

TOGC Ozone Generator

FACT SHEET

Product Overview

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 TOGC8X and TOGC13X, and water cooled on the TOGC45X and TOGC55X.



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Product Characteristics

The TOGC8X, 13X, 45X, and 55X are corona discharge ozone generators with variable output complete with an integrated oxygen concentrator and compressor. These models produce up to 8 g O₃/h, 13 g O₃/h, 45 g O₃/h, or 55 g O₃/h, respectively, for smaller ozone applications.

Applications

- Industrial oxidation process
- Drinking water
- Bottled water

The TOGC8X, 13X, 45X, and 55X ozone generators are wall-mountable 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.

Product Highlights

- Variable ozone output up to 55g 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

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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)			
TOGC8X	8	5	20 to 100	230/1/50 or 60 or 115/1/60	600	-			
TOGC13X	13	5	20 to 100		650	-			
TOGC45X	45	5	20 to 100	230/1/50 or 60	1500	90			
TOGC55X	55	8	20 to 100		1500	90			
Model	panel (mm/inch)								
	A	B	C	D	E	F	G	H	I
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
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
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
TOGC55X	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		
TOGC8X	600 x 1060 x 250		24 x 42 x 10		48		106		
TOGC13X	600 x 1060 x 250		24 x 42 x 10		50		110		
TOGC45X	650 x 1060 x 310		25.6 x 42 x 12.2		107		235		
TOGC55X	650 x 1060 x 310		25.6 x 42 x 12.2		107		235		

Technical features

- Feed gas: oxygen
- Compressor flowrate: 70 l/min@45 PSI
- Protection class: IP54
- Conformity: CE

Materials

- TOGC8X & 13X outlet fittings: 8 mm PVDF compression
- TOGC45X & 55X outlet fittings: 8 mm stainless steel compression
- TOGC45X & 55X cooling water fittings: 12mm brass

Remote control and alarms

- Ozone ON-OFF fault
- Feed gas fault
- Oxygen flowmeter
- External output control (4-20mA)

Veolia's Ozonia ozone technology portfolio includes products from the laboratory scale to the largest ozone systems ever built. Veolia 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 40 years. Trust Veolia to deliver the highest quality ozone solutions to meet your treatment challenges.

- 7 product ranges certified to international standards
- Over 10,000 installations
- Over 40 years of experience

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