

**triogen<sup>®</sup> TOGC2 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 small industrial ozone applications.**

## APPLICATIONS

- Industrial oxidation processes
- Drinking water
- Waste water
- Bottled water

## MAIN FEATURES

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

## TECHNOLOGY

The TOGC2 ozone generator is a small wall-mountable air-cooled unit specifically designed for industrial 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 TOGC2 is capable of producing up to 10 g/hr.

## 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
- Full twelve months warranty
- Technical backup facilities
- Feed gas: air or oxygen
- Compact dimensions



TECHNICAL DATA MODEL	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	l/min oxygen	%	V / ph/Hz	W
TOGC2	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

## 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

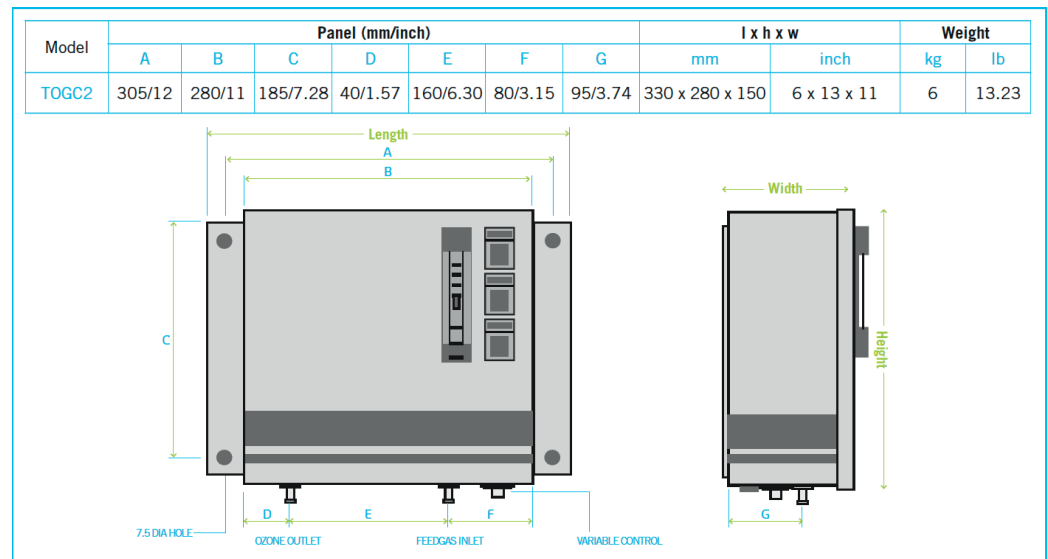
- **Enclosure:** 316 stainless steel, satin finished
- **Module:** 316 stainless steel electrode assembly inside a ceramic dielectric tube supported by P.T.F.E end caps

## REMOTE CONTROLS AND SIGNALS

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

## OPTIONS

- Vent ozone destructor



## CONTACT

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