

Distributore

SERVIOZONO₃

**TOP
ZONO®**



OZONE GENERATOR

MOD. **GO-4000-AC XL**

Ozone Generator mod. G0-4000 AC XL



Read this manual before installing or connecting the generator



Precaution: Do not manipulate nor open the generator while is connected to the net electric. **Risk of discharge**



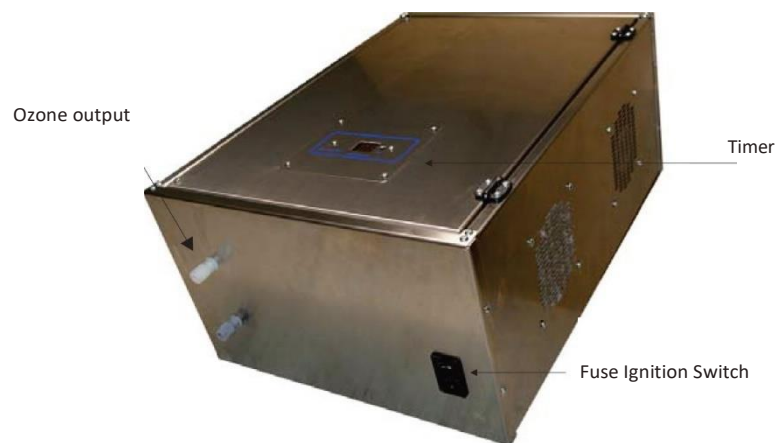
Do not use in Environments where the temperature can exceed of 50°C



Protect of the open-air and Preserve of Environments Wet or Corrosive

The **G0-4000** model is an Ozone Generator for applications where it is required to bring ozone to the place of action through a duct and driven by pressurized air from a compressor (*air conditioning ducts, cold rooms, water tanks, etc.*)

This model is built-in stainless-steel case, and its regulation is carried out by means of a digital cyclic timer

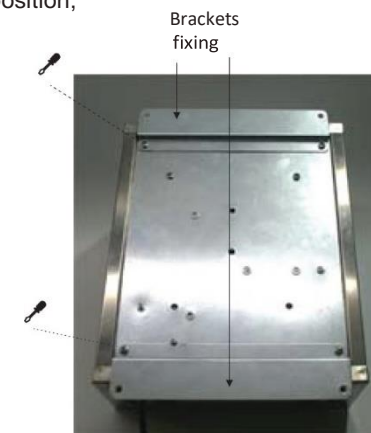


INSTALLATION

The G0-4000 can be used both horizontally (on a flat surface) and vertically (wall mounting). For this, it has fixing brackets located at the back of the generator. For wall fixation, these brackets are used to fix it.

For installation the screws are loosened of the Brackets turning them until the exterior position, y Returning a squeeze the Screws. Always do it in parts, first one squad and then the other.

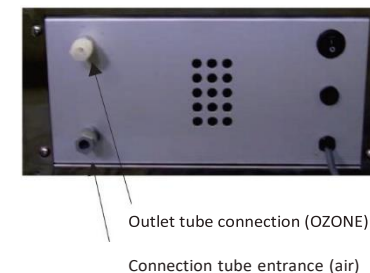
You can't remove all four screws at once.



On the front is located the ozonated air outlet connector (Top).

In models without compressor, the connector for air inlet (Lower) is also located. Connect the output tube from the generator to the application.

This tube must be 6/8 mm (int.-ext.) for the outlet and for the input. It must be made of an ozone-resistant material (pvdf or teflon).



Models with internal compressor

Due to the power limitation of the compressor, the length of the outlet tube should be less than 5 m.

It is very important that the air entering the ozone producing reactor is clean and dry for proper operation and longer life of the generator, that is why it is necessary in models with internal compressor that the air in the room where the generator is located is free of dust and grease, as well as moisture, and in cases where external compressor or the existing air system is used, place cleaning and anti-humidity air filters before it enters the generator.

The duration of the generator and the cleaning intervals will depend on the quality of the inlet air.

USING 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 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
	30 s	1 min	2 min	3 min	4 min	5 min	6 min	7 min	8 min	9 min
	30 s	9 min	8 min	7 min	6 min	5 min	4 min	3 min	2 min	1 min
	test	10%	20%	30%	40%	50%	60%	70%	80%	90%

Time ON

Time OFF

Regulation

The program number change (P1 .. P9) is done by 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 pushbutton is not manually accessible and can be cause an accidental or unauthorized change)



Note: The digit point indicates when the generator is active

Selector

Regardless of the dimming timer you can use any type of external timer (to control the 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 the models to be used with an outdoor compressor, special attention should be paid to ensure that the generator does not work if there is no air supply, since the ozone reactor could become added.

APPLICATION

This Generator of Ozone is adequate for between other the following Applications:

Air conditioning ducts

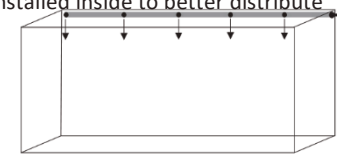
Installing the generator as close to the duct as possible, injecting the ozonated air into the interior of the distribution duct, always after the impeller turbine. The generator should operate only when the air flow is running (it can be powered in parallel with the turbine engine)



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 6/8 mm duct.

For large cameras, a distribution tube can be installed inside to better distribute ozone throughout its volume.



In these cases, the compressor appropriate to the power needed must be used.

Water tanks

Install porous bubblers at the base of the tank and carry the ozone through a duct to these diffusers that will be responsible for injecting ozonated air into the water, creating a column of bubbles.

Another option is a recirculation system with injector (venturi effect) for a correct ozone/water mixture. This system requires a recirculation pump, and it is not necessary for the ozone generator to have a built-in compressor.

The latter system is more suitable for large volumes than bubbling.

Odor removal in air extraction systems

In extractor hoods, ozone is injected into the exhaust chimney just after the fan, so that the ozone can perform its effect throughout the 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, a 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. Once finished, let go for 30 to 40 min before entering.

These are just a few examples of possible applications of the Mod Ozone Generator. GO-8000 being very large its field of application, such as in water treatments in swimming pools, water treatment for washing fruits and vegetables, cutting rooms and food packaging, odor control in silos and pits, ...

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

In water treatment applications in tanks, ALWAYS place the generator at a height higher than the maximum water level.

Technical Characteristics

Power Supply	230 V 50 Hz
Consumption	130W
Dimensions	645x405x248 mm
Weight	6 kg
Production	4000 mg/h max
Regulation	Digital timer
Elect protection	Fuse 2 A
Box	Inox steel

- 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 \pm 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.
- In models without compressor, use a maximum of 0.5 bar of pressure at the air inlet.



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

P4000AC XL

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