

ozonia[®] TOGC

ozone generators



The **ozonia[®] TOGC8X, 13X & 45X** are corona discharge ozone generators with variable output complete with an integrated oxygen concentrator and compressor. These models produce up to 8g O₃/h, 13g O₃/h or 45g O₃/h, respectively, for smaller ozone applications.

applications

- industrial oxidation process
- drinking water
- bottled water

ready for the resource revolution



ozone technology: ozonia® TOGC



The **ozonia® TOGC8X, 13X & 45X** ozone generators are wall-mountable, air-cooled units specifically designed for industrial use. The system incorporates function indicators, feed gas flowmeter, oxygen concentrator and variable output control.

The unit incorporates a compressor driven oxygen concentrator with automatically regenerated desiccant columns and all necessary flow control equipment.

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. A variable

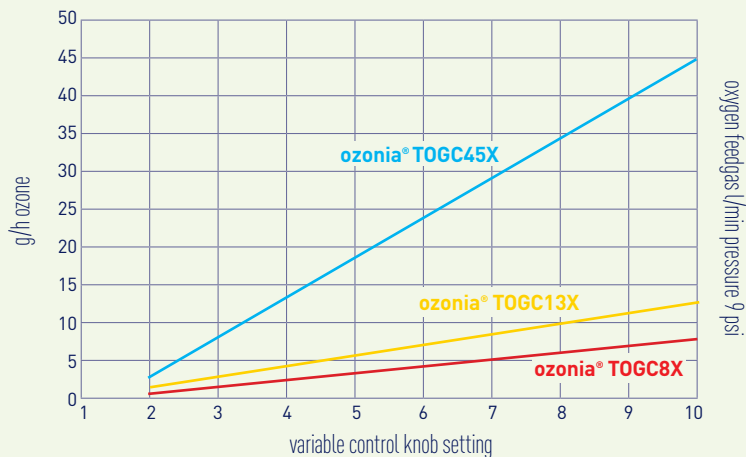
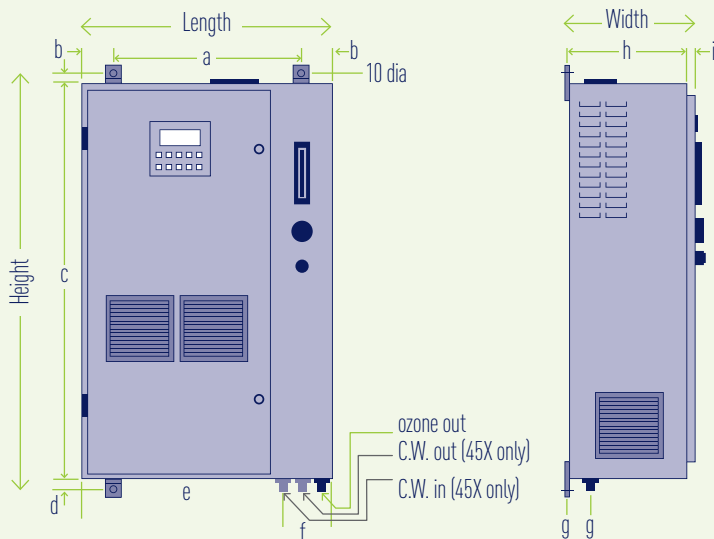
module power supply enables electronic control of the ozone production rate. The electronic power board is designed for continuous operation, with the added safety feature of 'fold back' short circuit protection. The dielectric is housed within a finned heat sink block, which is air cooled by fan assisted atmospheric air on the **ozonia® TOGC8X** and **TOGC13X**, and water cooled on the **ozonia® TOGC45X**.

product highlights

- ▶ variable ozone output up to 45g O₃/h
- ▶ fitted with an oxygen concentrator and compressor
- ▶ operating and maintenance manual including performance graphs
- ▶ illuminating switches indicating ozone production and faults
- ▶ fans assisted air cooling
- ▶ full twelve month warranty and technical backup facilities

model	max ozone output (g/h)	oxygen flowrate (l/min)	variable output control (%)	power supply (V/ph/Hz)	power consumption (W)	cooling water (l/h)					
ozonia® TOGC8X	8	5	20 to 100	230/1/50 or 115/1/60	600	-					
ozonia® TOGC13X	13	5	20 to 100		650	-					
ozonia® TOGC45X	45	5	20 to 100		1300	90					
model	panel (mm/inch)										
	A	B	C	D	E	F	G	H	I		
ozonia® TOGC8X	500/19.7	50/2.0	1000/39.4	30/1.2	540/21.3	60/2.4	25/1.0	230/9.1	20/0.8		
ozonia® TOGC13X	500/19.7	50/2.0	1000/39.4	30/1.2	540/21.3	60/2.4	25/1.0	230/9.1	20/0.8		
ozonia® TOGC45X	550/21.7	50/2.0	1000/39.4	30/1.2	540/21.3	110/4.3	45/1.8	280/11.0	20/0.8		
model	L x H x W				weight						
	mm				inch		kg	lb			
ozonia® TOGC8X	600 x 1060 x 250				24 x 42 x 10		51	112			
ozonia® TOGC13X	600 x 1060 x 250				24 x 42 x 10		54	119			
ozonia® TOGC45X	650 x 1060 x 310				25.6 x 42 x 12.2		83	183			

ozonia® TOGC8X, 13X & 45X



technical features

- ▶ feed gas: oxygen
- ▶ compressor flowrate: 70 l/min@45 PSI
- ▶ protection class: IP54
- ▶ conformity: CE

materials

- ▶ ozonia® TOGC8X & 13X outlet fittings: 8 mm PVDF compression
- ▶ ozonia® TOGC45X outlet fittings: 8 mm stainless steel compression
- ▶ ozonia® TOGC45X cooling water fittings: 12mm brass

options

- ▶ vent ozone destructor

remote control and alarms

- ▶ ozone ON-OFF fault
- ▶ feed gas fault
- ▶ oxygen flowmeter
- ▶ external output control

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



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