Data sheet

GRZO200-EPSF Industrial Ozone Generator. V4

FABGRZO.0025



GRZO200-EPSF Industrial Ozone Generator. V4

Industrial Ozone Generator, cooled by glycol, with compressor, oxygen concentrator, dryer, chiller and PLC control with touch screen. Ozone production of 200gO3/h, at a concentration of 148g/Nm3. 400V, 3P+N, 50Hz, 5,3 kW.

Compact glycol-cooled ozone generator with high ozone concentration, with **air compressor and integrated Oxygen concentrator. It also includes filters and refrigerant dryer, chiller, ozone leak sensor and PLC control, with 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 30-40 days



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More information
www.zonosistem.com

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Product Details

This powerful ozone generating machine is mainly used in**water disinfection and purification treatments**, and is frequently used in **wastewater treatment plants** (WWTP), **public water purification** (DWTP), **agricultural irrigation lines, fish farms, aquariums, recovery of lakes and ponds, swimming pools**, etc...

Product Details

Equipment

Ozone Generation system	200 g O3/h ferrule with borosilicate dielectrics. Glycol cooled.
Oxygen concentrator (PSA)	Set of two-column concentrators and compressors, 95% purity.
Compressed air unit	Pre-filter + Compressor + Dryer + Filter
Refrigeration	Chiller + 25 L of Glycol ready to use
Control	For PLC V700, 7". Recipe manager, weekly programmer, alarm and maintenance manager.
Communication	Wired Remote ON, Status Relays (Initiated, Generating, Fault), Allows ModBus communication and Remote Access with Full Control with VPN router included.
Sensors	Ozone Amps, Compressed Air Pressure, Oxygen Pressure and Flow, Refrigeration Flow and Temperature, Door Opening, Ozone Leakage in a range of 0-10 ppm, and with a resolution of 0.01 ppm.
Technical Valves	Motorised outlet ozone valve, Manually controlled oxygen flowmeter, Motorised oxygen valve
Included in the packaging	Coolant Carafe + User's Manual

Technical characteristics

Ozone Production	200 g O3/h
Ozone concentration	Max. = 200 g/Nm3 Optimum = 148 g/Nm3
Air/Oxygen flow	30 L/min.
Power supply	400 V, 3 P+N, 50 Hz
Electric Power	5.6 kW
Gas connection	OUT Thread 1/2 " Female + with tube fitting 10 mm Ext.
Dimensions	1200 x 1100 x 1850 mm (L x l x h)
Weight	330 kg
Packaging equipment dimensions	140 x 140 x 185 cm (Width x Depth x Height)
Weight of equipment with packaging	407 Kg
External dimensions	143 x 143 x 207 cm (Width x Depth x Height)

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Additional Information

Made by	ZonoSistem
Made in	Spain
Sold from	2016
Last revision	2023
Certificates	CE, BIOCIDE PT2, PT4, PT5, PT11
Warranty	2 years extendable indefinitely, with maintenance contract
UFI number	G000-W09P-Y00M-TV8V

Working Conditions

Humidity	< 85%
Room temperature	5 - 35ºC
Working pressure	0.7 bar
Source gas	Oxygen is generated by the equipment itself with its PSA unit.
Quality of the water that is refrigerated	Fill the chiller with the prepared Glycol included in the scope of delivery.
Others	Admits Venturi at the outlet

Operation

This ozone generator equipment from the GRZO range includes a**touch screen** from which you can easily and intuitively program different treatments throughout the day. You can do it using a recipe planner. When the equipment receives an order, the refrigeration circuit is activated and the **compressor** starts taking air from the atmosphere. The air is filtered, dried and introduced into the **PSA** where the nitrogen is removed from the air. The oxygen gets concenterated to a purity of 95%. This flow of oxygen is conducted to the generation system where the corona discharge is applied and the oxygen is transformed 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.
- Certificate of guarantee
- Compliance with biocidal regulations.
- Our Quality Test results.

Technology

This GRZO ozone generator uses high frequency corona discharge technology with borosilicate dielectrics.

We comply with biocidal regulations and ISO certificates.

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