

LAB2B

triogen® LAB2B is a corona discharge type ozone generator with variable ozone output. Producing up to 4g O_3 /h using air and 10g O_3 /h using oxygen. It is designed specifically for laboratory research.

APPLICATIONS

- Research and development
- Education
- Laboratories

MAIN FEATURES

- Ozone generator producing up to 10g/hr
- Feed gas: oxygen (PSA) or ambient air

TECHNOLOGY

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.



Ozone is produced when 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 0₃/h
- Operate under vacuum or at maximum pressure of 10psig
- Illuminating switches indicating ozone production and faults
- Air cooled
- 0&M manual including performance graphs
- Feed gas: air or oxygen
- · Compact dimensions









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TECHNICAL DATA MODEL	Ozone output (1)		Ozone output ⁽²⁾		feed gas flow rate		Variable output control	Power supply	Power Consumption
	g/h	lb/h	g/h	lb/h	l/min	l/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

(3) Voltage to be confirmed at time of order

MODEL	Lxi	HxW	Weight		
	mm	inch	lb	kg	
LAB2B	350 x 160 x 300	13.8 x 6.3 x 11.8	13.2	6	

TECHNICAL FEATURES

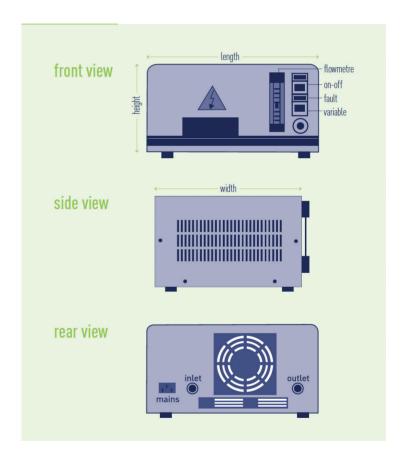
- Operating method: vacuum or pressure (10psi max.)
- Module cooling medium: ambient air (fan assisted)
- **Connections:** PVDF compression fitting to suit 8 mm (0.31 inch) 0D PIPE

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

REMOTE CONTROLS AND SIGNALS

- Ozone ON-OFF: green illuminator switch
- Fault: red illuminator switch
- Flowmeter: 2-10l/min



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