

MICROBIOLOGICAL DECONTAMINATOR



Ozone maker – codice 4017740

Ozone maker is a latest generation instrument, equipped with a very high purity **ozone-O₃** production system. The "Corona Effect" generator, combined with the high volume of air and 4000 mg / hour of active oxygen guarantees total microbiological decontamination of environments and surfaces without leaving chemical residues. Ozone maker works in Stand Alone mode with predefined timed settings. **It is also Less Maintenance.**

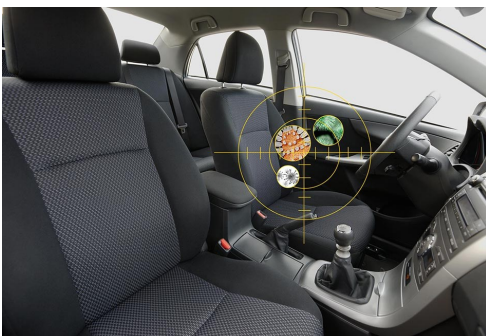
General information and features:

Ozone is a low density natural gas, composed of a molecule with three oxygen atoms - formula **O₃**. It is colorless with a sour / pungent odor.

Ozone-O₃ is recognized by the Ministry of Health as a **NATURAL PRESIDIU**M for microbiological decontamination from any organic microorganism such as: bacteria, viruses, spores, molds, fungi, yeasts and mites. The microbiological decontamination treatment, in other words sterilization, disinfection and sanitization is totally ecological. It occurs by saturating the treated area with **ozone-O₃**, while the high oxidizing power is able to release oxygen atoms and oxidize all the microorganisms with which it comes into contact; killing them. Reverting spontaneously into pure oxygen **O₂** disperses without leaving any residue.



Automotive Sector - Application:



The **ozone-O₃** treatment ensures total microbiological decontamination throughout the passenger compartment as well as the elimination of any organic or inorganic odor. The air conditioning system, in particular, uses the **ozone-O₃** treatment in environments conducive to the proliferation of bacteria and viruses such as: evaporator, condensate pan and ventilation ducts. With a killing rate of 99.5% of microorganisms, it guarantees total decontamination.

Advantages of ozone treatment:

- Absolute efficacy of the sterilization, disinfection and sanitization treatment.
- No waste chemicals.
- Very low cost of treatment (equal to the electricity used).
- Saturation of **ozone-O3** gas occurs throughout the whole passenger compartment included in the less accessible areas.

Disadvantages of ozone treatment:

- Ozone above 25 ° C degenerates very quickly, decreasing bactericidal efficacy. Solution: cool the cabin before carrying out the treatment.
- The oxidizing power is applicable to all the components of the passenger compartment, therefore in the long run it can degrade some materials particularly subject to oxidation.

Legislations:

- Protocol no. 24482 of 31/07/1996 - Ministry of Health (Italy) recognized the use of ozone in the treatment of air and water, as a natural aid for the sterilization of environments contaminated by bacteria, viruses, spores, molds and mites.
- Protocol no. 2003/40 / CE of 16/05/2003 - EFSA - Ozone for the treatment of natural mineral waters.
- Protocol 2018 - ECHA (under approval) (EU) - Ozone Included in the European biocides list.

Spare Parts:

- Code 4017741 – Ozone generator plate

Technical specifications:

Model:	Ozone maker - code 4017740
Voltage:	12VDC - with power supply 110-230 VAC
Power consumed:	40W
Air volume:	2.25 m³ /min. - Max
Active Oxigen:	4000 mg/h
Noise emission level:	30 dB
Dimensions:	L 202 x L 148 x A 150 mm
Gross weight:	2,5 Kg