

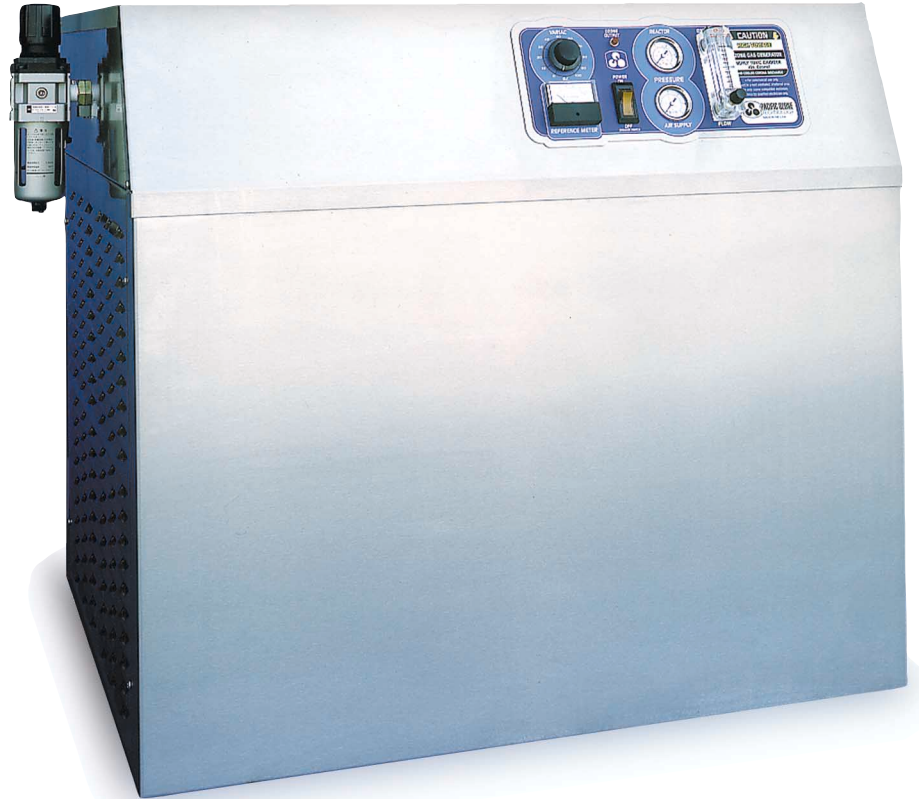
# SGA44 OZONE / OXYGEN SYSTEM

The Large SGA Series Ozone Generators are the most powerful air-cooled ozone/oxygen systems available, producing from 4.3 to 15.8 lbs./day of high concentration ozone. The SGA44 incorporates modular ozone system redundancy, high concentration ozone reactor cells, and an onboard oxygen concentrator system. The unit is housed in an attractive, compact floor-mount stainless steel enclosure.

The intuitive control panel design includes 0-100% variable output control, feed gas control, inlet air pressure and reactor back-pressure gauges, power supply feed back reference meter, and LED ozone production indicator. The control interface includes 0-10VDC or 4-20mA input signal for 0-100% variable ozone concentration control, as well as analog and fault indicator outputs.

A highly efficient, reliable ceramic/titanium reactor cell uses our exclusive Floating Plate Technology™ and is powered by an advanced, high-frequency, pulse modulated variable control power supply. Responsive, accurate ozone output control is assured by instantaneous amplitude modulation and the proven stability of our Floating Plate Technology™ reactor cell design.

The SGA44 Ozone Generator is engineered to meet the most demanding ozone application process requirements; yet it is easy to install, simple to operate, and will provide years of trouble-free operation.



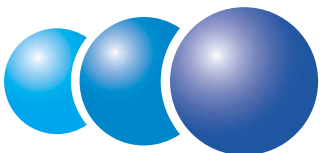
## THE SGA44

### FEATURES

- Stainless Steel Floor Mount Enclosure
- Air-Cooled Ceramic and Titanium Reactor Cell
- Onboard Oxygen Concentrator
- 5-Micron Filter/Regulator with Auto Drain
- Over Temperature Control
- Feed Gas Flow Control
- Redundant Ozone Chassis Design

### CONTROLS

- Variable Output Control 0-100%
- Power Feed Back Reference Meter 0-10VDC
- Reactor Pressure Gauge 0-15 psi
- Air Input Pressure Gauge 0-60 psi
- Feed Gas Flow Control 0-100scfh
- LED Visual Ozone and Fault Indicators
- On/Off Lighted Circuit Breaker
- Analog Power Supply Output
- 0-10 VDC or 4-20mA External Control



**PACIFIC  
OZONE**  
TECHNOLOGY

# SGA44 OZONE / OXYGEN SYSTEM

Product Description Integrated Ozone/Oxygen Generation System

Part Number R-SGA442 230V model

## SPECIFICATIONS

Ozone Production 120 g/hr - 6.4 lbs./day

Oxygen Feed Gas Flow 80 scfh

Ozone Concentration 3% - 8% %/wt

Maximum Reactor Pressure 15 psi

Compressed Air Requirement 24 scfm

Compressed Air Pressure 40 psi

Feed Gas Flow Range 0-80 scfh

Variable Control 0-100%

External Control 0-10VDC or 4-20mA

Power Consumption 1080 watts

Power Supply Fuse 8 ampere

On/Off Breaker 40 ampere

Air Cooling 480 scfm

Compressed Air Inlet Fitting 1/2" fnpt

Ozone Outlet Fitting 1/2" tube

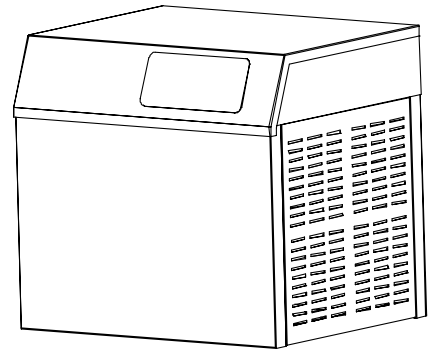
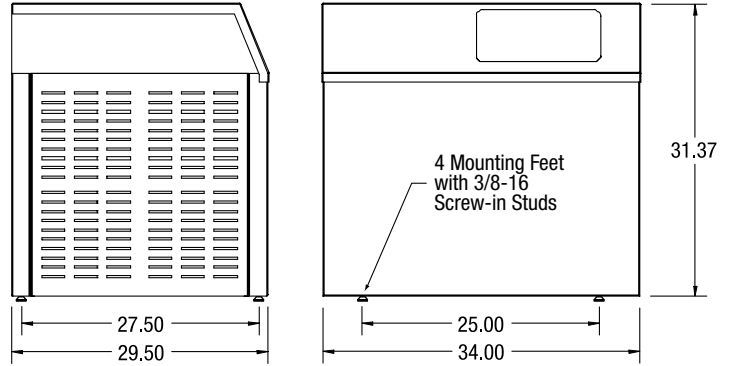
Power Requirement 230V 50/60Hz 1 phase

Height 31 inches

Width 34 inches

Depth 29 inches

Weight 230 lbs.



THE SGA44

### OPTIONS

Rotary Screw Compressor Kit 24 scfm @ 40 psi

Coalescing Filter

Replacement Filter Elements

An optional rotary screw compressor kit, with refrigerated air dryer and coalescing filters, is available to provide for the compressed air requirement. If plant or other air source is used, the optional coalescing filter is required. See SGA air requirements for important compressed air quality requirements.

