

# ozonia<sup>®</sup> lab2b

## laboratory ozone generators



The **ozonia<sup>®</sup> 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

ready for the resource revolution



# ozone technology: ozonia® lab2b



## 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 included
- ▶ performance graphs
- ▶ full twelve months warranty
- ▶ technical backup facilities
- ▶ feed gas: air or oxygen
- ▶ compact dimensions

The **ozonia® 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 **ozonia® 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.

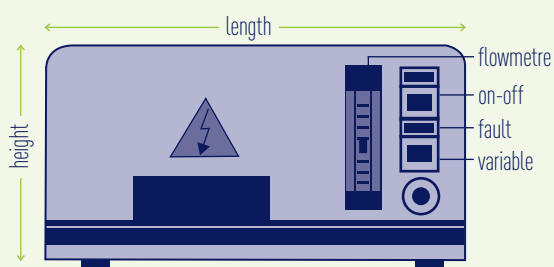
technical data	ozone output <sup>(1)</sup>		ozone output <sup>(2)</sup>		feed gas flow rate		variable output control	power supply	power consumption
	g/h	lb/h	g/h	lb/h	l/min air	l/min oxygen	%	V/ph/Hz	W
ozonia® LAB2B	4.0	0.14	10.0	0.35	4-10	2-5	15-100	230/1/50 or 115/1/60	105

(1) feed gas: dry air -60°C dewpoint

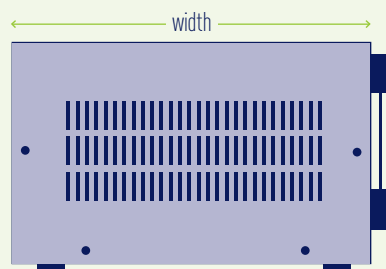
(2) feed gas: 100% oxygen

## ozonia® LAB2B

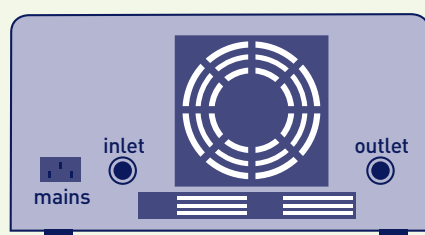
front view



side view



rear view



## 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

## 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
- ▶ **flowmetre:** 2-10 l/min

model	L x H x W		weight	
	inch	mm	lb	kg
ozonia® LAB2B	5.43 x 2.48 x 4.64	138 x 63 x 118	24.3	11

SUEZ's **ozonia**® ozone technology portfolio includes products from the laboratory scale to the largest ozone systems ever built. Suez uses our extensive ozone technology experience to provide the industry's most reliable and robust products.

Our unique ability to deliver the most reliable and robust systems is why thousands of customers around the world have chosen **ozonia**® ozone systems.

We have been the ozone industry pioneer for over 25 years. Trust SUEZ to deliver the highest quality ozone solutions to meet your treatment challenges.

7  
product ranges  
certified to  
international  
standards

over  
10,000  
installations

over  
25  
years of  
experience



Copyright © OZONIA - Graphic design: Charlotte Gibson - 2016-EN-V2- non-contractual document - can be modified without prior notice, please contact us for further information.