

Gaiazone – Specifications

Modular Ozone Generator

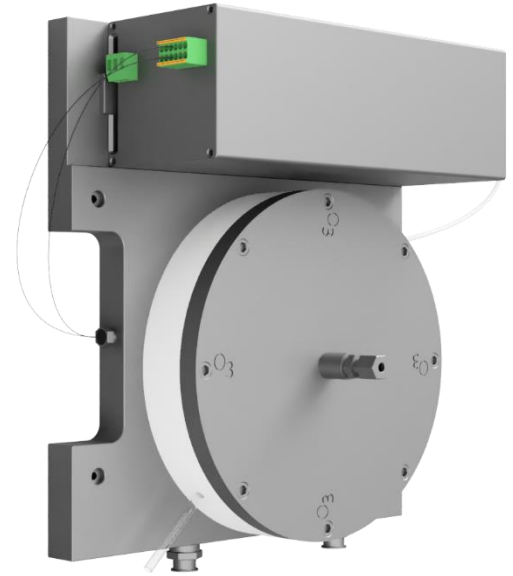


Gaia ozone generator

Water ApS offers a standard size Gaia ozone generator, which is based on a patented ozone technology by Water ApS .

Facts about Gaia generator series:

- High performance ozone generators based on a unique and patented technology by Water ApS.
- Ozone production up to 60 g O₃/h per cell.
- Steadily high ozone concentrations ranging from 8-15% wt/wt.
- Low energy consumption: our cell, when using purified oxygen feed gas, produces 1.0 g of ozone consuming 10-12 W of electricity.
- Gas pressure at 2.5 bars; the cell withstands pressure up to 10 bar.
- Gaia ozone generator is very compact and easy to install and operate.
- Low operational cost.
- Integrated flow regulator.
- Gaia ozone generator is made from aluminium.
- Ozone resistant fittings and check valves.
- Compact design saves space and can be easily placed.
- The cooling of the cell is achieved by liquid cooling.
- Light weight: suitable for mobile systems while lowering shipping costs.
- Feed gas flowmeter and needle valves are optional.
- Control unit is supplied by OxyGuard International A/S.
- Dissolved ozone sensors are supplied by OxyGuard International A/S.



	WG60	WG120	WG240
Ozone output			
Gram per hour (g/h)	60	120	240
Concentration (% wt/wt)	10-18	10-18	10-18
Ozone concentraion (g/Nm ³)	150	150	150
Operational conditions			
Oxygen inlet (%)	90-98*	90-98*	90-98*
Oxygen inlet pressure (bar)	2.5	2.5	2.5
Oxygen inlet flow rate (L/min)	6	12	24
Oxygen Nm ³ /hour	0.360	0.720	1.440
Oxygen Kg/hour	0.5	1	2
Temperature range of outlet cooling (°C)	<10**	<10**	<10**
Electricity requirement (V/Hz)	230 V ±3%, 50/60 Hz, Single Phase		
Current requirement (A)	3.5	7.0	14.0
Maximum power consumption (W)	650	1300	2600
Dimensions (cell)			
Height (mm)	330	330	330
Width (mm)	300	300	300
Depth (mm)	120	216	450
Cooling liquid inlet/outlet (mm)	10/12	10/12	10/12
Oxygen inlet (mm)	4/6	4/6	4/6
Ozone outlet (mm)	4/6	4/6	4/6
Materials			
Stainless Steel / Anodized Aluminum / PTFE			
Weight (kg)			
	12	20	40

*If 100 % oxygen is used, please add 2-5 % nitrogen for the cell to work optimally.

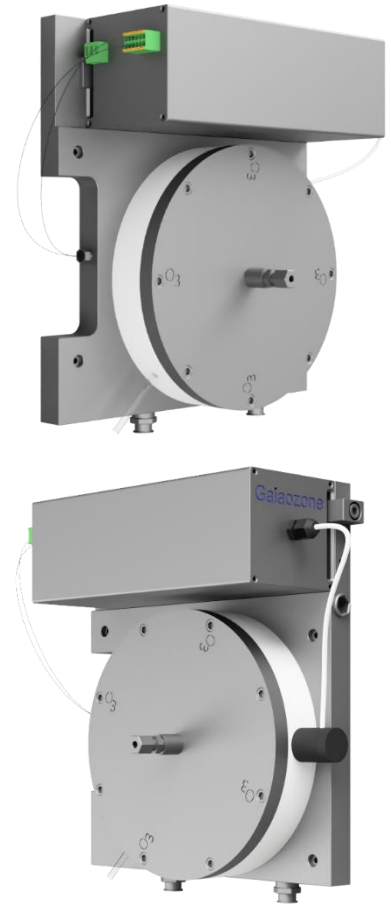
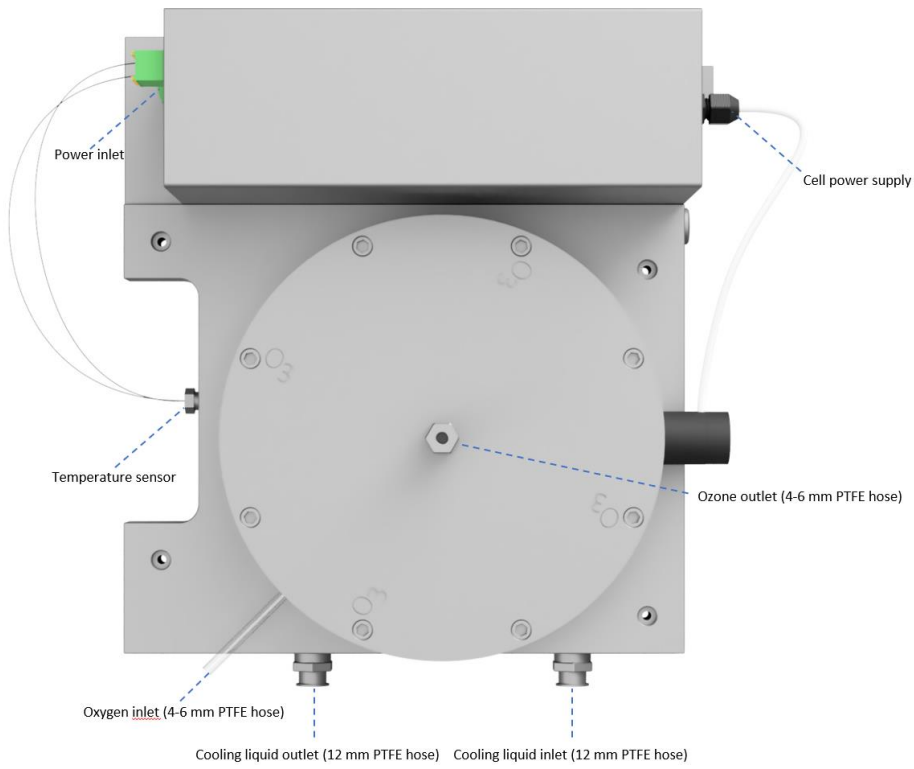
****! It is very important that the temperature of the Gaiaozone generator is less than 10 °C.**

Adequate cooling is required.

The Modular Gaiaozone generators is available stand-alone or as part of a complete system including ozone sensors, ozone control unit etc.

Additionally, we can provide oxygen generators and cooling systems.

WG60



WG120



WG240



Contact information

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Visit us on the web at <http://www.water.dk>