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 antimicrobial agent

For additional information on DEL's complete Platform of Ozone Products, please contact DEL Ozone directly or visit our corporate website.

**Address:**
3580 Sueldo Street • San Luis Obispo, California 93401

**Phone:**
800.676.1335 • International 805.541.1601 • Fax: 805.541.8459

**Website:**
www.delozone.com • E-mail: o3info@delozone.com
**Specifications - LG-7**

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

**Standard Configuration**

**LG-7 / LG-14**

- 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

**Options**

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

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