

triogen[®] TOGC is a corona discharge ozone generator with variable output, complete with an integrated oxygen concentrator and compressor. These models produce up to 55g O₃/h for smaller industrial ozone applications.

APPLICATIONS

- Industrial oxidation process
- Drinking water
- Bottled water
- Aquaculture & Aquariums
- Cooling Towers
- F&B Industry

MAIN FEATURES

- Ozone generator producing up to 55g/h for industrial use
- Feed gas: oxygen (PSA)
- 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



TECHNOLOGY

The TOGC ozone generator is a wall-mountable, air-cooled unit 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 short circuit protection. The dielectric is housed within a finned heat sink block, which is air cooled by fan using atmospheric air on the TOGC 8X and 13X, and water cooled on the TOGC 45X and 55X.



TECHNICAL DATA MODEL	Max.Ozone output	Oxygen flowrate	Variable output control	Power supply	Power Consumption	Cooling water
	g/h	l/min	%	V / ph/Hz	W	(l/h)
TOGC 8X	8	5	20-100	230/1/50 OR 115/1/60	600	-
TOGC 13X	13	5	20-100		650	-
TOGC 45X	45	5	20-100	230/1/50	1500	90
TOGC 55X	55	8	20-100		1500	90

MODEL	Panel (mm/inch)									L x H x W		Weight	
	A	B	C	D	E	F	G	H	I	mm	inch	kg	lb
TOGC 8X	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	600 x 1050 x 250	24 x 42 x 10	48	106
TOGC 13X	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	600 x 1050 x 250	24 x 42 x 10	50	110
TOGC 45X	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	650 x 1060 x 310	25.6 x 42 x 12.2	107	235
TOGC 55X	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	650 x 1060 x 310	25.6 x 42 x 12.2	107	235

TECHNICAL FEATURES

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

QUALITY STANDARDS

- ISO 9001 : 2015
- CE Approved

MATERIALS

- TOGC 8X & 13X outlet fittings: 8mm PVDF compression
- TOGC 45X and 55X outlet fittings: 8mm stainless steel compression
- TOGC 45X and 55X cooling water fittings: 12 mm brass

REMOTE CONTROLS AND SIGNALS

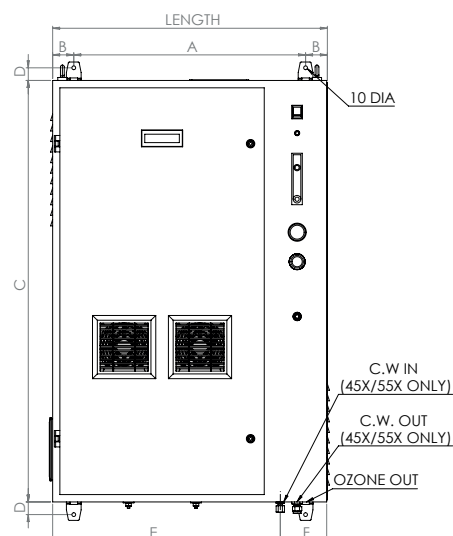
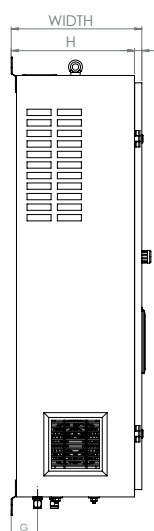
- Ozone ON-OFF fault
- Feed gas fault
- Oxygen flowmeter
- External output control (4-20mA)
- Remote start/stop

OPTIONS

- Vent ozone destructor
- Pressure and vacuum option (on TOGC8X and TOGC13X only)

CONTACT

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