

H2ZERO CONNECT CLEAR 20 (OZONE PLATFORM, OZONE GENERATOR, OXYGEN GENERATOR, CHILLER)



OZONE GENERATOR XArc-10000

The X-ARC 10000 ozone generator produces high-concentration ozone (up to 110 g/Nm³), ensuring efficient oxidation performance. The system includes ozone generation, controlled injection, oxidation management, and ozone destruction units, guaranteeing high efficiency and maximum operational safety.

- The system is designed to treat a flow capacity of up to 2000 g/h.
- Ozone Generator X-Arc 10000 dimensions (mm): 1495 x 1536 x H 2228.

OXYGEN GENERATOR

The PSA oxygen generator provides a continuous oxygen supply of up to 20 Nm³/h, with a purity of up to 93%. The system operates through zeolite-based adsorption technology and includes automated valve control and fully integrated process management, ensuring reliable and efficient operation.

- Oxygen generator dimensions (mm): 900 x 1220 x H 2224.

CHILLER

The thermo chiller ensures precise temperature control of the circulating fluid, which is essential for stable ozone generation and system performance. The unit includes a refrigeration system, circulation pump, PID temperature control, and integrated safety and monitoring functions, ensuring high efficiency and operational reliability.

- Chiller dimensions (mm): 760 x 1360 x H 1300.

OZONE PLATFORM

The system is mounted on a compact and fully integrated platform, which includes:

- Two stainless steel tanks.
- Ozone destructor.
- Recirculation and dosing pumps.
- Automated process control based on PID regulation.

The platform is designed to operate in a fully automated manner, managing the complete treatment cycle, including tank filling, ozonation process, and discharge, ensuring consistent performance and ease of operation.

- Ozonation platform: 3040 x 3910 x H 4070.

RUNNING COST

The ozone system has been designed to operate with low and predictable running costs, ensuring reliable performance and easy operational management.

The operating cost of the system is mainly composed of two elements: energy consumption and maintenance. Energy consumption is estimated at approximately 1 kWh/m³ of treated water, providing a clear and measurable cost linked directly to production.

Maintenance costs are estimated at 1,600 – 2,000 € per year, calculated as an average annual value. This figure includes both regular consumables (such as prefilters, ozone sensors, and chiller filtration elements) and the prorated cost of higher-value components with longer replacement intervals, such as carulite and catalysts.

It is important to note that this cost corresponds to a preventive maintenance strategy, ensuring that the system operates in optimal condition, maximizing performance, reliability, and equipment lifetime.

With this approach, the system offers a fully predictable running cost, with no significant additional expenses beyond energy consumption and the defined maintenance plan.

EXAMPLE OF THE CONNECTIONS

H₂O₃ Connect Clear



! This is an example of the connections
Pumps and level sensors are included.
Deposits are not included.

