The LAB2B is a corona discharge type ozone generator with variable ozone output. Producing up to 4g O₃/h using air and 10g O₃/h using oxygen. The LAB2B is designed specifically for laboratory research.

APPLICATIONS
- Research and Development
- Education

MAIN CHARACTERISTICS
- Ozone generator especially designed for laboratory use
- Up to 10g O₃/h
- Compact dimensions
- Feed Gas: Air or Oxygen

OZONE TECHNOLOGY: LAB2B OZONE SYSTEMS
The LAB2B ozone generator is a small air-cooled unit specifically designed for bench use incorporating function indicators, feed gas flowmeter and variable output control.

Output variation is manually adjustable using a control knob mounted on the front panel.

Operating on various feed gases such as dried air or oxygen the LAB2B is capable of producing concentrations up to 10% volume.

HOW IT WORKS
Ozone is produced when dry air or oxygen gas is passed over the ceramic dielectric of an ozone generating module. The module is powered by a high voltage/high frequency power board.

The electronic power board is designed for either intermittent or continuous operation.

The ceramic dielectric is housed within a finned heat sink block which is air cooled by fan assisted atmospheric air.

PRODUCT HIGHLIGHTS
- Variable ozone output up to 10g O₃/h
- Operate under vacuum or at maximum pressure of 10psig
- Illuminating switches indicating ozone production and faults
- Air cooled
- O&M manual included performance graphs
- Full twelve months warranty
- Technical backup facilities
### TECHNICAL DATA

<table>
<thead>
<tr>
<th></th>
<th>Ozone Output (1)</th>
<th>Ozone Output (2)</th>
<th>Feed Gas Flow Rate</th>
<th>Variable Output Control</th>
<th>Power Supply</th>
<th>Power Consumption</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>g/h</td>
<td>lb/h</td>
<td>g/h</td>
<td>lb/h</td>
<td>1/min air</td>
<td>1/min oxygen</td>
</tr>
<tr>
<td>LAB2B</td>
<td>4.0</td>
<td>0.14</td>
<td>10.0</td>
<td>0.35</td>
<td>4-10</td>
<td>2.5</td>
</tr>
</tbody>
</table>

(1) Feed Gas: Dry Air-60°C Dewpoint
(2) Feed Gas: 100% Oxygen

- Operating method: Vacuum or Pressure (10psi max.)
- Module Cooling Medium: Ambient Air (fan assisted)
- Connections: PVDF compression Fitting to suit 8 mm (0.31 inch) OD PIPE

### MATERIALS

- Enclosure: mild steel, epoxy coated
- Module: 316 stainless steel electrode assembly inside a ceramic dielectric tube supported by P.T.F.E end caps

### OPTIONS

- Additional LAB2B units for larger ozone output

### REMOTE CONTROL AND ALARMS

- Ozone On-Off: green illuminator switch
- Fault Red: illuminator switch
- Flowmeter: 2–10 l/min

### MODEL

<table>
<thead>
<tr>
<th></th>
<th>LxHxW (mm)</th>
<th>Weight (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>LAB2B</td>
<td>350 x 160 x 300</td>
<td>6</td>
</tr>
</tbody>
</table>

### LENGTH

- Width

### FRONT VIEW

- FLOWMETER
- ON-OFF
- FAULT
- VARIABLE

### CONTACTS

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