

HYDROZON® oxidiser unit POX Plasma S

The HYDROZON® oxidiser units of the new POX Plasma S series have been specially designed for ozoning swimming pool water or for industrial use with ozone oxidation. The oxidisers combine modern and efficient ozone generation, mixing and plant control in one compact unit. These units are distinguished by:

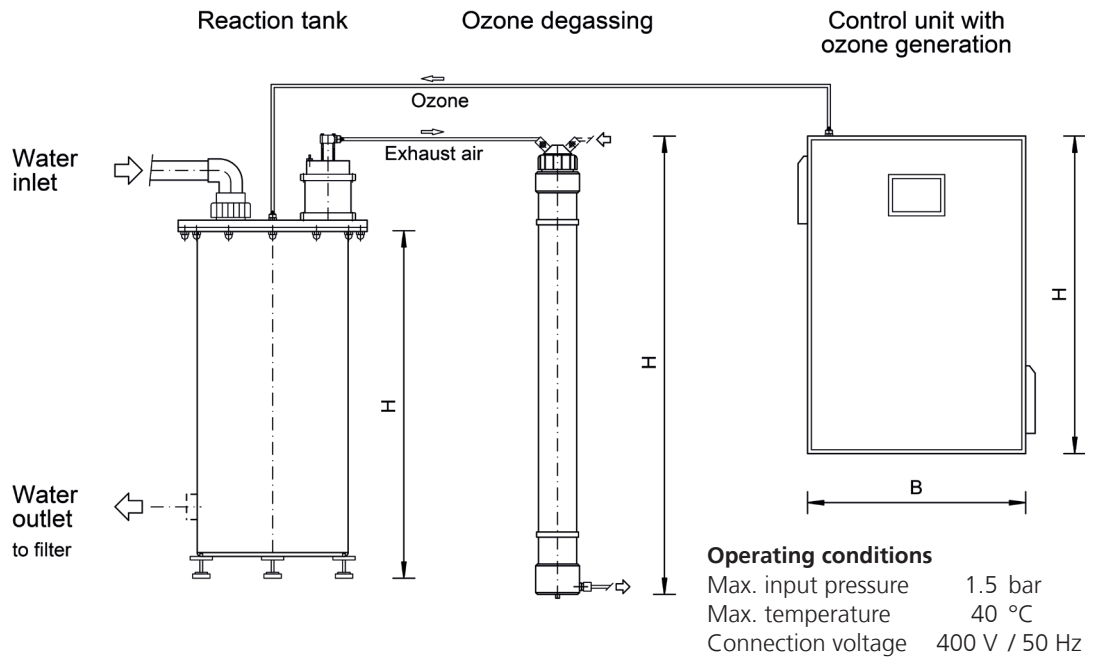
- Modular design of all the necessary operating components
- Operational reliability provided by sophisticated process technology, high-quality materials and proven control technology
- High level of plant safety provided by patented ozone generation using plasma technology
- Optimised venturi/injector 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. In the standard model, the control unit with ozone generation can be mounted up to 5 m away from the reaction tank (wall mounting). The circulation pump is not included in the scope of delivery.

Principle design
POX Plasma S



Connection conditions

The control unit is wired with an integral plug and is approved for connection to a ground contact socket-outlet protected by a residual current-operated circuit breaker (400 V). It is essential to observe the VDE conditions.

An output pressure of 0.5 bar is required for proper functioning. The pressure must not drop below this value. If in doubt, connect a pressure retention valve (available as an accessory) downstream. In case of low throughputs, we recommend using the oxidiser as a loop-type reactor (closed circuit with circulation pump).

Dimensions

| | | |
|------------------------|---------------------|------------------------|
| Reaction tanks | (øD x H): | 440 mm x 700 mm |
| Control unit | (H x W x D): | 400 x 500 x 200 mm |
| Ozone degassing | (øD x H): | 110 mm x 1200 mm |
| Connections: | | Rp 2 ½" collar / DN 65 |

Materials

| | |
|---|-------------------------|
| Reaction tank: | 1.4571 / 316 Ti |
| Exhaust air dezoning: | PVC |
| Control cabinet: | 1.4301 / 304 (polished) |
| Other materials on request possible. | |

Data

| Type | Rated throughput [m³/h]* | Ozone quantity [g/h] | Power consumption [W] |
|--------------------|--------------------------|----------------------|-----------------------|
| POX Plasma 10/10 S | 10 | to 10 | 730 |
| POX Plasma 20/20 S | 20 | to 20 | 870 |
| POX Plasma 30/20 S | 20 | to 30 | 920 |

* ± 20 %