

FABGRZO.0009

GRZO100-EPSF

Industrial Ozone Generator, cooled by glycol, with compressor, oxygen concentrator, dryer, chiller and PLC control with touch screen. Ozone production of 100gO3/h, at a concentration of 148g/Nm3. 400V, 3P+N, 50Hz, 3.2 kW.

Compact, water-cooled, generator with high ozone concentration, **with air compressor and integrated oxygen concentrator. It also includes filters and refrigeration dryer, chiller, ozone leak sensor and PLC control (with touch screen, data logging and remote access).** Manufactured with high quality components, ready to electrically connect and function. **Robust, durable and reliable equipment.**



★★★★★ Highly Recommended
2 years warranty (expandable if you have a maintenance contract)
Manufacturing in 30-40 days

Product Details

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

Product Details

Equipment

Ozone Generation tube	A 100 gO3/h Module with ceramic dielectric. Glycol cooled.
Compressed air unit	Pre-filter + Compressor + filter + dryer
Oxygen concentrator	Activated alumina columns, 95% purity, -30°C Dew Point.
Refrigeration	Chiller + Container with 25 liters of prepared Glycol
Control	By PLC V700, 7 ". Recipe manager, weekly programmer, alarm and maintenance manager
Communication	Wired remote ON, Status relays (Started, Generating, Failure), Allows ModBus communication and Remote Access with Total Control with VPN router included.

Work Conditions

Humidity	<85%
Room temperature	5 - 35°C
Work pressure	1,4 - 1,6 bar
Gas	Oxygen is generated by the equipment using its PSA unit
Quality of the water that is refrigerated	Fill the chiller with the prepared Glycol solution included in the supply
Others	Supports Venturi on exit

Room fittings

The room must be well ventilated. There must be an extraction system in case of leaks. It is recommended to install an ozone leak sensor and a sign with safety warnings in the room.

Sensors	Ozone sensor, Compressed Air Pressure, Oxygen Pressure and Flow, Refrigeration Flow and Temperature, Ozone Leaks, Door Opening
Technical Valves	Outlet ozone solenoid valve, Oxygen flow meter with manual regulation

Technical Features

Ozone Production	100 gO ₃ /h
Ozone concentration	Maximum = 200 g/Nm ³ Optimal = 148 g/Nm ³
Oxygen Flow	19 lpm
Power supply	230V, 50-60Hz
Electric Power	Ozone Generator = 0.8 KW PSA = 1.5 KW Chiller = 0.9 KW
Gas connection	OUT Thread 1/2 "Female + with Fitting for tube 10mm Ext.
Dimensions	1200 x 1100 x 1750 mm (Width x Depth x Height)
Weight	Please consult
Dimensions packed	Plase consult

Additional Information

Made by	ZonoSistem
Made in	Spain
Sold from	2015
Last revision	2021
Certificates	CE, BIOCIDAL PT2, PT4, PT5, PT11
Warranty	2 years (indefinitely extendable, with a maintenance contract)
UFI number	G000-W09P-Y00M-TV8V

Operation

This ozone generator equipment from the GRZO range includes a touch screen to easily program different treatments throughout the day. 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. The oxygen gets concentrated to a purity of 95% and it is conducted to the generation system where the corona discharge is applied and is transformed into ozone. With the oxygen flow meter you can regulate the desired flow rate.

Technology

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

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.