

GZO12-EPS Professional Ozone Generator

Professional Ozone Generator, with compressor, oxygen concentrator, PLC and refrigeration dryer. Ozone production of 12 gO3/h, at 45 g/Nm3 concentration. 230V, 50-60Hz, 700W.

Compact ozone generator, with **air compressor and integrated Oxygen concentrator. It also includes filters, a refrigerant dryer, and PLC control, with a touch screen,** data logging and remote access. Manufactured with high quality components, ready to connect electrically and work. **Robust, durable and reliable equipment.**

★★★★★ Highly recommended

2 years warranty (expandable if you have a maintenance contract)
Manufacturing in 10-15 days



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More information
www.zonosistem.com

What is it used for?

This generator is mainly used**for water or air treatments**, which require a powerful treatment control. Ozone equipment used by **professional farmers, public swimming pools, drinking water, process water, waste water, laboratories, research centres, cooling towers**, etc. This ozone generator equipment is also used to**eliminate odours in catering extraction hoods, towers and deodorisation**.

Product Details

Equipment

Ozone Generation system	12 gO3/h module with borosilicate dielectric. Air-cooled
Compressed air unit	Pre-filter + Compressor + filter + refrigerator dryer
Oxygen concentrator	Bicolumn / alumina - makes air 95% pure in oxygen.
Control	By PLC 4.3 "Touch screen, with Recipe manager, daily programmer, PID control, alarm and maintenance manager.
Communication	Wired remote ON. Status relays (Started, Generating, Failure). Allows ModBus communication. Remote Access with Full Control, if you purchase an optional Ethernet card.
Sensors	Ozone Amps / Compressed air Pressure / Oxygen Pressure / Door Opening.
Technical Valves	Ozone outlet solenoid valve, oxygen flow meter with manual regulation.
Included in the packaging	2 meters of 8mm Teflon Tube + 2 meters of 10mm Polyurethane Tube + Electrical Connection Cable + User Manual

Technical characteristics

Ozone Production	12 gO3/h
Ozone concentration	Máxima = 80 g/Nm3 Óptima = 45 g/Nm3
Air/Oxygen flow	5 lpm
Power supply	230v, 50-60Hz
Electric Power	700 W
Gas connection	OUT Tube 8 mm outer diameter
Dimensions	600 x 250 x 1000 mm (Width x Depth x Height)
Packed size	600 x 760 x 1150 mm (Width x Depth x Height)
Weight	87 Kg

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Data sheet

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ZonoSistem
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Additional Information

Made by	ZonoSistem
Made in	Spain
Sold from	2014
Last revision	2021
Certificates	CE, BIOCIDA PT2, PT4, PT5, PT11
Warranty	2 years warranty (indefinitely extendable with a maintenance contract)
UFI number	G000-W09P-Y00M-TV8V

Working Conditions

Humidity	<85%
Room temperature	5 - 35 ºC
Source gas	Oxygen is generated by the equipment itself using an ozone concentrator (PSA unit)
Working pressure	0-0,4 bar

Room fittings

The room must be well ventilated. It is recommended to install an ozone leak sensor and post safety warnings in the room.

Functioning

This GZO ozone generator includes a**touch screen** from which you can easily and intuitively program different treatments throughout the day, by means of a recipe planner. When the equipment receives the order to start, the **compressor starts, takes air from the atmosphere, filters it, dries it and introduces it into the PSA, where the nitrogen is eliminated from the air and the oxygen is concentrated to a purity of 95%**. This oxygen flow is fed to the generation core, where the corona discharge is applied and the oxygen is converted into ozone. With the oxygen flow meter you can regulate the desired flow rate.

Included documentation

- Safety manual.
- User manual, installation and commissioning.
- Maintenance manual.
- Declaration of Conformity.
- Warranty Certificate.
- Compliance with biocidal regulations.
- Our Quality Test results.

Technology

This GZO ozone generator uses high frequency corona discharge technology with ceramic dielectric.cerámico.

We comply with biocidal regulations and ISO certificates

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