

STORM 14 GR CONVERT SERIES



STORM 14GR CONVERT are Ozon generators made for professional use, suitable for sanitizing medium to large rooms with very high performances. They have a device that convert Ozon into oxygen at the end of the treatment with a catalysis action, making possible to stay the rooms faster than using an ordinary Ozon generator.

Made in Italy with the most high-quality components, its technology converts Oxygen in Ozon with electrodes on a ceramic plate (corona discharge).

This generator can work on an automatic timer that you can set on eight different output cycles (10- 20- 30- 40- 50- 60- 70 and 90 minutes) It's also possible to schedule up to 6 cycles of 40 minutes with a 15 minutes stand-by between every cycle.

Ozon is a natural product for the sterilization against bacteria viruses and spores contemned spaces, certified by the Ministry of Health (protocol number 24482 of 31/08/1996) and it's an effective disinfectant for the treatment of air and water (CNSA 27/10/2010).

Technical Features

STORM 14 GR CONVERT

	u.m.	14 GR CONVERT
Ozone Output	Gr/h	14
Convert system O3 in O2	Modality	catalysis
Voltage	V	220-240
Frequence	Hz	50/60
Power	W	240
Working Schedule	n.	8 +6 automatic cycles
Ozone Cycles Time Setting	min.	10-20-30-40-50-60-70-90
Programmed catalysis timing	min.	10-20-30-40-50-60-70-90
Housing material	type	Varnished Steel
Size	mm.	432 x 342 x 310 h
Weight	Kg.	8,5



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WHAT IS OZONE?

Ozone is a molecule that consists of three oxygen atoms (O₃), in nature it is produced by some chemical reactions. The most familiar example is of course the ozone layer, where ozone is produced from the sun's ultra-violet (UV) rays, but ozone is also produced at thunderstorms.

Ozone is a powerful sterilant and its function is to destroy bacteria, viruses and odors in air and water.

In addition to being a natural repellent for infesting insects, it eliminates bad odors by completely neutralizing the particles that cause them.

Most important thing, the Ozone eliminates over the 99% of pathogens such as bacteria, viruses, moulds, yeasts and spores, destroying their molecular structure, causing their decease (bacteria) or inactivation (virus) removing every possible effect

HOW DOES OZONE WORK?

The principle of operation for ozone production in these generators is made by corona discharge.

Using a high-voltage produced electricity discharge, it exploits dry air and oxygen of areas producing ozone. The air-cooling is made by a high-quality and top-performing fan.

Its technology make possible to release elevated Ozone confluence in the treated spaces.

As a gas, Ozone has a huge penetration capability, so it guarantees the most complete sanitization, also in areas that are not so easy to reach with other systems.

OUTPUT CONTROL

The Ozone output, that you'll see on the machine display, is controlled by a system that can precisely establish how long the treatment will last.

There are eight time set cycles from 10 to 90 minutes. It's also possible to schedule up to six treatment of the 40 minutes cycles with a 15 minutes stand-by between them.



SANITIZATION DURATION

This is an example chart with treatment duration and the corresponding area size for an effective STORM 14 gr disinfection cycle

Treatment duration	Saturate M3 with 14 GR
30 minutes	170
60 minutes	350
90 minutes	520

EFFECT ON PATHOGENICS

Chart with duration of treatment needed, with Ozone saturated areas, for the elimination of variuos pathogenics.

Organisms	Ozone sat. needed	Effective duration
Muffe	2 ppm	60 minutes
Funghi	0,02 - 0,26 ppm	2 minutes
Batteri	0,23 - 2,2 ppm	20 minutes
Virus	0,2 - 4,1 ppm	20 minutes

CATALYSIS CONVERSION

At the end of the treatment, the generator starts a catalysis action to re-convert ozone into oxygen, keeping your spaces safe and making a faster "back to work" procedure.



BRANCHES OF APPLICATION

Ozone can be used in spaces such as medical, dental and animal clinics, pharmacies, Spas, gyms, sport clubs, hotel kitchens and rooms, food laboratories, canteens, meeting rooms, retirement homes, vehicles, boats, offices, stores, boutiques, showrooms, houses and buildings.



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