

OXW-Series Ozone Generator



The OXW Ozone Generator will produce ozone efficiently from either Dry-Air or Oxygen feed-gas from a water-cooled ozone generation cell. These units are compact, efficient, and easy to use with a wide variety of options and features.

OXW TECHNOLOGY

The OXW Ozone Generator series uses a Stainless Steel, water-cooled cell powered by solid state electronics and an oil filled transformer. Reliability of the ozone generator is excellent with a wide variety of operating parameters allowable. A robust control and automation system is incorporated to maintain a safe operating environment for both personnel and equipment allowing for further reliability of the ozone generator. In addition, the corona cell is completely rebuildable and field serviceable.

SYSTEM FEATURES

- Water Cooled Ozone Generator for reliable ozone production
- Built-in ozone leak sensor for human safety
- Visual feed-gas flowmeter with flow adjust knob
- Visual feed-gas pressure gauge with pressure regulator
- Adjustable O₃ output, 0-100% via 4-20 mA or 0-10 VDC input
- Completely automated operation
- Touchscreen interface and display

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Model	O3 Production from Oxygen @ 6% by weight	O3 Production from Oxygen @ 8% by weight	O3 Production from Oxygen @ 10% by weight	O3 Production from Air @ 3% by weight	Cooling Water Required, 70-deg F or cooler
OXW-100	129 g/hr from 25 LPM O2	112 g/hr from 17 LPM O2	87 g/hr from 10 LPM O2	40 g/hr from 20 LPM	0.5 GPM
OXW-200	258 g/hr from 50 LPM O2	225 g/hr from 37 LPM O2	172 g/hr from 20 LPM O2	80 g/hr from 37 LPM	0.5 GPM
OXW-300	387 g/hr from 75 LPM O2	340 g/hr from 51 LPM O2	285 g/hr from 33 LPM O2	120 g/hr from 54 LPM	1 GPM
OXW-400	516 g/hr from 100 LPM O2	448 g/hr from 65 LPM O2	343 g/hr from 40 LPM O2	160 g/hr from 70 LPM	1.5 GPM
OXW-500	638 g/hr from 124 LPM O2	515 g/hr from 75 LPM O2	416 g/hr from 48 LPM O2	200 g/hr from 87 LPM	2 GPM

TECHNICAL FEATURES

- Ozone produced from Corona Discharge in Stainless Steel Corona cell
- Solid state electronics increase frequency to above 1.5 khz
- Oil filled transformer increases voltage for corona discharge
- Isolation electric ball valve at O2 inlet and O3 outlet
- Harmonically balanced electronics automatically compensate for pressure
- Operates from Dry-Air or Oxygen feed-gas
 - Oxygen must be 90% purity or better
 - Dry-Air must be dried to -100 deg F or better
- Built in Alarms
 - High/low feed-gas pressure
 - High ambient temperatures
 - High cooling water temperature
 - Ambient ozone leak sensor
- Water cooled ozone generator requires 70-deg F cooling water or cooler
- System must operate in non-condensing environment
- Ambient temperature must be below 105-deg F

OPTIONS

- Built-in mass flow-meter to indicate feed-gas flow
- Built-in ozone analyzer to indicate ozone concentration real-time
- Stainless Steel Enclosure

Model	Dimensions (WxDxH)	Power Draw	Electrical Power
OXW-100	42" x 16" x 36"	800 watts	230 VAC, 1-Phase
OXW-200	48" x 20" x 36"	1.6 kW	230 VAC, 3-Phase 460 VAC, 3-Phase (Optional)
OXW-300	48" x 20" x 36"	2.4 kW	460 VAC, 3-Phase 230 VAC, 3-Phase (Optional)
OXW-400	60" x 20" x 42"	3.2 kW	460 VAC, 3-Phase 230 VAC, 3-Phase (Optional)
OXW-500	48" x 16" x 72"	4 kW	460 VAC, 3-Phase 230 VAC, 3-Phase (Optional)

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