



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 ⁽¹⁾		Ozone Output ⁽²⁾		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

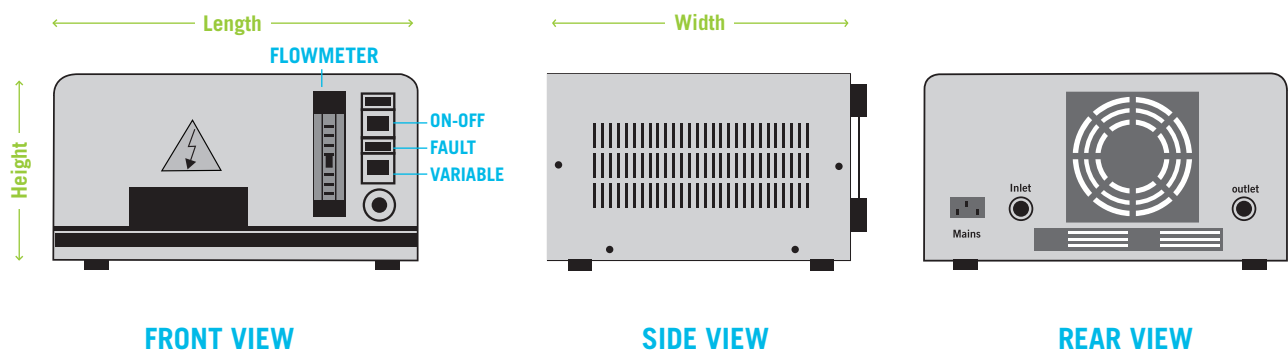
- **Ozone On-Off:** green illuminator switch
- **Fault Red:** illuminator switch
- **Flowmeter:** 2-10 L/min

► 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

WWW.TRIOGEN.COM
WWW.DEGREMONT-TECHNOLOGIES.COM

Ozonía Triogen UK	• info-triogen@degtec.com	• + 44 141 810 4861
Ozonía International UV	• info-ozoniaFR@degtec.com	• + 33 1 46 253 950
Ozonía France	• info-ozoniaFR@degtec.com	• + 33 1 46 253 950
Ozonía Switzerland	• info-ozoniaCH@degtec.com	• + 41 44 801 8511
Ozonía North America	• info-ozonia@degtec.com	• + 1 201 794 3100
Ozonía Russia OOO	• info-ozoniaRU@degtec.com	• + 7 831 220 3256
Ozonía Korea	• info-ozoniaKR@degtec.com	• + 82 31 701 9036
Ozonía China	• info-china@degtec.com	• + 86 10 659 73 860
Ozonía Japan	• info-japan@degtec.com	• + 81 3 544 46 361

Your local distributor: