FABGRZO.0029



GRZO120-EPSF Industrial Ozone Generator. V5

Industrial Ozone Generator, cooled by glycol, with compressor, oxygen concentrator, dryer, chiller and PLC control with touch screen. Ozone production of 120gO3/h, at a concentration of 148g/Nm3. 400V, 3P+N, 50Hz, 3,2 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

Data sheet

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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	120 g O3/h ferrule with borosilicate dielectrics. Glycol cooled.
Compressed air unit	Pre-filter + Compressor + Refrigeration dryer + Filters
Refrigeration	Chiller + Glycol
Oxygen concentrator (PSA)	Set of two-column concentrators and compressors, 95% purity.
Technical Valves	Motorized Outlet Ozone Valves, Manual Ozone Pressure Regulating Valve
Sensors	Amperes in Ozone, Compressed air pressure; Pressure, Temperature and Oxygen Flow, Ozone Leakage, Door Opening.
Communication	ON Remote wiring, status relays (started, generating, fault). Allows ModBus communication, remote access with full control if you purchase optional Ethernet card.
Control	By 4.3" Touch PLC, PID control, alarm and maintenance manager.
Included in the equipment	The equipment includes Refrigeration Dryer and Chiller
Included in the packaging	Tubo de teflón de 10 mm + Tubo de poliuretano de 16 mm + Tubo de poliuretano de 12 mm + Manual de usuario

Technical characteristics

Gas connection	Tube fitting 10 mm Ext.
Ozone Production	120 g O3/h
Air/Oxygen flow	20 L/min.
Weight	Consult
Packed size	Consult
Dimensions	Consult
Electric Power	3,2 kW
Power supply	400 V, 3P+N, 50 Hz

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Additional Information

Last revision	2024
Sold from	2024
Made by	ZonoSistem
Made in	Spain
Warranty	2 years extendable indefinitely, with maintenance contract
UFI number	G000-W09P-Y00M-TV8V
Certificates	CE, BIOCIDE, PT2, PT4, PT5, PT11

Working Conditions

Humidity	< 85%
Working pressure	0,95 Bar
Source gas	The oxygen is generated by the team itself with its PSA unit
Room temperature	5 - 35 ºC

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.
- Cetificate of guarantee.
- Compliance with biocidal regulations.
- Our Quality Test results.

Technology

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

We comply with biocidal regulations and ISO certificates

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