



# GAIA OZONE GENERATOR

## Reliable and effective technology

- Low energy consumption
- Integrated flow regulator
- Liquid cell cooling
- Made from aluminum
- Ozone-resistant fittings and check valves

## Connection points

1. Power / communication socket
2. Oxygen inlet (4-6 mm PFA tube)
3. Ozon outlet (4-6 mm PFA tube)
4. Cooling inlet/outlet connections

|   | WGS (Single cell)                                       | WGD (Double cell)  |
|---|---|--------------------|
| <b>Ozone output</b>                                     |   |                    |
| Ozone production (g/hour)                               | 62.5  | 125                |
| Ozone concentration (% wt/wt)                           | 10  | 10                 |
| Ozone concentration (g/Nm <sup>3</sup> )                | 150   | 150                |
| Oxygen inlet 7 NL/min (LOX)*                            | 7   | 14                 |
| <b>Operational area of Gaia</b>                         |   |                    |
| Operating pressure of the ozone generator (Recommended) | 2-4 BAR<br>(3 BAR)                                      | 2-4 BAR<br>(3 BAR) |
| Oxygen inlet (%)  | 92-98 *   | 92-98 *            |
| Oxygen dew point (°C)                                   | -60   | -60                |
| Oxygen inlet flow rate (NL/min)                         | 2-10  | 4-20               |
| Cooling fluid inlet temperature (°C) (Recommended)      | <20<br>(15)   | <20<br>(15)        |
| Cooling fluid flow (L/min, per generator)               | 7   | 7                  |
| Maximum allowable pressure of the cooling agent (BAR)   | 7   | 7                  |
| Electricity requirement (V/Hz)                          | 230 V(AC) ±3%, 50/60 Hz, Single Phase                   |                    |
| Current requirement (A)                                 | 3.5   | 7                  |
| Maximum power consumption (W) (Recommended)             | 600<br>(500)  | 600*2<br>(500*2)   |
| Ambient temperature range (°C)                          | 5-40  |                    |
| Maximum relative humidity (% rH)                        | 98, non-condensing                                      |                    |
| <b>Operational conditions</b>                           |   |                    |
| Height (mm)   | 330   | 330                |
| Width (mm)  | 300   | 300                |
| Depth (mm)  | 120   | 216                |
| Oxygen inlet (mm)                                       | 4/6   | 4/6                |
| Ozone outlet (mm)                                       | 4/6   | 4/6                |
| Materials   | Stainless Steel / Anodized Aluminum / PTFE / PFA / PEEK |                    |
| Weight (kg)   | 12  | 20                 |
| IP class  | IP21  | IP21               |

\*If 100% oxygen (LOX) is used, you must add 2-5% nitrogen for the cell to work optimally.

**Gaia Cabinet** is available as a complete, ready-to-install system including ozone sensors, control unit, and all necessary components for safe and efficient operation. The Gaia Cabinet is available in capacities ranging from 62.5 g/h to 500 g/h.

**Gaia Modular** is a compact and cost-efficient ozone solution designed for flexible integration. It is easy to install and operate, and can be scaled by combining multiple units to match the required ozone capacity.

