

**triogen® LAB2B is a corona discharge type ozone generator with variable ozone output. Producing up to 4g O<sub>3</sub>/h using air and 10g O<sub>3</sub>/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.

## HOW IT WORKS

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 O<sub>3</sub>/h
- Operate under vacuum or at maximum pressure of 10psig
- Illuminating switches indicating ozone production and faults
- Air cooled
- O&M manual including performance graphs
- Feed gas: air or oxygen
- Compact dimensions



- (1) feed gas: dry-air-60° C dewpoint
- (2) feed gas: 100% oxygen
- (3) Voltage to be confirmed at time of order

## 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) OD PIPE

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

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



Triogen Limited  
Unit 14 Langlands Place, East Kilbride G75 0YF  
Scotland, United Kingdom  
Tel: + 44 (0) 13 55 220 598  
Fax: + 44 (0) 13 55 570 058  
[www.triogen.com](http://www.triogen.com)  
[info@triogen.com](mailto:info@triogen.com)

