



OXG-100

SPEC SHEET

OXG TECHNOLOGY

The OXG Series are built with an Ozone Generation Cell and Oxygen Concentrator in one system. The OXG-100 can produce ozone at 100 g/hr from 20 LPM. These Ozone Generators are compact, efficient, and easy to use with a wide variety of options and features. Simply plug into electrical power and produce both oxygen and ozone from one unit.

Main Features

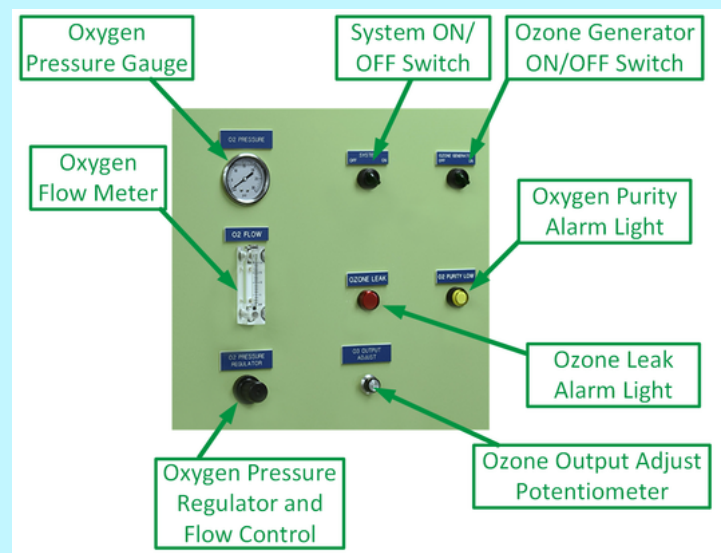
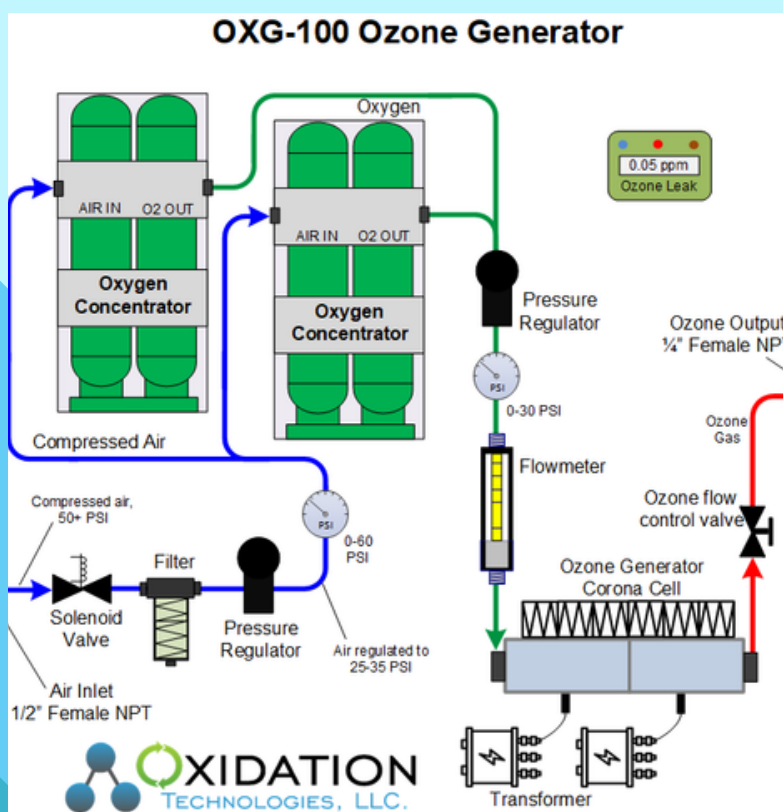
- Turnkey system, requires only electrical power and compressed air for operation
- Integrated air compressors optional
- Integrated Ozone Leak sensor for safety
- Integrated Oxygen purity meter
- 3-stage air filtration prior to O₂ concentrator
- Automated control and operation
- Can integrate directly with a Dissolved ozone meter or other controller

Controls

- Adjustable ozone output via manual dial, 4-20 mA input, or 0-10 VDC input
- Dry contacts to start system
- Dry contacts to start O₃ Gen separately
- O₃ leak alarm feedback – dry contacts open
- System ON feedback – dry contacts close
- O₃ Gen ON feedback – dry contacts close

SYSTEM DIAGRAM

Standard OXG-100 Diagram



CONTACT INFORMATION

If you need help with your ozone oxidation application, or have questions, please contact our team today.

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OXG-100 PERFORMANCE

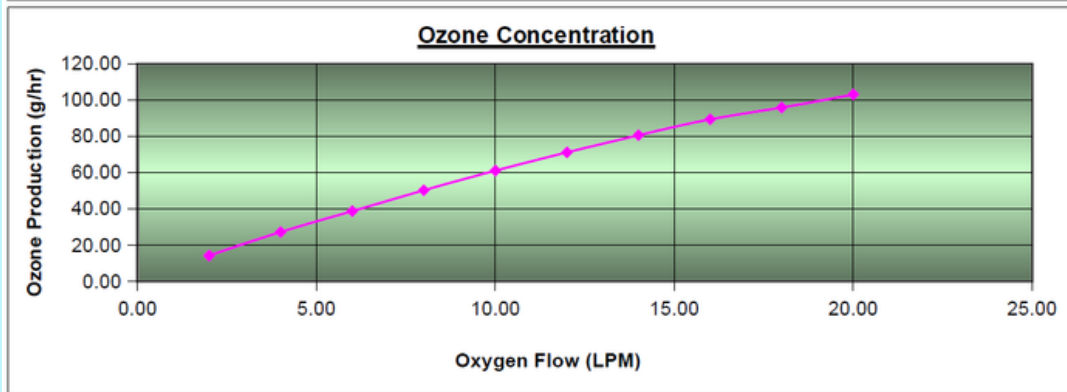
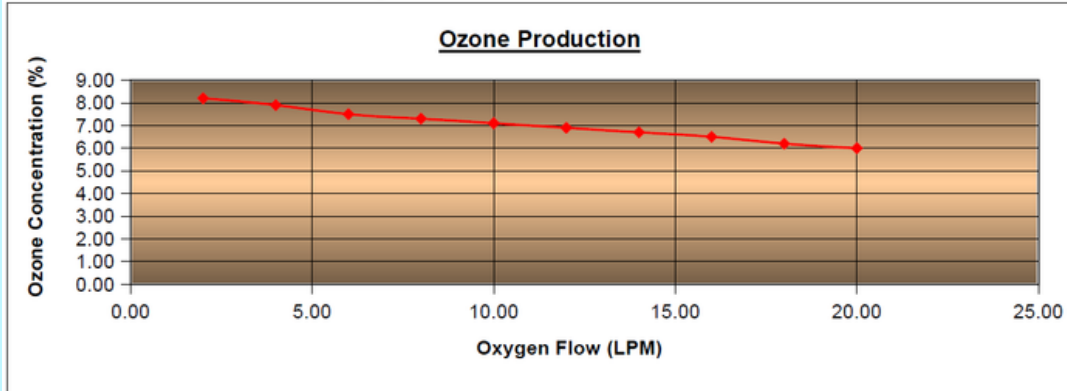
OZONE GENERATOR PERFORMANCE TEST

Model: OXG-100

Feed Gas : Oxygen

Rated Ozone Production = 100 g/hr from 20 LPM @ 6% by weight

Max Ozone Concentration = 8.2% @ 1.0 LPM



Air FLOW (SLPM) 90-92% O2	Oxygen Pressure (PSIG)	OZONE CONC. (g/Nm³)	OZONE CONC. (%W-W)	OZONE PRODUCTION (g/h)	COMMENT
2.00	20.00	117.26	8.20	14.07	
4.00	20.00	112.97	7.90	27.11	
6.00	20.00	107.25	7.50	38.61	
8.00	20.00	104.39	7.30	50.11	
10.00	20.00	101.53	7.10	60.92	
12.00	20.00	98.67	6.90	71.04	
14.00	20.00	95.81	6.70	80.48	
16.00	20.00	92.95	6.50	89.23	
18.00	20.00	88.66	6.20	95.75	
20.00	20.00	85.80	6.00	102.96	

Ozone Analyzer BMT 963 O2 Flow Meter Aalborg 171, Accuracy +/-5%

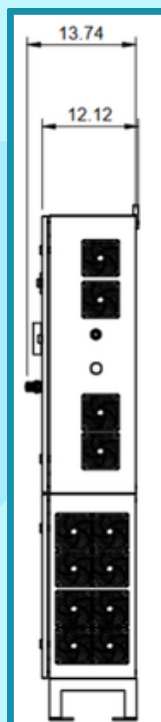
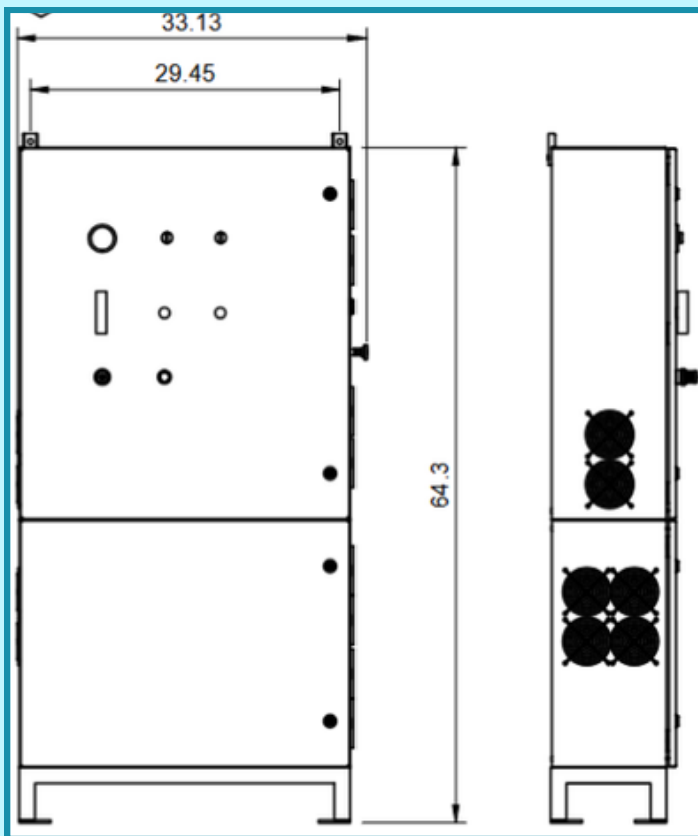


CUSTOMIZABLE OPTIONS

Internal Compressed Air - the standard OXG-60 to OXG-100 require plant compressed air for operation. An optional internal air compressor is available.

Stainless Steel Enclosure - Upgrade the enclosure to be stainless steel

CAD DRAWINGS



PRODUCT SPECIFICATIONS

Feed Gas	Built-in O2 Concentrator
Nominal Gas Flow Rate	20 LPM O2
Operating Pressure	5 - 20 PSI
Max Pressure	20 PSI
Cooling Method	Air Cooled
Corona Cell	Quartz, Stainless Steel
Gas Connections	3/8" NPT Fitting
Dimensions	12" x 35" x 35" Standard 12" x 35" x 42" Optional built-in compressor
Temperature Range	35-95 deg F
Max O3 %	5% - 7.5%
Power	220 VAC, 60 Hz, 1-phase, 10amp
Ozone Output	100 g/hr

