

HYDROZON® oxidator unit POX Plasma L compact

The HYDROZON® oxidator units of the new POX Plasma L series have been specially designed for ozoning water during water treatment and for industrial use with ozone oxidation. The oxidator units combine modern and efficient ozone generation, mixing and plant control in one compact unit.

These units are distinguished by:

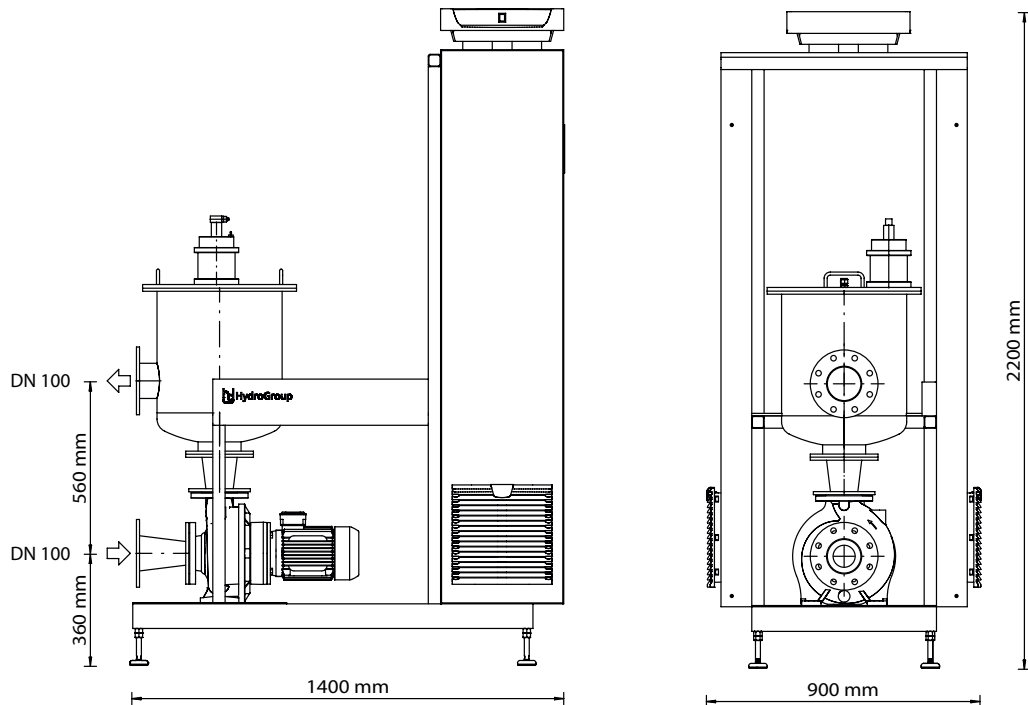
- Compact construction of all the necessary operational components in one unit
- Operational reliability, high-quality materials and proven control technology
- High level of plant safety provided by patented ozone generation by means of plasma technology and air-cooled generators
- Optimised venturi/injector system for efficient ozone supply
- Easy to use thanks to the touch panel

Areas of use Water treatment with ozone, drinking water treatment, swimming and bathing pool water treatment, recycling water treatment in industry, ozoning of water in cooling circuits, treatment of cooling water in ventilation and air conditioning systems, retrofitting of existing systems, aquaculture systems, etc.



The units contain all of the components required for operation and are inspected and ready to be connected up upon delivery. For operation, the systems require industrial oxygen (LOX) or atmospheric oxygen concentrated by PSA systems and with a minimum O₂ concentration of 95%.

**Principle design
POX Plasma L**



Conditions of use

Max. input pressure: 1.5 bar Max. temperature 40 °C Connection voltage: 400 V / 50 Hz

Connection conditions

The POX compact is wired with an integral plug and is approved for connection to a ground contact socket outlet protected by a residual current circuit breaker (400 V).

It is essential to observe the VDE conditions.

Versions for higher pressures are possible on request.

Dimensions

Reaction tank (øD x H): 400 mm x 600 mm
Control unit (H x W x D): 1800 x 800 x 400 mm
Connections: DN 100 - PN 10/16

Materials

Reaction tank: 1.4571 / 316 Ti
Pump: Cast Iron
Frame: 1.4301 / aluminium
Control cabinet: 1.4301 / 304 (ground)
Other materials are possible on request

Data

Type	Rated throughput [m ³ /h]*	Ozone quantity [g/h]	Power consumption [W]
POX Plasma 30/30 L compact**	30	up to 30	1700
POX Plasma 50/50 L compact**	50	up to 50	4800
POX Plasma 70/70 L compact	70	up to 70	2100

* ±20 %

** Oxygen generator integrated