



OZONE	INDUSTRIAL	BOTTLED WATER	VARIABLE	<p>► Applications</p> <ul style="list-style-type: none"> - Industrial oxidation process - Bottled Water <p>► Main characteristics</p> <ul style="list-style-type: none"> - Ozone generator producing up to 13 g/h for industrial use - Feed gas: Oxygen
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The TOGC8XIS and 13XIS are corona discharge ozone generators with variable output complete with inbuilt oxygen concentrator, compressor and injector pump. Producing up to 8g/h and 13g/h for the bottling industry.

MAIN FEATURES

- Simple to install and operate in conjunction with bottle rinsing and filling equipment
- No added “chemicals” so the product water character is not affected
- Suitable for new installations or for retrofitting to existing plant
- Increases final product shelf life

OZONE TECHNOLOGY: TOGC8XIS AND TOGC13XIS

During the bottling process it is virtually impossible to prevent some microorganisms remaining either in the bottled water or in the enclosed air-space under the bottle cap.

Introducing ozone into the bottled water upstream of the filling machine ensures that any organisms in the water are destroyed and the air space within the filled bottle and the bottle cap are sterilised.

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 using the control knob located on the front of the enclosure or by a 4 - 20 mA external signal.

Any unreacted ozone present in the bottled water will decay naturally and revert back to oxygen.

No toxic byproducts are formed when ozone is used and it has the added benefit of assisting in the removal of iron, manganese and color contaminants.

Ozonía Triogen ozone injection skids are offered in two sizes and consist of the following parts: Ozone generator with integral oxygen concentrator; injector; ozone resistant booster pump and full electrical control system

TECHNICAL DATA

Model	Max. Ozone Output	Rinsing		Bottling		Oxygen Flowrate	Variable Output Control	Power Supply	Power Consumption
		Flowrate ⁽¹⁾	O ₃ concentration	Flowrate ⁽¹⁾	O ₃ concentration				
	g/h	m ³ /h	mg/l	m ³ /h	mg/l	l/min	%	V/pH/Hz	W
TOGC8XIS	8	2.5	1	10	0.2	5	20-100	230/1ph/50 or 115/1ph/60	980
TOGC13XIS	13	3.5		20		5	20-100		1100

(1) Minimum water flowrate: 1.5 m³/h @ 2 barg

Feed Gas : Oxygen
Injector pump flowrate: 1.5 m³/h

► Standards

- Protection Class: IP54
- Conformity: CE
- BS EN ISO 9002:94

► Materials

- Module: Ceramic dielectric with stainless steel electrode
- Inlet 3/4" BSP female thread (Pump)
- Outlet 3/4" plain uPVC union

► Remote controls and alarms

- Ozone ON-OFF Fault
- Feed gas, Booster pump Faults
- Oxygen Flowmeter
- External output control

► Options

- Ozone in water concentration monitor and probe to control ozone output
- Ozone in air monitor for operator safety
- Manual ozone in water concentration test kit
- Optional 304 stainless steel IP54 panel and skid

DIMENSIONS

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
	TOGC8XIS	220/8.7	300/11.8	80/3.1	85/3.3	105/4.1	20	3/4	20	3/4	600 x 1675 x 450	24 x 66 x 18	83
TOGC13XIS												85	187



Contacts www.degremont-technologies.com

Degrémont Technologies - Ozonia - Switzerland	• info-ozoniaCH@degtec.com	• + 41 44 801 8511
Degrémont Technologies - Ozonia - France	• info-ozoniaFR@degtec.com	• + 33 1 46 25 39 50
Degrémont Technologies - Triogen	• info-triogen@degtec.com	• + 44 141 810 48 61
Degrémont Technologies - Ozonia - North America	• info-ozonia@degtec.com	• + 1 201 794 3100
Degrémont Technologies - Ozonia - Russia	• info-ozoniaRU@degtec.com	• + 7 8314 166 256
Degrémont Technologies - Ozonia - Korea	• info-ozoniaKR@degtec.com	• + 82 31 7019036
Degrémont Technologies - China	• info-china@degtec.com	• + 86 10 6597 3860
Degrémont Technologies - Japan	• info-japan@degtec.com	• + 81 3 5444 6361

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