

triogen[®] TOGC2 is a corona discharge type ozone generator with variable ozone output. Producing up to 4g O₃/h using air and 10g O₃/h using oxygen. It is designed specifically for small industrial ozone applications.

APPLICATIONS

- Industrial oxidation processes
- Drinking water
- Bottled water
- Disinfection

MAIN FEATURES

- Ozone generator producing up to 10g/hr for small industrial ozone applications
- Feed gas: oxygen (PSA) or ambient air
- Variable ozone output up to 10g O₃/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
- Compact dimensions



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 versatile and capable of producing up to 10 g/hr.



HOW IT WORKS

Ozone is produced when oxygen containing 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	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 ^[3]	105

[1] feed gas: dry-air-60° C dewpoint

[2] feed gas: >90% oxygen

[3] Voltages 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
- **Flowmeter:** 2-10l/min

REMOTE CONTROLS AND SIGNALS

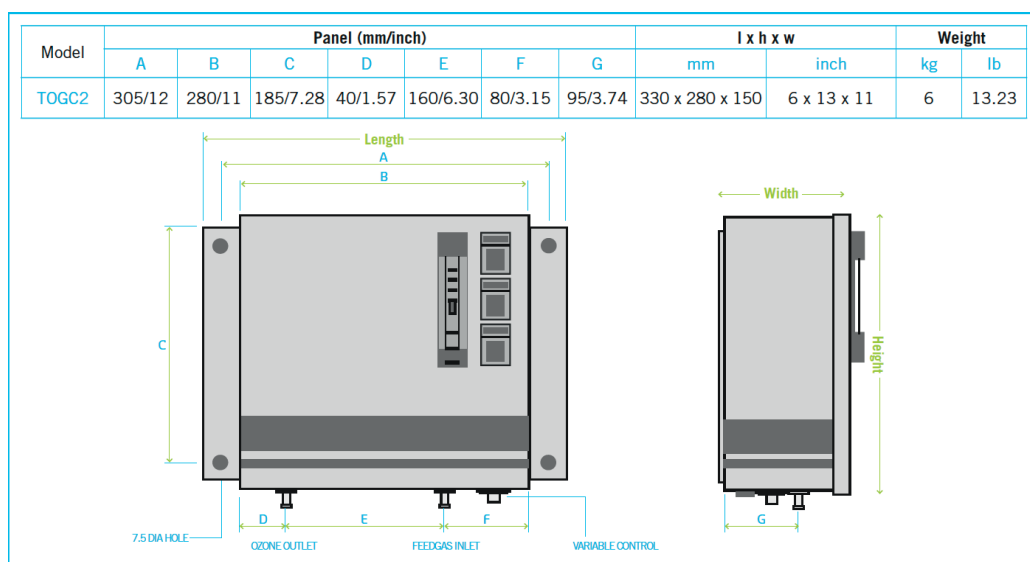
- **Ozone ON-OFF:** green illuminator switch
- **Fault:** red illuminator switch

OPTIONS

- Vent ozone destructor
- 4-20mA external output control

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



CONTACT

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
info@triogen.com



Your local distributor: