

## OXWk-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 O<sub>3</sub> 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-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 O2	2 GPM
OXW-1k	1,276 g/hr from 248 LPM O2	1,026 g/hr from 150 LPM O2	832 g/hr from 96 LPM O2	400 g/hr from 174 LPM O2	3 GPM
OXW-1.5k	1,914 g/hr from 372 LPM O2	1,541 g/hr from 225 LPM O2	1,248 g/hr from 144 LPM O2	600 g/hr from 261 LPM O2	5 GPM
OXW-2k	2,552 g/hr from 496 LPM O2	2,052 g/hr from 300 LPM O2	1,664 g/hr from 192 LPM O2	800 g/hr from 348 LPM O2	6 GPM
OXW-2.5k	3,190 g/hr from 620 LPM O2	2,575 g/hr from 375 LPM O2	2,080 g/hr from 240 LPM O2	1,000 g/hr from 435 LPM O2	9 GPM
OXW-3k	3,828 g/hr from 744 LPM O2	3,090 g/hr from 450 LPM O2	2,496 g/hr from 288 LPM O2	1,200 g/hr from 522 LPM O2	12 GPM
OXW-4k	5,205 g/hr from 1,012 LPM O2	4,377 g/hr from 640 LPM O2	3,490 g/hr from 400 LPM O2	1,600 g/hr from 696 LPM O2	15 GPM
OXW-5k	6,460 g/hr from 1,012 LPM O2	5,000 g/hr from 730 LPM O2	4,100 g/hr from 480 LPM O2	2,000 g/hr from 870 LPM	18 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

## MODULAR DESIGN

- The OXW Ozone Generator is a modular design and can be scaled to any size required. Contact us with your specific needs.

Model	Dimensions (WxDxH)	Power Draw	Electrical Power
OXW-500	48" x 16" x 72"	4 kW	230 VAC, 3-Phase 460 VAC, 3-Phase (Optional)
OXW-1k	60" x 20" x 72"	8 kW	230 VAC, 3-Phase 460 VAC, 3-Phase (Optional)
OXW-1.5k	72" x 20" x 72"	12 kW	460 VAC, 3-Phase 230 VAC, 3-Phase (Optional)
OXW-2k	90" x 20" x 72"	16 kW	460 VAC, 3-Phase 230 VAC, 3-Phase (Optional)
OXW-2.5k	90" x 36" x 72"	20 kW	460 VAC, 3-Phase 230 VAC, 3-Phase (Optional)
OXW-3k	90" x 36" x 72"	24 kW	460 VAC, 3-Phase 230 VAC, 3-Phase (Optional)
OXW-4k	108" x 36" x 72"	32 kW	460 VAC, 3-Phase 230 VAC, 3-Phase (Optional)
OXW-5k	108" x 36" x 72"	40 kW	460 VAC, 3-Phase 230 VAC, 3-Phase (Optional)

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