Fact Sheet

GE Infrastructure
Water & Process Technologies

** Blue display skid not included with purchase*

E-Series Ozone

Generator System
(10 - 57 g/hr / 6 - 10% wt concentration)

The GE E-Series Ozone Generator is setting the industry standard for efficient ozone generation and dissolved ozone control capacity. Customers benefit from stable ozone ouput and advanced control capabilities while producing high concentrations of ozone, at 6% - 10% (by weight).

The Ozone generation system uses GE E-Series flat plate ozone generator and an oxygen generation system. The standard system design is dual rated for 50/60 Hz operation and requires one single point power connection.

Applications

- Bottled Water
- Aquatic Life Support Systems
- Food Processing
- Industrial Processes
- Pharmaceutical

Pre-Engineered Accessories

- Ozone Injection Skids
- Ozone Destruct Modules
- Dissolved Ozone Monitors
- 316LSS Contact Towers
- Ambient Ozone Monitors

Features and Benefits

- Compact – wall mountable design. Allows easy installation
- Stainless steel frame for wall mounting
- Pressure regulators for air into and oxygen out of the oxygen concentrator
- Pressure regulator for cooling water
- Cooling water low flow switch and automatic inlet on/off valve
- Supply air filtration (particle filter – 1 micron, oil coalescing filter, and hydrocarbon adsorption filter)
- High concentration ozone (6 – 10% by weight). Low parent gas usage equals low operating cost
- Extremely flexible control system that includes interfaces for front panel operation, from an easy-to-use local mode to a remote mode controlled by an industry standard 4 – 20 mA current loop
- Durable ceramic flat plate cell construction
- Worldwide input power compatibility; will work anywhere in the world with single-phase power
- Environmentally protected in a 304 stainless steel enclosure

ISO 9001 registered

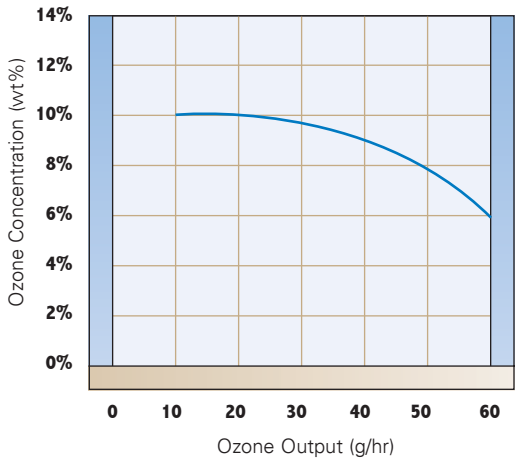
Product Specifications

Performance Characteristics [1]	
Oxygen Concentrator:	Gas Output — 25 scfh at 90% oxygen weight conc. Parent Gas — Compressed Air Drying Capability — -100°F dew point
Ozone Generator:	Ozone Output — 0.5 – 3 lbs/day Ozone Concentration — 10 – 6% Gas Outlet Pressure — 4 – 15 psig
Materials of Construction	Frame — 304 Stainless Steel Enclosure — Brushed Stainless Steel O2/O3 Gas Tubing — PTFE/304 Stainless Steel Air Tubing — Polypropylene Water Tubing — Polypropylene
Installation and Utility Requirements	Cooling Water Flow[2] — 0.5 gpm (at 20 – 40 psig) at 50 – 85°F (at or above ambient dew point) Cooling Water Inlet/Outlet — 0.25-inch FNPT Compressed Air Flow — 5.5 cfm at 45 psig (11 scfm) Compressed Air Inlet — 0.5-inch FNPT Ozone Gas Piping Outlet — 0.25-inch MNPT Electrical Power — 208 – 240 VAC, 1-Phase,50/60 Hz, 3.5 Amps Full Load Frame Dimensions — 71-inch height x 18-inch width x 17-inch depth Approximate Shipping Weight — 200 lbs
Control Input/Output	
Inputs	Room Ozone Alarm — Dry Contact Close to run Remote Enable — Dry Contact Close to run Remote Control — 4 – 20 mA (0 – 100% Output)
Outputs	Remote Ready — Dry Contact Alarm — Dry Contact Close Fault
Local	Display — Backlit Graphic LCD Display Keyboard — Sealed 16 Key Membrane

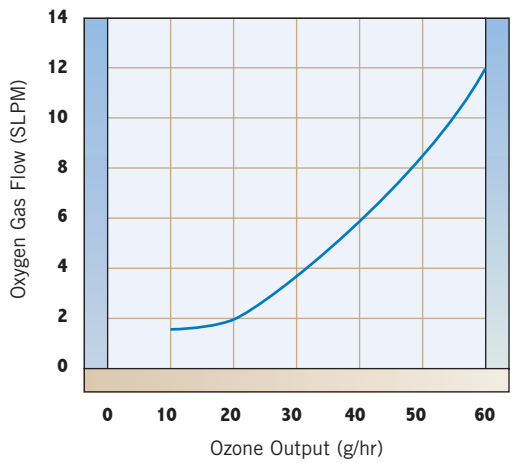
[1] Performance Characteristics based on a parent gas inlet pressure of 15 psi (consisting of >90% oxygen at a maximum dew point of -80°F) and 70°F (21°C) cooling water flowing at 0.5 gpm (1.9 l/m) for Model EO3-1.

[2] Cooling Water shall be potable quality or better. Minimum Temperature to be greater than ambient dew point.

Ozone Concentration vs. Output



Oxygen Gas Flow vs. Output



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