

# **SGA SERIES** OZONE/OXYGEN SYSTEMS

## **Features**

- Stainless Steel Wall Mountable Enclosure
- Air-Cooled Ceramic and Titanium Reactor Cell
- Onboard Oxygen Concentrator
- 0.01 Micron Filter/Regulator with Auto Drain
- Over-Temperature Protection
- Feed Gas Flow Switch

## **Controls**

- 4-20mA or 0-10VDC Input
- Variable Output Control
- Feed Gas Flow Control
- Remote On/Off Control
- Power Feedback Reference Meter
- Reactor Pressure Control
- Reactor Pressure Gauge
- Air Input Pressure Gauge

## **Compact and Powerful**

The SGA Series of integrated ozone/oxygen systems combines air-cooled ozone generation with onboard oxygen concentration in a compact, wall-mountable stainless

steel housing. Powerful and user-friendly, the SGA Series can produce up to 3.2 pounds of ozone/day and is ideal for a broad range of commercial and industrial applications.

## **User Friendly**

The SGA Series is easy to operate with a convenient, intuitive control panel,

including 0-100% variable power control, feed gas control, inlet air pressure and reactor back-pressure gauges; power supply feedback reference meter; and LED ozone production indicator. The control interface includes 4-20mA or 0-10VDC input signal for 0-100% variable ozone concentration control.



**Model: SGA 11/21/22**

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## **Robust and Reliable**

The heart of Pacific Ozone systems is our patented Floating Plate Technology™ in the ozone reaction cells. The exclusive FPT design produces highly reliable and efficient ozone generation in affordable, air-cooled systems. Floating Plate Technology allows challenging ozone applications and products to be approached with confidence and ease.

The SGA Series is designed to operate with high-quality plant air provided from the facility. The SGC Series, with onboard oil-less air compressor, provides compressed air, if plant air is unavailable or insufficient. Stand-alone air compressor packages are also available from Pacific Ozone.

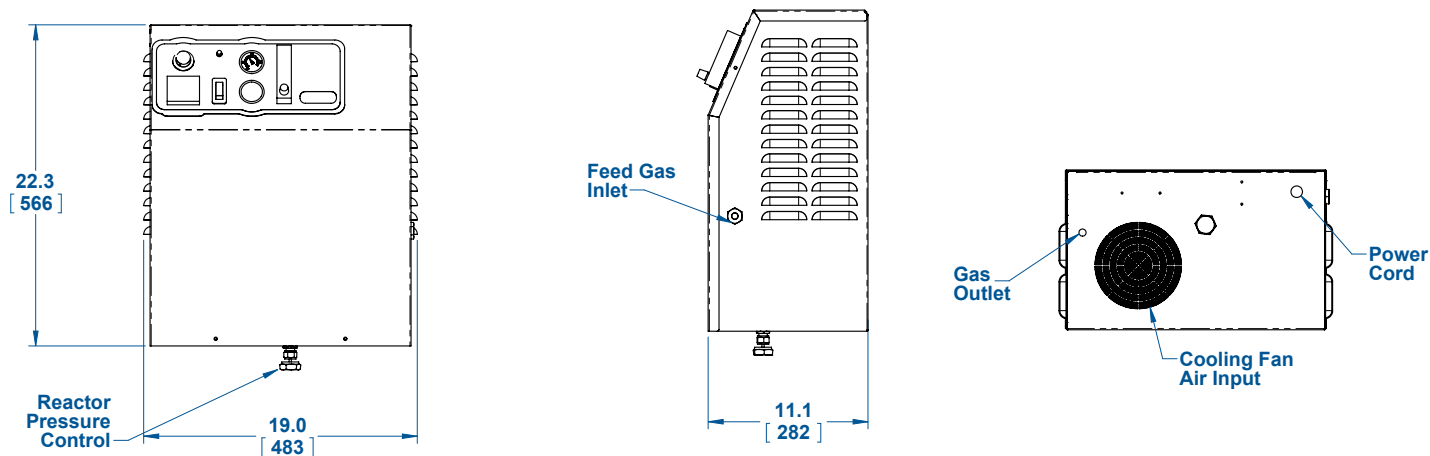


## **SGA Series Family**

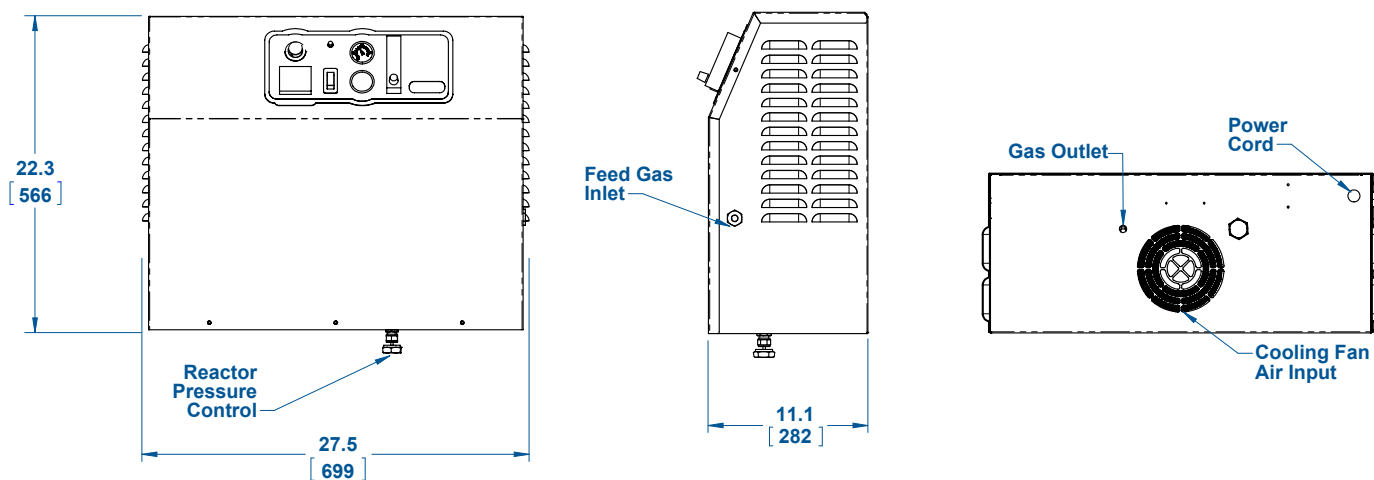
The SGA Series is part of a family of integrated ozone oxygen systems that include the Large SGA Series with ozone production capability to 12.7 lbs./day. All SGA Series systems are engineered to meet all of the ozone process requirements found in the most demanding applications; yet, they are easy to install, simple to operate, and will provide years of trouble-free operation.

# SGA SERIES OZONE/OXYGEN SYSTEMS

Model: SGA 11/21/22



Model: SGA 23/24



## Technical Specifications

Model/ Part Number	Max. Ozone Production	Max. Ozone Concentration	Max. Reactor Pressure	Feed Gas Flow Range	Power Consumption	Air Cooling	Compressed Air Inlet Fitting	Ozone Outlet Fitting*	Dimensions (HxWxD)	Weight
	lbs./day (grams/hour)	% weight	psig (bar)	scfh (lpm)	watts	scfm (lpm)	inches (mm)	inches (mm)	inches (mm)	lbs (kg)
SGA11/ R-SGA111 (115V) R-SGA112 (230V)	0.6 (12)	5%	12 (0.8)	7-20 (3.3-9.4)	300	240 (6796)	1/4" fnpt (6.35 mm)	1/4" (6.35 mm)	22.3x19.0x11.1 (566x483x282)	70 (32)
SGA21/ R-SGA211 (115V) R-SGA212 (230V)	1.0 (18)	6%	12 (0.8)	7-20 (3.3-9.4)	300	240 (6796)	1/4" fnpt (6.35 mm)	1/4" (6.35 mm)	22.3x19.0x11.1 (566x483x282)	75 (34)
SGA22/ R-SGA221 (115V) R-SGA222 (230V)	1.6 (30)	8%	12 (0.8)	7-20 (3.3-9.4)	450	240 (6796)	1/4" fnpt (6.35 mm)	1/4" (6.35 mm)	22.3x19.0x11.1 (566x483x282)	85 (39)
SGA23/ R-SGA231 (115V) R-SGA232 (230V)	2.4 (45)	8%	12 (0.8)	10-40 (4.7-18.9)	525	240 (6796)	1/4" fnpt (6.35 mm)	1/4" (6.35 mm)	22.3x27.5x11.1 (566x699x282)	110 (50)
SGA24/ R-SGA242 (230V)	3.2 (60)	8%	12 (0.8)	10-40 (4.7-18.9)	580	240 (6796)	1/4" fnpt (6.35 mm)	1/4" (6.35 mm)	22.3x27.5x11.1 (566x699x282)	115 (52)

\* Compression fitting.

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## Operational Requirements

Model/ Part Number	Compressed Air Flow	Compressed Air Pressure	Electrical Requirement
	scfm (lpm)	psig (bar)	volts, Hz
SGA11/ R-SGA111 (115V) R-SGA112 (230V)	6 (170)	30 (2.07)	115V 60Hz or 230V 50/60Hz, 1 phase 15A Circuit
SGA21/ R-SGA211 (115 V) R-SGA212 (230 V)	6 (170)	30 (2.07)	115V 60Hz or 230V 50/60Hz 1 phase 15A Circuit
SGA22/ R-SGA221 (115V) R-SGA222 (230V)	6 (170)	30 (2.07)	115V 60Hz or 230V 50/60Hz 1 phase 15A Circuit
SGA23/ R-SGA231 (115V) R-SGA232 (230V)	12 (340)	30 (2.07)	115V 60Hz or 230V 50/60Hz 1 phase 15A Circuit
SGA24/ R-SGA242 (230V)	12 (340)	30 (2.07)	230V 50/60Hz 1 phase 15A Circuit



6160 Egret Court  
Benicia, California 94510  
p: (707) 747.9600  
f: (707) 747.9209  
[www.pacificozone.com](http://www.pacificozone.com)