

Distributor

SERVIOZONO₃

**TOP
ZONO®**



Ozone Generator

MOD. P-500-ACTC

Ozone Generator MOD P-500-AC TC



Please read this manual carefully before installing and/or connecting the generator



Precaution: Do not manipulate or open the generator while it is connected to the electrical



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



Protect it from the outdoors and preserve it from damp and/or corrosive environments

The P500AC TC model is an Ozone Generator for domestic applications where water bottles, small tanks, hermetic bags are required, carrying the ozone conducted through a Teflon (or silicone) tube of no more than 2 m in length. A bubbler can be placed at the end to introduce it into water tanks, but always keeping the generator higher than the water level. This model is built in a stainless steel case and is equipped with a cyclical timer to control the production time.



Ozonated air exit

Timer

On switch

INSTALLATION AND FUNCTIONING

The P-500AC TC model is a portable equipment for home use, easily transportable (provided with a handle on the top) and built entirely in stainless steel.



The ozonated air outlet connector is located at the rear. If no tube is connected, the fan will distribute the ozonated air throughout the room.

Connect the outlet tube from the generator to the appliance. This tube must be 4/6 mm (int . ext) and made of a material resistant to ozone (pvdf , tefon or silicone)

Due to the power limitation of the compressor , the length of the outlet tube must be within 2 m

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

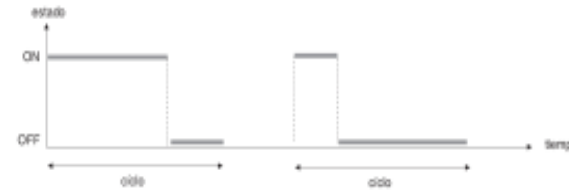
Generator life and cleaning intervals will depend on the quality of the incoming air.

Use of the Generator

Connect the generator to the 230V network through a plug equipped with an earth connection. Activate the start switch and the equipment will start to work.

The regulation of the production is carried out by time, by means of an analog cyclic timer, being able to regulate the operating time and the stop time within that cycle, which will be repeated indefinitely.

This is the way to regulate the production, since the ozone generation is measured in mg/h, by regulating the operating time we manage to regulate the production. The cycles are from 4 to 7 minutes depending on the model.



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



Indicative Generator Active (producing O₃)

Turning the knob clockwise increases the operating time and reduces that of unemployment. Turning it in the opposite direction, the reverse effect is obtained

Indicative of Generator operation

The operation of the timer is cyclical. The start and stop cycle will be repeated indefinitely.

With a constant period, increasing the operating time proportionally decreases the stopping time (and vice versa).

APPLICATION

The mod generator. P500AC is suitable for small ozonation treatments in water bottles and jugs, airtight disinfection treatment bags (such as skin treatments), deodorization, and even directly on ambient air.



The application of ozone in a unit with an internal compressor is always carried out through a duct (made of ozone-resistant material) that transports the air charged with O_3 to the application. In the previous example, a water tank is ozonated by means of a tube that is inserted into the tank and a bubbler in the final part, which provides the correct mixture of ozone in the water. In the case of ozonizing closed spaces, make an entrance hole for the tube in the place to be treated, always keeping the equipment outside. For localized treatments, it is necessary to seal with a plastic seal and instead I will try to introduce the final end of the tube coming from the generator in the interior so that the ozone fills it completely, and let it act.

TECHNICAL CHARACTERISTICS

Power supply	230V 50Hz
Consumption	0.2 A
Dimensions	340x165x 165 mm
Weight	4.2 kg
Production	500 mg/h.max
Regulation	Timer
Electrical production	Fuse 2 A
Box	Stainless steel

- All the characteristics indicated above can be modified without previous notification.
- Do not open without first disconnecting it from the electrical network and do not manipulate it by unauthorized personnel. The voltage outlet must be equipped with a ground connection according to current regulations.
- If the power supply voltage exceeds $230\text{ V} \pm 10\%$ or there are excessive surges on the line, the generator may not work properly and may deteriorate.
- If the power cable and/or the connection are damaged, do not use the generator. In the event of any malfunction, it must be repaired by an authorized agent.
- Maintenance and cleaning of the generator must be carried out by authorized personnel.
- This ozone generator is not suitable for placement inside cold rooms.



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

P500ACTC

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.
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