



M-Series Air-Cooled Ozone Generators

(5 - 30 g/hr, 5 - 14% wt conc., 20 - 80 PSIG)

Ozmotics Ozone Generators

Our M-Series Ozone Generators truly are a quantum leap in Ozone Generation. Due to their specific elegant design and durability, all of our ozone generators reliably provide ultra pure, highly concentrated ozone for a wide variety of special applications.

The Ozmotics M-Series ozone system exceeds the industry standard for customers demanding stable ozone output and reliability. The performance is unequalled in the industry, with the capability of reliably producing high concentration ozone 5 to 14% by weight, while efficiently producing up to 1.5 ppd (30 g/hr) of ozone.

The Ozmotics M-Series flat plate ozone generator proprietary micro gap technology. The standard system design is dual rated for 50/60 Hz operation and requires one single point power connection.

Typical Applications

- Aquaculture
- Bottled Water Facilities
- Cooling Towers
- Food Processing
- Fire Restoration
- Industrial Processes
- Pharmaceutical
- Potable Water Disinfection
- Soil Remediation
- Swimming Pools
- Waste Water Treatment
- Winery Sanitation

Features & Benefits

High concentration: 5 – 14% w-w; ideal for water systems, easy to dissolve, high ozone transfer efficiency, saves money on recirculation pumps, virtually no off gas.

Low Oxygen Requirement: 1 – 7 slpm; saves on the size of the oxygen concentrator.

High Pressure: 20 PSIG working pressure, save on ozone booster & its maintenance (also 50 & 80 PSIG models).

PCOP System: Pressure Compensated Ozone Production System*.

Air Cooled: Works well at -50 C, saves on water and air conditioning.

Compact Size: 14" x 14" x 5.75" only! Saves on valuable space.

Light Weight: 27lbs ideal for mobile systems, carts and saves on shipping costs.

No Maintenance Required: No serviceable parts, 150 PSIG leak tested Ozone cell, reliable, less operating costs.

High Efficiency: Low power consumption, 400 – 500W.

3 Years Warranty: Includes "Right on Spec" Warranty: If a product we send you does not meet or exceed our published specifications, call us. We will send you one that does.

* **PCOP System:** Pressure Compensated Ozone Production System, when under normal operating conditions pressure changes occur within specified range, typically 5-20 psig or 40-60 psig, the power to a ozone cell will be automatically adjusted to maintain uninterrupted ozone production. Provides additional flexibility and reliability in various applications where steady laboratory quality oxygen supply cannot be reasonably achieved.

Technical Specifications

Performance Specifications:

- Ozone Output: 3 - 30 g/hr
- Gas Flow Rate: 0.1 - 10 SLPM
- Concentration (%wt): 5 - 14%
- Working Pressure: 20 PSIG

Power Requirements:

- Domestic: 115 VAC, 60 Hz, 5.0 A (15 Amp Service)
- Int'l: 230 VAC, 50 Hz, 2.5 A (10 Amp Service)

Material & Construction:

- Enclosure: Brushed Stainless Steel
- High Precision Machined Ozone Generator Cell tested at 150 PSIG for leaks
- O₂ / O₃ Gas Tubing: PTFE/304 Stainless Steel

Installation & Feed Connection:

- Oxygen Inlet: 0.25" Swagelok
- Ozone Gas Piping Outlet: 0.25" Swagelok
- Electrical Power: 110 - 120 VAC, 1-Phase, 50/60 Hz, 4 Amps Full Load
- Enclosure Dimensions:
 - Height: 14"
 - Width: 14"
 - Depth: 5.75"
- Approximate Weight: 30 lbs

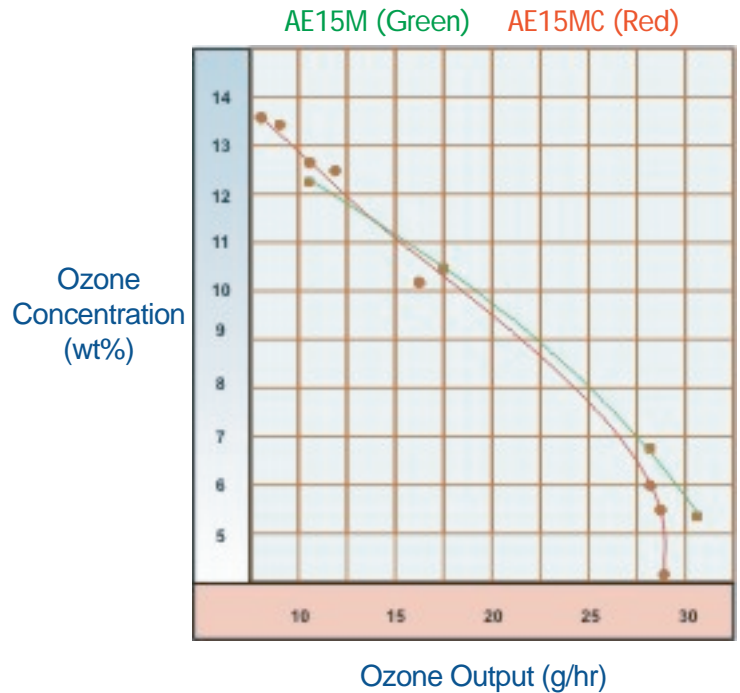
Control Input / Output:

- Inputs:
 - Remote Enable: Dry Contact Close to run
 - Remote Control: 4 - 20 mA or 0-10 V (0 - 100% Output) optional
- Outputs:
 - Local Display: Red LED Ozone Output Level
 - 2 Colored LEDs to display the following:

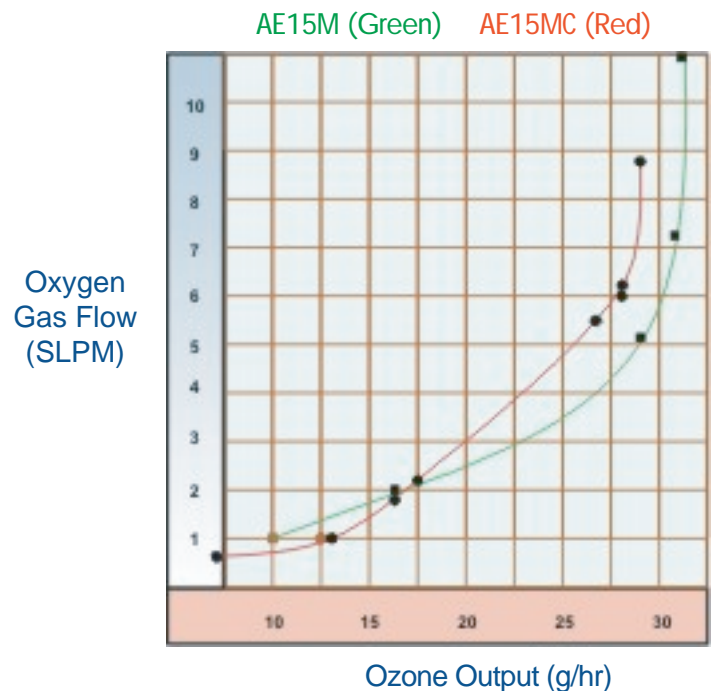
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Normal Operation	Alarm: Not Normal	Alarm: Not In Operation

For the most current information, visit our website:
www.Ozmotics.com

Ozone Concentration vs. Output



Oxygen Gas Flow vs. Output



For More Information



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