

triogen[®] TOGC XIS is a corona discharge ozone generator with variable output, complete with an integrated oxygen concentrator, compressor, ozone injector and booster pump. 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
- CIP (Clean in place)

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, compressor, injector and booster pump
- Operating and maintenance manual including performance graphs
- Illuminating switches indicating ozone production and faults
- Fans assisted air cooling



TECHNOLOGY

The TOGC XIS ozone generator is a free-standing 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 assisted atmospheric air on the TOGC 8XIS and 13XIS, and water cooled on the TOGC 45XIS and 55XIS.



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

TECHNICAL FEATURES

- Feed gas: Oxygen
- Injector Pump Flowrate: 1.5m³/h
- System operates under vacuum

STANDARDS

- Protection Class: IP54
- Conformity: CE

PROCESS CONNECTIONS

- Inlet 1" BSP female thread (Pump)
- Outlet 1" plain uPVC union
- Metric connections provided

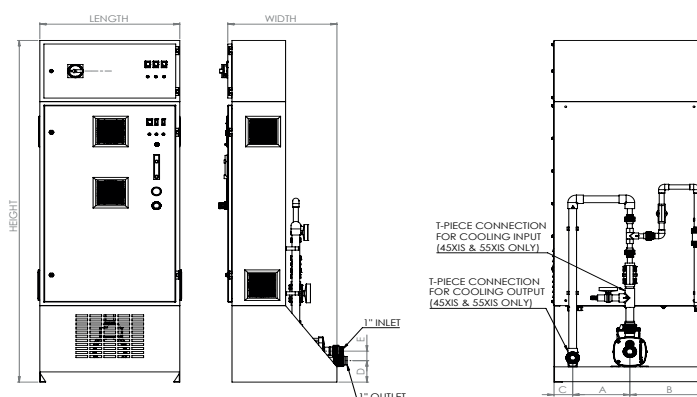
REMOTE CONTROL AND ALARMS

- Ozone ON-OFF Fault
- Feed gas, booster pump faults
- Oxygen flowmeter
- External output control (4-20mA)
- Remote start/stop

MATERIAL OPTIONS

1. Standard - mild steel skid & PVC piping
2. Option - stainless steel skid & PVC piping
3. Option - mild steel skid & stainless steel piping
4. Option - stainless steel skid & stainless steel piping

MODEL	Panel (mm/inch)					Inlet		Outlet		L x H x W		Weight	
	A	B	C	D	E	DN	inch	DN	inch	mm	inch	kg	lb
TOGC 8XIS	220/8.7	300/11.8	80/3.1	85/3.3	105/4.1	25	1	25	1	600 x 1675 x 450	24 x 66 x 18	83	183
TOGC 13XIS												85	187
TOGC 45XIS	245/9.6	325/12.8	80/3.1	105/4.1	85/3.3					650 x 1675 x 500	25.6 x 65.9 x 19.7	128	282
TOGC 55XIS													



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