Modbus-driven systems, enabling remote management via either the local network or Internet. Compared with ozone and UV solutions from other manufacturers, only one Control Panel is needed per kitchen, regardless of the number of ozone generators installed.

Advantages:

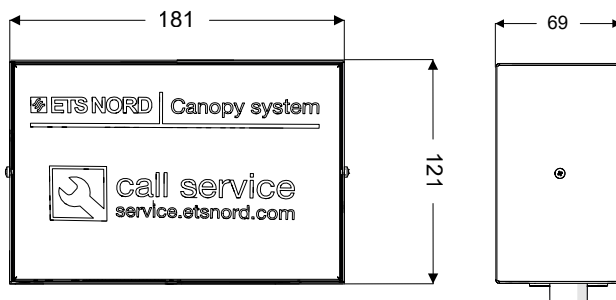
- Compatibility with building automation
- Remote monitoring (IoT - Internet of Things)
- Data visualization and history
- Safe and simple to use

EtherNet/IP™

Modbus

BACnet®

Dimensions



This symbol indicates that when the end-user wishes to discard the device, it must be taken to a proper waste station for recycling.

For more detailed information about the system and installation check the "Ozone Cleaning System – Installation Guide"



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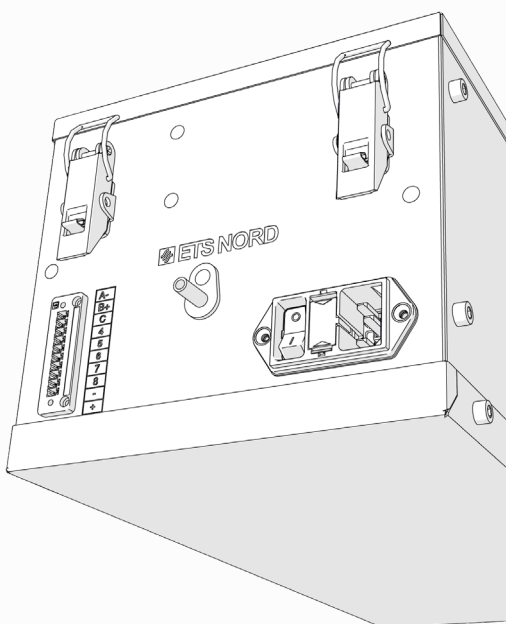
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Let's move the air together!