

HIDRO VT GZO12-EPS Professional ozone plant

Hydro VT type Ozone Generating Plant for water treatment in a pressure line. With Professional Ozone Generator, compressor, oxygen concentrator, PLC, venturi dilution system, pump and contact tower. Ozone production of 12 gO3/h, at a concentration of 45 g/Nm3. 230V, 50-60Hz, 1,45KW.

[Spanish design and manufacture] Ideal for injecting and maintaining high doses of ozone in a pressurized water pipe.
[High performance] Get high doses of dissolved ozone, and a homogeneous mixture, thanks to the pump, venturi and contact tower.
[Auto operation] Select the amount of ozone you want in the pipe and the system automatically adjusts itself.
[Simple Installation] You only have to connect the equipment to the pipe 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 10-15 days



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What is it used for?

You will be able to dose ozone in a pressurized water pipe. You will be able to maintain a constant ozone concentration.**This system is used to disinfect water and pipes**. Widely used in agricultural water treatment, for drip or sprinkler irrigation**It is used to treat drinking water, waste water, process water, cooling towers, swimming pools, aquariums,** etc. Ozone is an excellent disinfectant. It will allow you to maintain the 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 (it reaches 95% oxygen purity and -30ºC Dew Point)
Ozone Dilution System	Pump + venturi + 316L stainless steel tank + anti-return safety system
Control	By PLC. 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 electrovalve, 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 g O3/h
Ozone concentration	Maximum = 80 g/Nm3 Optimum = 45 g/Nm3
Air/Oxygen flow	5 L/min.
Power supply	230 V, 50 - 60 Hz
Electric Power	Ozone Generator = 700 W Pump = 750 W
Hydraulic connection	Inlet and outlet 2"
Dimensions	1220 x 720 x 1700 mm (Width x Depth x Height)
Packed size	1400 x 900 x 1900 mm (Width x Depth x Height)
Weight	222 Kg

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Data sheet

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ZonoSistem
Ingeniería del Ozono S.L.U

Additional Information

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

Working Conditions

Humidity	< 85%
Room temperature	5 - 40ºC
Hydraulic Working Pressure	Between 0 & 6,5 bar
Fluid temperature	5 - 30ºC
Fluid freatures	Ø Solids < 1mm; Solids in suspension (SS) <150 mg/L; Density = 1 g/cm3 ± 5%
Working pressure	0 - 0,4 bar

Room fittings

The room must be well ventilated with a extraction system (for any possible leak). You should install a sign with safety warnings. It is recommended that the room have a drainage box.

Functioning

This HIDRO VT ozone plant includes a**touch screen**. Thanks to it you can easily and intuitively program different treatments throughout the day using a recipe planner. When the equipment receives a start order, the water recirculation circuit is activated, and the **compressor** starts up. Then it takes air from the atmosphere, **filters** it, **dries** it and introduces it into the**PSA**. There is where the nitrogen is removed from the air and**the oxygen is concentrated to a purity of 95%**. This flow of oxygen is conducted to the ozone generation area where it is transformed into ozone thanks to a corona discharge. With the oxygen flow meter you can regulate the flow. **Ozone gas will be injected into the client's water line** and then it will be **homogenized with the water in a tank.** The water will be disinfected.

Included documentation

- Safety manual
- User manual, installation and start-up.
- Maintenance manual
- Declaration of conformity.
- Certificate of guarantee.
- Compliance with the biocidal regulation
- Result of Quality Test

Tecnology

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

EUO3TA.org European Ozone Trade Association

ISO 9001 ISO 14001 BUREAU VERITAS Certification

CE

We comply with biocide regulations and ISO certificates

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More information
www.zonosistem.com