

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)	10-20	10-20	10-20
Ozone concentraion (g/Nm ³)	150-300	150-300	150-300
Operational conditions			
Oxygen inlet (%)	90-98*	90-98*	90-98*
Oxygen dew point (°C)		-60	
Oxygen inlet pressure (bar)	2-3	2-3	2-3
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
Cooling fluid inlet temperature (°C)	<15	<15	<15
Cooling fluid flow (l/m, per generator)		7	
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)	<600	<1200	<2400
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 / PFA			
Weight (kg)			
	12	20	40

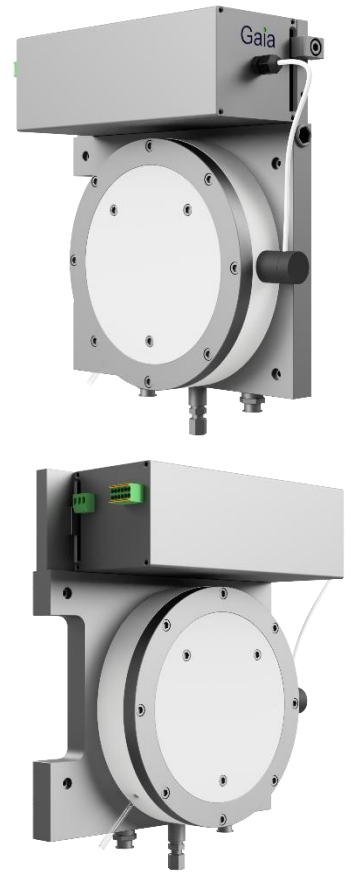
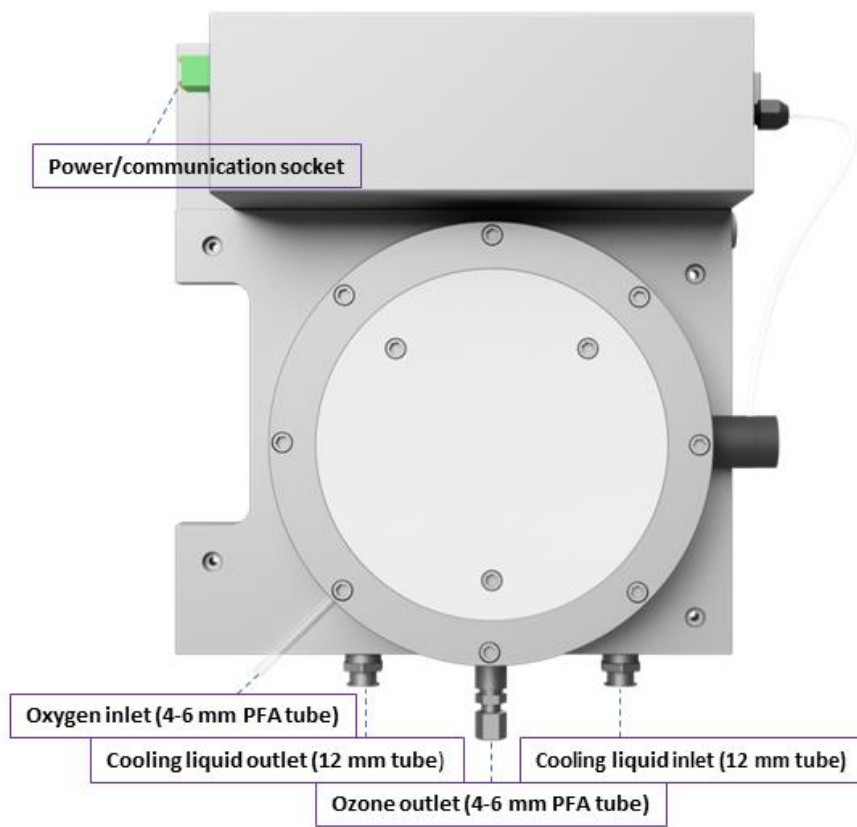
*If 100 % oxygen is used, please add 2-5 % nitrogen for the cell to work optimally.

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



Modular system

