PACIFIC OZONE™ MG SERIES OZONE GENERATORS

POWERFUL, SCALABLE, AND AIR-COOLED

The advanced air-cooled, Multi-chassis design of MG Series ozone generators delivers powerful, and precision-controllable Ozone production in large industrial ozone systems. The MG Series offers product from 140g/h (5lbs/day) to 1.1kg/hr (75lbs/day). The MG Ozone Generators package the Pacific Ozone™ Air-Cooled Floating Plate Technology ozone reactor cells with advanced Powertron electronics in rugged industrial enclosures.

EASY TO INSTALL AND OPERATE

The MG series ozone generator is designed for seamless and easy installations in industrial applications. Factory tested and ready to use, the MG Series requires only a single point power connection and feed gas to produce high concentration ozone from the air-cooled enclosure. Power is supplied by standard 240V 50/60Hz line voltage. Standard MG Series control features offer everything a process scheme requires for automatic operation and integration with ozone ambient detectors and other process system protection and safety configurations. The seamless operation and integration will provide you assurance in your process, even in demanding environments.

MODULAR DESIGN

Modular redundancy is the key to the MG Series revolutionary chassis-based design, providing unsurpassed reliability. The innovative design produces a solid foundation for a flexible and robust air-cooled ozone production system. The MG Series is engineered to meet the most demanding industrial ozone process requirements with an easy-to-use system control interface. The automated start, stop and purge sequencing joined with the Pacific Ozone™ system's precision ozone turn-down control provide the ultimate simple and safe operation for seamless integration in virtually all industrial applications.

UNIVERSAL CONTROL

The MG Ozone Generator's HMI touch screen, backed by the pre-programmed PLC, gives the user control over power, flow, and output of the self-contained Floating Plate Technology ozone reactor cells powered by the advanced Powertron power supplies. All of this is fully integrated and housed in a stainless-steel enclosure, which provides critical ozone production security. MG Series Ozone Generators deliver production rates to 1.1kg/hr with programmable operating modes in 70g/h increments while maintaining full resolution control and automatically adjusting feed gas flow rates for full efficiency and ozone production optimization. This is done by the unique operational features of being able to bring on each chassis, based on demand, automatically adjusting the chassis at full flow.

FEATURES

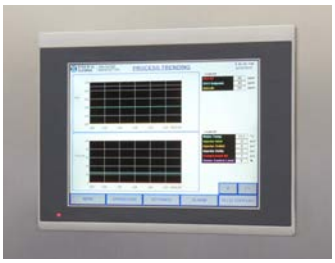
- Corrosion Resistant Stainless Steel Enclosures
- Air-Cooled FPT Titanium Reactor Cells
- No Cooling Water is Required
- Precision Linear Ozone Control by Powertron
- Remote Production Control
- Full Safety Features, Over-temp, Flow Loss, Fault Protection
- Set and Forget Back Pressure Control
- Redundant Chassis Design
- 10" HMI Touch Screen
- Ambient Ozone Detector with Electrical Safety Interlock
- Ethernet/IP Network Capable

BENEFITS

- Energy Efficient – Low Operating Costs
- Industrial Design with Simplified and Robust User Interface
- Simple Installation and Integration
- Ability to Save on Duty-Stand-By Costs
- Reduce Risk of Shutdown Periods

MARKETS

- Aquaculture
- Food & Beverage
- Pharmaceuticals



The robust multi-chassis design is seamlessly integrated into a clean engineered design and controlled by an innovative and fully integrated HMI/PLC.

The advanced HMI design provides fully integrated safety features that give peace of mind while providing optimal performance. The MG series generators will provide optimal disinfection with minimal effort, providing a solution for today and tomorrow.

THE POWERTRON DIFFERENCE

Powertron is our latest innovative technology aimed at helping you maximize your operational efficiency. Now integrated into our complete product lineup, this novel power supply design provides a new method to control power for precision O_3 output that uses less energy. With 100% linear turndown capability, this advanced technology provides a stabler and quieter performance with its enhanced, robust design. The design offers revolutionary and precise control of the power in the cell to produce the corona, so energy does not become wasted heat. The design allows for unique monitoring of electrical parameters to deliver the most efficient energy usage with unsurpassed reliability, improving performance and reducing maintenance needs.

SIMPLE. PROVEN. OZONE TECHNOLOGY.

TECHNICAL SPECIFICATIONS*

Ozone Production (g/h)	Chassis	Normal Flow (SCFH)	Reactor Cell Operating Pressure (psi)	Power Requirements	Power Consumption** (kW)	Dimensions (WxDxH)
140	2X	80	6-9	1Ø, 240V, 50/60Hz	2.5	36 x 35 x 81
280	4X	160	6-9	1Ø, 240V, 50/60Hz	3.75	36 x 35 x 81
560	8X	320	6-9	1Ø, 240V, 50/60Hz	7.5	36 x 35 x 81
1120	16X	600	6-9	1Ø, 240V, 50/60Hz	7.5 x 2	(36 x 35 x 81) x 2

*Nominal, under standard conditions.
**Power consumption includes air-cooling.