FABHVGZO.0003



HIDRO V GZO20-EPS Professional Ozone Plant

Hydro V type Ozone Generating Plant for water treatment in tank. With Professional Ozone Generator, with compressor, oxygen concentrator, PLC, venturi dilution system and pump. Ozone production of 20 gO3/h, at a concentration of 65 g/Nm3. 230V, 50Hz, 1.6KW.

[Spanish design and manufacture] Ideal for injecting ozone into a tank or water pipe.
[Built-in dilution system] It manages to inject ozone into the water, thanks to the pump and venturi.
[PLC automatic operation] Select the amount of ozone you want and the system automatically adjusts itself.
[Simple Installation] You only have to connect the equipment to the tank you want to treat and provide it with a light point.
[No replenishment of chemicals] Ozone is generated from the air we breathe.
[Maximum Security] The system controls the entire process and includes an ozone leak sensor.

★★★★★ Highly recommended
2 years warranty (expandable if you have a maintenance contract)
Manufacturing in 10 days



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More information
www.zonosistem.com

What is it used for?

To dose ozone in a water tank, maintaining a constant ozone concentration. Used to disinfect and purify water, tanks and pipes. Widely used in agricultural water treatment, **for drip or sprinkler irrigation, in treatment of drinking water, wastewater, process water, cooling towers, swimming pools, aquariums**, etc. Ozone is an excellent disinfectant, which allows you to maintain hygiene both in the water and in the pipes.

Product Details

Equipment

Ozone generator	Latest generation GZO20-EPS model
Oxygen concentrator	With compressor, oxygen concentrator at 95% purity and -30ºC Dew Point
Ozone Dilution System	Composed of pump, venturi and anti-return safety system
Control	By PLC with 4.3" touch screen. Recipe manager, daily programmer, alarm and maintenance manager. Power PID control based on Redox or Ozone dissolved.
Communication	Wired remote ON, Status relays (Initiated, Generating, Fault), Allows ModBus communication. Optionally allows Remote Access with full control with VPN router.
Sensors	Amps in Ozone, Compressed Air Pressure, Oxygen Pressure and Flow, Ozone Leaks, Door Opening. In the plant: Redox control, maximum and minimum pressure switch in the tower, manometer. Optional dissolved ozone sensor.
Technical Valves	Outlet ozone solenoid valve, oxygen flowmeter with manual regulation. Stainless steel 316L motorized safety anti-return valve on the venturi.
Included in the packaging	User manual

Technical characteristics

Ozone Production	20 gO3/h
Ozone concentration	Maximum = 100g/Nm3 Optimum = 65 g/Nm3.
Air flow	5 lpm
Power supply	230V, 50Hz
Electric Power	Ozone Generator = 910 W Pump = 750W
Hydraulic connection	PVC Input and Output Glue 32mm
Dimensions	680 x 626 x 1500 mm (Width x Depth x Height)
Packed size	950 x 950 x 2000 mm (Width x Depth x Height)
Weight	155 Kg

Additional Information

Working Conditions

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

Working pressure	0 - 0,4 bar
Humidity	<90%
Room temperature	5-40ºC
Hydraulic Working Pressure	Between 0 and 6.5 bar
Fluid temperature	5-40ºC
Fluid freatures	Ø Solids < 1mm; Suspended solids (SS) <150mg/l; Density = 1 g/cm3 ± 5%

Room fittings

The room must be well ventilated, and provide an extraction system in case of leaks. Install sign with safety warnings. It is recommended that the room have a drainage box.

Functioning

This HIDRO V GZO-EPS ozone plant includes a **touch screen** from which you can easily and intuitively program different treatments throughout the day, using a recipe planner. When the equipment receives a start order, the refrigeration circuit is activated, and the compressor starts up, takes air from the atmosphere, **filters it**, **dries it** and introduces it into the **PSA**, where nitrogen is removed from the air, and the oxygen is **concentrated to a purity of 95%**. This flow of oxygen is conducted to the generation core, where the corona discharge is applied and the **oxygen is transformed into ozone**. With the oxygen flow meter you can regulate the desired flow. The recirculation pump takes water from the tank, and the ozone generated is injected into the venturi, returning a highly ozonated water to the tank, where it is homogenized and reacts with the pollutants. In this way you can disinfect the water, the tank and the pipes.

Included documentation

- Safety manual.
- User manual, installation and commissioning.
- Maintenance manual.
- Declaration of conformity.
- Certificate of guarantee.
- Compliance with the biocidal regulation.
- Results of the Quality Test in the factory.

Technology

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

We comply with biocidal regulations and ISO certificates.

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CRTL.AQU.0031



CRTL.PANEL DISSOLVED OZONE 20 PPM. AMMETER

On panel dissolved ozone analyzer

Control equipment for measuring quantities of ozone dissolved in water. Mounted on a panel for an easy intallation in a wide variety of industrial applications.

Includes:
Pressure reducer
Rotameter
Flow switch
Flowmeter
Probe fitting
Dissolved ozone probe
Pressure gauge
Controller with display

★★★★★ Highly recommended
2 years warranty
Manufacturing in 1-2 days

Product Details

Technical characteristics

Measuring range	0-20 ppm
Resolution	0,01 mg/L
Output signal	4-20 mA
Power supply	230 V, 50-60 Hz
Dimensions	560x460x180 mm

Additional Information

Made by	ZonoSistem
Made in	España
Sold from	2022
Last revision	2022
Warranty	2 años
UFI number	G000-W09P-Y00M-TV8V

Working Conditions

Humidity	< 90%
Room temperature	0-60 ºC
Fluid temperature	0-60 ºC

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FABDES.0002



THERMOCATALYTIC DESTRUCTOR DOTC.20L

Thermocatalytic ozone destructor with a suction flow rate of 1.2 m3/h and 220 V, 50 Hz, 35 W power supply. Recommended for ozone generators up to 75 g O3/h.

Thermocatalytic ozone destructor with suction turbine, control panel, contact chamber and heating element. Manufactured with high quality components. **Durable and reliable equipment.** Installation of demister or drift eliminator in the inlet pipe to the destructor is required.

★★★★★ Highly recommended
2 years extendable warranty
Consult delivery time

Product Details

Equipment

Included in the packaging	User Manual
Included in the equipment	Suction Turbine, Control Panel, Thermal Resistance

Technical characteristics

Connection	1"-H
Treatment flow rate	1,2 m3/h
Electric Power	35 W
Power supply	230 V, 50 Hz
Dimensions	35 x 35 x 600 (Width x Depth x Height)
Weight	Check

Additional Information

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

Working Conditions

Humidity	<85%
Room temperature	5 - 35ºC

Room fittings

The room must be ventilated. Install sign with safety warnings.

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CRTL.AIR.0005



CRTL SM41B Ambient ozone sensor with light acoustic beacon

Environmental ozone controller-alarm with light acoustic beacon, has an electrochemical sensor, backlit LCD screen, with a resolution of 1 ppb and a consumption of 2.8 W at 230 V, 50 - 60 Hz.

Includes:
- Real-time detection and monitoring Ozone sensor
- Electrochemical ozone level
- Preset two-stage alarm point for ozone measurement
- Buzzer alarm and 3 color backlight LCD indication
- Luminous acoustic beacon
- Provided with 2x Relay dry contact outputs and 1x Analog output
- Modbus RS485 communication interface
- High ER performance with low ER price.

★★★★★ Highly recommended
2 years warranty
Check delivery time

Product Details

This ozone sensor detects in real time the level of ozone gas in the environment**essential for the safety of operators and your company's facilities.**

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