

3M24 OZONE / OXYGEN SYSTEM

The advanced chassis based design of the 3M24 Ozone Generator is the foundation for a powerful ozone production system. It combines the power of patented Floating Plate Technology™ with high concentration ozone reactor cells and high output, amplitude modulated, high frequency power supplies. The fully redundant and self-contained configuration is housed in a stainless steel enclosure. The M Series are the most powerful high output air-cooled ozone generators in the world, with standard designs from 7 lbs./day to more than 50 lbs./day ozone.

Modular redundancy is the key to the M Series revolutionary chassis based design, providing operators with unsurpassed reliability. The 3M24 is engineered to meet the most demanding ozone process requirements with a standard manual and 0-10VDC or 4-20mA proportional ozone control interface. The external control signal interface control, or panel-mounted manual control, provides smooth variable ozone concentration control from 0-100. The intuitive control panel design includes feed gas control, reactor backpressure gauges, power supply feed back reference meter and LED ozone production indicator as well as analog and fault indicator output signals.

Inside the 3M24, the highly efficient and reliable ceramic and titanium reactor cells are powered by an advanced, high frequency, pulse modulated variable control power supply. Responsive and accurate ozone output control is assured by instantaneous amplitude modulation and the proven stability of patented Floating Plate Technology™ reactor cell design—exclusive to Pacific Ozone Technology.

The M Series Ozone Generators from Pacific Ozone Technology are easy to install and easy to operate, making ozone generation and control simple and efficient, to provide years of trouble free operation.



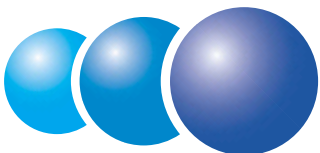
THE 3M24

FEATURES

- Stainless Steel Floor Mount Enclosure
- Air-Cooled Ceramic and Titanium Reactor Cell
- Feed Gas Regulator
- Over Temperature Control
- Stainless Steel Gas Control Manifold
- Redundant modular ozone chassis design

CONTROLS

- Variable Output Control 0-100%
- Power Feed Back Reference Meter 0-10VDC
- Reactor Pressure Gauge 0-15 psi
- Feed Gas Flow Control 0-200scfh
- LED Visual Ozone and Fault Indicators
- On/Off Lighted Circuit Breaker
- Analog Power Supply Output
- 0-10VDC or 4-20mA external control



**PACIFIC
OZONE**
TECHNOLOGY

3M24 OZONE / OXYGEN SYSTEM

Product Description Ozone Generation System

Part Number R-MSG0342 230V model

Specifications:

Ozone Production
120scfh Oxygen 181g/hr - 9.6 lbs./day

Ozone Production
120scfh Dry Air 80 g/hr - 4.2 lbs/day

Ozone Concentration 3% - 9% %/wt

Ozone Concentration
Dry Air 1% - 2% %/wt

Maximum
Reactor Pressure 15 psi

Feed Gas Flow Range 0-150 scfh

Variable Control 0-100%

External Control 0-10VDC or 4-20mA

External Output Signal 0-10VDC

Power Consumption 1590 watts

Power Supply Fuse 8 ampere

On/Off Breaker 40 ampere

Air Cooling 720 scfm

Compressed Air
Inlet Fitting 1/2 " fnpt

Ozone Outlet Fitting 1/2 " tube

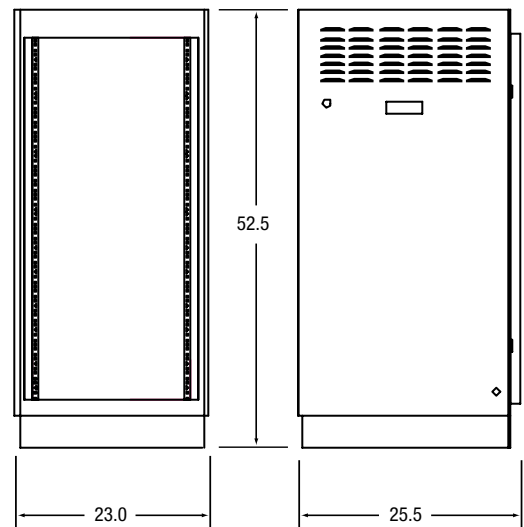
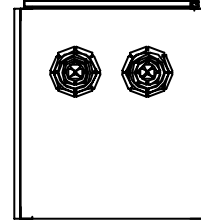
Power Requirement 230V 50/60Hz 1 phase

Height 52.5 inches

Width 23.0 inches

Depth 25.5 inches

Weight 355 lbs.



THE 3M24

OPTIONS
Oxygen Concentrator
Air Dryer
PID Controller
Dissolved Ozone Monitor
Ozone Gas Detector

Optional oxygen concentrator packages and air dryer systems are available to meet the feed gas requirements of the M Series Ozone Generators. See important M Series dry air and oxygen quality requirements.

