LAB2B
Ozone generator

OZONE

The 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. 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 O_3/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 O_3/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

OZONIA

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OZONE

TECHNICAL DATA	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 air	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

- 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

MODEL	LxHxW (mm)	Weight (kg)
LAB2B	350 x 160 x 300	6

MATERIALS

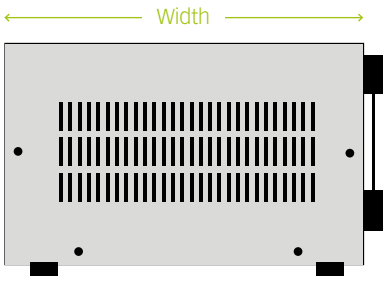
- Enclosure: mild steel, epoxy coated
- Module: 316 stainless steel electrode assembly inside a ceramic dielectric tube supported by P.T.F.E end caps

OPTIONS

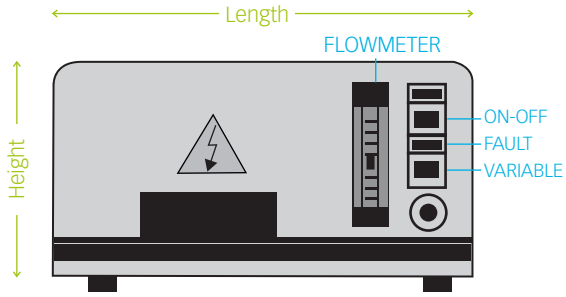
- Additional LAB2B units for larger ozone output

REMOTE CONTROL AND ALARMS

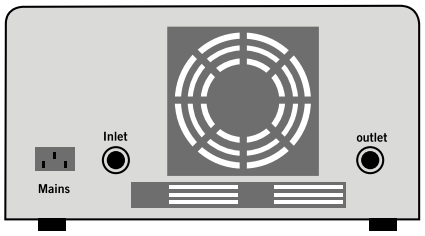
- Ozone On-Off: green illuminator switch
- Fault Red: illuminator switch
- Flowmeter: 2–10 l/min



SIDE VIEW



FRONT VIEW



REAR VIEW

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