Data sheet

GRZO80-EPSF Industrial Ozone Generator. V5

FABGRZO.0031



GRZO80-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 80 g O3/h, at a concentration of 148 g/Nm3. 400 V, 3 P+N, 50 Hz, 2,5 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

Included in the equipment	Refrigeration dryer and water chiller
Compressed air unit	Pre-filter + Compressor + filter + refrigerant dryer
Included in the packaging	2 m. of 10 mm Teflon tube + 2 m. of 16 mm polyurethane tube + User manual
Technical Valves	Motorized Ozone Outlet Valve, Oxygen Flowmeter with Manual Regulation
Sensors	Ozone Amps, Compressed Air Pressure, Oxygen Pressure, Temperature and Flow, Ozone Leaks, Door Opening.
Communication	Wired remote ON, status relays (started, generating, fault). Allows ModBus communication, remote access with full control if you purchase an optional Ethernet card.
Ozone Generation system	80 g O3/h ferrule with borosilicate dielectrics. Glycol cooled.
Control	By 4.3" Touch PLC, with Recipe Manager, daily programmer, PID control, alarm and maintenance manager.
Oxygen concentrator (PSA)	Activated alumina twin-column concentrator, 95% purity

Technical characteristics

Ozone Production	80 g O3/h
Gas connection	OUT Tube 10 mm ext. diameter
Packed size	To consult
Dimensions	500 x 600 x 1600 mm (L x l x h)
Cooling capacity	2,5 kW
Power supply	400 V, 3 P+N, 50 Hz
Oxygène Flow	10 L/min.
Weight	220 kg
Ozone concentration	Max. = 200 g/Nm3 Optimum = 150 g/Nm3

Additional Information

Working Conditions

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

Room fittings	The room must be well ventilated. It is recommended to install an ozone leak sensor and safety warning sign in the room.
Humidity	< 85%
Working pressure	0,95 bar
Source gas	The oxygen is generated by the equipment itself with its PSA unit
Room temperature	5 - 35 ºC

Operation

This ozone generator 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 concentrated 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 the 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 dielectric.

We comply with biocidal regulations and ISO certificates

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