

Distributor

**SERVIOZONO<sub>3</sub>**

**TOP  
ZONO®**



OZONE GENERATOR  
MOD. GO 12000 TA

## Ozone Generator GO-12000 TA Turbine



Read this manual carefully before installing and/or connecting the generator



**Caution:** Do not handle or open the generator while connected to the mains. Risk of download



Do not use in environments where the temperature may exceed 50°C



Protect from the elements and preserve it from humid and/or corrosive environments

The GO 12000 TA **Turbine** model is an Ozone Generator for applications where it is required to carry the ozone to the place of action through an air-driven duct from the internal turbine of the generator (clean rooms, air extraction systems, chimneys, etc) or directly to the environment for shock treatments. This model is built-in stainless-steel case. The regulation is carried out by means of a digital cyclic timer

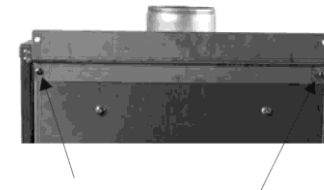


## INSTALLATION

The GO-12000-TA can be used both horizontally (on a flat surface) and vertically (wall mounting). For this, the fixing brackets located at the front and back of the generator are used. The distribution of fixing holes has the following measures: 570 x 354 mm



Front



Screws Fixing bracket

The fixing brackets are supplied placed inwards, for easy packing and transport.

Once the equipment is unpacked, release the fixing bracket (2 screws), turn it over and replace the screws. In this way we will place them in the correct position for the installation of the equipment

On the front is located the power switch, the fuse holder and the network cable.

Special attention must be paid not to block the side air intake and the main one (top cover) since the lack of sufficient flow could damage the generator.

It is very important that the room where the generator is located is a clean room (with clean and dry air) so that the air that passes through the reactor of Ozone has the right conditions for the correct production of ozone.

At the back of the generator, it has a duct outlet (diameter 100 mm) to carry the ozone driven to the application.

## USE OF THE GENERATOR

Connect the generator to the 230V grid using a plug equipped with grounding. Flip the start-up switch and the equipment will start working.

The regulation of the production is carried out by time, by means of a digital cyclic timer, with a cycle of 10 minutes, being able to regulate the operating time and the stoppage time within that cycle, which will be repeated indefinitely. Using the selector, we vary the number of minutes that the generator will remain active in that 10-minute cycle, leaving the rest of the time on hold until the start of a new cycle.

### Timetable

Program No	0	1	2	3	4	5	6	7	8	9
Time ON	30 s	1 min	2 min	3 min	4 min	5 min	6 min	7 min	8 min	9 min
Time OFF	30 s	9 min	8 min	7 min	6 min	5 min	4 min	3 min	2 min	1 min
Regulation	test	10%	20%	30%	40%	50%	60%	70%	80%	90%

The program number change (P1 .. P9) it is done using the selector located on the right side of the screen. A hole allows us to access the internal button, through a small screwdriver or similar (so that the button is not accessible manually and can cause an accidental or unauthorized change)



Note: The digit point indicates when the generator is active

Regardless of the dimming timer, any type of external timer can be used (to control use at specific times or days) and even connect the power in parallel with the air drive system in ducts of air conditioning or cooling groups in chambers.

In generators that are used in conjunction with an existing aeration or extraction system (air conditioning ducts, extraction systems, etc.) it is convenient that the generator is powered in parallel with the system fan, so that ozone is only generated when it exists air flow.

## APPLICATIONS

This Ozone Generator is suitable for, among others, the following applications:

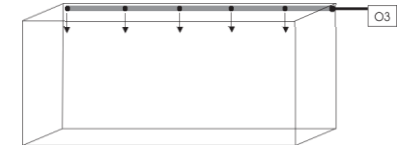
### Air conditioning ducts

Installing the generator as close to the duct as possible, injecting the ozonated air into the interior of the distribution duct, always after the impeller turbine. The generator should operate only when the air flow is running (it can be powered in parallel with the turbine engine)



### Cold rooms

Installing the generator as close as possible to the chamber (never inside) and injecting the ozone through a hole in the chamber to pass the duct. For large chambers, a distribution tube can be installed inside to better distribute ozone throughout its volume.



### Shock treatments

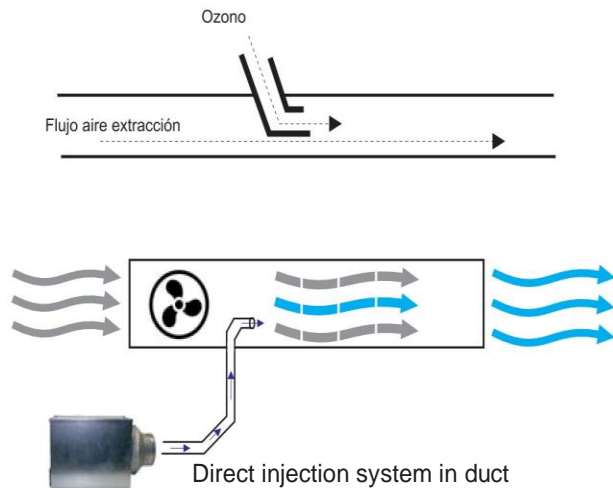
Completely close the room to be treated and, with the generator located outside, take the are conducted by duct to the room. Once the application time has elapsed, be careful to wait between 20-30 minutes before entering the room



### Odor removal in air extraction systems

In extractor hoods, ozone is injected into the exhaust chimney so that the ozone dog performs its effect during the entire time that the expelled air circulates through the chimney.

In these cases, the longer the chimney, the greater the oxidation effect of the substances that generate bad odors.



### Sterilization of clean rooms and laboratories

For this application to high concentration of ozone in the environment is necessary to perform a shock treatment. Make sure there are no people or animals in the room during the treatment process. Eleven finished, Let go for 20 To 30 min before entering.

These are just a few examples of possible applications of the Mod Ozone Generator. GO 16000 T being very large its field of application, as in treatments disinfection of surfaces, treatment of hotel and apartment rooms, food packaging, odor control in silos, ...

Note: This equipment should never be installed inside cold rooms.

When performing shock treatments, be careful that there are no people or animals exposed to high concentrations.

## CHARACTERISTICS TECHNIQUES

<b>Power supply</b>	<b>230 V 50 Hz</b>
<b>Consumption</b>	180 W
<b>Dimensions</b>	645x405x248 mm
<b>Production</b>	12.000 mg/h max
<b>Elec protection</b>	Fuse 2 A
<b>Output</b>	Turbine 460 m <sup>3</sup> /h

- All the features listed above may be modified without prior notice.
- Do not open without first disconnecting it from the electrical network and not handling it by unauthorized personnel.
- If the supply voltage exceeds 230 V + 10% or in the line, there is excess of surges, the generator may not work properly and deteriorate.
- If the power cord and/or connection are damaged, do not use the generator. In case of any malfunction, it must be repaired by an authorized agent.
- The maintenance and cleaning of the generator, as well as the replacement of parts must be carried out by authorized personnel.
- This generator must be equipped with ground shunt.



# Certificate of Conformity

European conformity

## Declaración de Conformidad

Conformidad Europea

The manufacturer  
El fabricante

**TOP OZONO, SL**

B66297524  
Av. Mistral 24  
08015 Barcelona

In accordance with Directive 2006/42 /EC of the European Parliament and of the Council, of May 17, 2006, relating to machines, the product indicated below, based on its conception and construction, as well as the version placed on the market by Top Ozono, complies with the mandatory basic requirements of safety and health of the **CE** directive.

De acuerdo con la Directiva 2006/42/CE del Parlamento Europeo y del Consejo, de 17 de mayo de 2006, relativa a máquinas, el producto indicado a continuación, en base a su concepción y construcción, así como a la versión puesta en el mercado por Top Ozono, cumple con los requisitos básico obligatorios de seguridad y sanidad de la directiva **CE**

Product Description  
Descripción de producto

**Ozone Generator / Generador de Ozono**

Product type  
Modelo

**GO 12000 T TA**

In addition, it is in compliance with the following provisions of European Directives:

Además, está en conformidad con las siguientes disposiciones de Directivas Europeas:

**Directiva 2014/35/UE del Parlamento Europeo y el Consejo**, de 26 de febrero, sobre la armonización de las legislaciones de los Estados miembros en materia de comercialización de material eléctrico destinado a utilizarse con determinados límites de tensión.

**Directiva 2014/30/UE del Parlamento Europeo y del Consejo**, de 26 de febrero de 2014, sobre la armonización de las legislaciones de los Estados miembros en materia de compatibilidad electromagnética.

**Directiva 2014/68/UE del Parlamento Europeo y del Consejo**, del 15 de mayo de 2014, sobre la armonización de las legislaciones de los Estados miembros sobre la comercialización de equipos a presión.

**Directiva 2011/65/UE del Parlamento Europeo y del Consejo**, del 8 de junio de 2011, sobre restricciones a la utilización de determinadas sustancias peligrosas en aparatos eléctricos y electrónicos.

**Directiva 2009/125/CE del Parlamento Europeo y del Consejo**, de 21 de octubre de 2009, por la que se instaure un marco para el establecimiento de requisitos de diseño ecológico aplicables a los productos relacionados con la energía.

**Directiva 2004/40/CE del Parlamento Europeo y del Consejo**, de 29 de abril de 2004, sobre las disposiciones mínimas de seguridad y de salud relativas a la exposición de los trabajadores a los riesgos derivados de los agentes físicos (campos electromagnéticos)

1 de Enero de 2020

  
**TOP OZONO, S.L.**  
N.I.F. B66.297.524