



**OZONE**    **RESEARCH**    **BENCH-TOP**    **VARIABLE**    < Applications

- Research and Development
- Education

< Main characteristics

- Ozone generator producing up to 10 g/h for laboratory use



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

## MAIN FEATURES

- Variable ozone output up to 10g/h
- Operate under vacuum or at maximum pressure of 10psig
- Illuminating switches indicating ozone production and faults
- Air cooled
- Operating and maintenance manual included performance graphs
- Full twelve month warranty and technical backup facilities

## 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.



## TECHNICAL DATA

Model	Ozone Output <sup>(1)</sup>		Ozone Output <sup>(2)</sup>		Feed Gas Flow Rate		Variable Output Control	Power Supply	Power Consumption
	g/h	lb/h	g/h	lb/h	ltr/min air	ltr/min Oxygen	%	v/ph/Hz	W
LAB2B	4.0	0.14	10.0	0.35	4-10	2-5	15-100	230/1/50 or 115/1/60	105

(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

### ► Standards

- BS EN ISO 9002:94
- CE Approval

### ► 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

### ► Remote controls and alarms

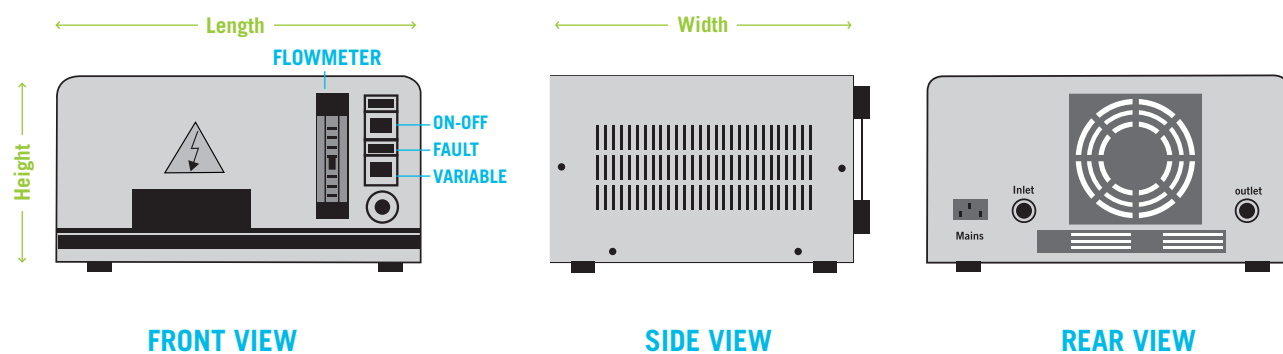
- **Ozone On-Off:** green illuminator switch
- **Fault Red:** illuminator switch
- **Flowmeter:** 2-10 L/min

### ► Options

- **Additional LAB2B units for larger ozone output**

## DIMENSIONS

Model	l x h x w		Weight	
	mm	inch	kg	lb
LAB2B	350 x 160 x 300	13.8 x 6.3 x 11.8	6	13.23



### Contacts

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