

DEL OZONE® - LG-7/LG-14

Laboratory Ozone Generator



Description

The DEL OZONE® LG-7 and LG-14 Corona Discharge (CD) ozone generators are designed for use in rackmount or table top configurations. The LG-7 unit produces 7 g/hr of ozone while the LG-14 doubles output to 14 g/hr of ozone. The units are air-cooled and reliably produce ozone concentrations up to 5% by weight when utilizing user-supplied oxygen. The LG-7 and LG-14 ozone generating components are housed in an all aluminum enclosure and the controls are easy to use and view. The units feature 20kHz power supplies with ceramic tube dielectric ozone generating cells for reliable ozone operation and production.

Features of DEL OZONE® LG-7 & LG-14

- Variable ozone output control (0-100%)
- 0-10 VDC panel meter
- Adjustable flowmeter
- Air-cooled
- Built-in pressure relief
- 4" pressure gauge, grade 1A (+/-1% FS accuracy)
- Lighted power switch/breaker
- Aluminum enclosure (IP30), benchtop/19" EIA Rackmount
- Brass/Teflon® plumbing for oxygen in port and stainless steel/Teflon® plumbing for ozone out port (standard configuration)
- Stainless steel and Teflon® plumbing (optional configuration)
- External 4-20mA ozone control (optional)
- Sample port (optional)

Benefits of Ozone Sanitation

- Ozone is the most powerful oxidizer and disinfectant that can safely be used in multiple industrial and commercial applications
- Reduces harsh chemical/chlorine use
- Dissolved ozone is not harmful to the environment
- Dissolved ozone is safer than chlorine
- Ozone kills all known bacteria, viruses, mold, spores, yeast, mildew, and fungus faster than hot water or chlorine
- Microorganisms cannot build up a tolerance to ozone as they can (and do) to chlorine
- FDA, USDA, and NSF approved anti-microbial agent



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Specifications - LG-7 LG-14

Ozone Output	7 g/hr (max)	14 g/hr (max)
Ozone Concentration	4.5%wt (max)	4.5%wt (max)
Voltage Requirements	120 V, 60 Hz	120 V, 60 Hz
Amperage	2A	4A
Ambient Operating Temperature	50 - 100° F	50 - 100° F
Oxygen Feed Flow	8.5 SCFH / 4lpm	17 SCFH / 8lpm
Maximum Pressure	15 PSI	15 PSI
Enclosure Material	Aluminum	Aluminum

Standard Configuration

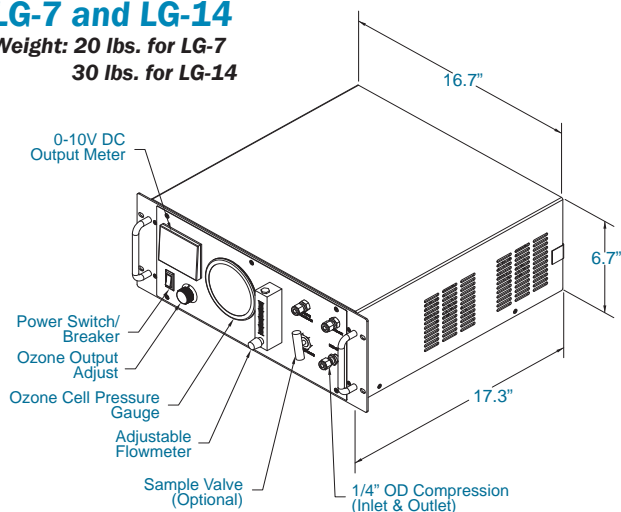
LG-7 / LG-14 Laboratory Ozone Generator

- Power on/off switch
- Variable Ozone Output
- Pressure Gauge
- Adjustable Flowmeter
- 0-10 V DC Output Meter
- 1/4" OD Compression (inlet/outlet)

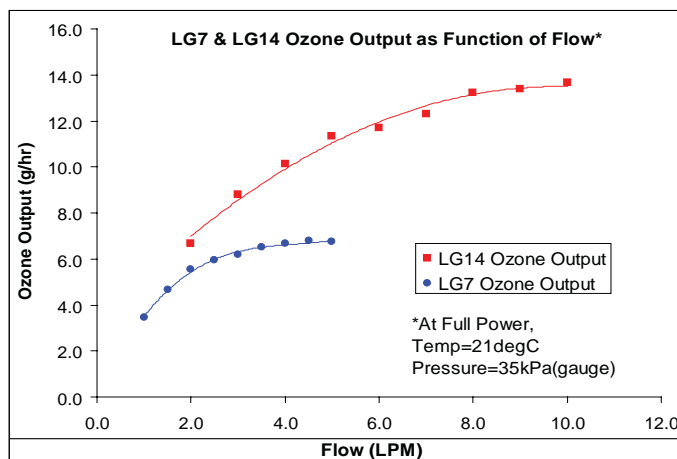
Dimensions & Ozone Output Specifications

LG-7 and LG-14

Weight: 20 lbs. for LG-7
30 lbs. for LG-14



LG-7 & LG-14 Ozone Output vs. Flow



Options

- External 4-20mA ozone output control
- All stainless and Teflon® wetted components
- Stainless steel sample valve and connection