FABHVGZO.0002



HIDRO V GZO12-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 12 gO3/h, at a concentration of 45 g/Nm3. 230V, 50Hz, 1.45KW.

[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



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 GZO12-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	12 gO3/h
Ozone concentration	Maximum = 80g/Nm3 Optimum = 45g/Nm3
Air flow	5 lpm
Power supply	230V, 50-60Hz
Electric Power	Ozone Generator = 910 W Pump = 750W
Hydraulic connection	PVC Input and Output Glue 32mm
Dimensions	680 x 650 x 1600 mm (Width x Depth x Height)
Packed size	Consult
Weight	Consult

Ficha Técnica

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Additional Information

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 Conditions

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%
Working pressure	0 - 0,4 bar

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.