

# TOGC8XIS, 13XIS & 45XIS

## Ozone Package

**The TOGC8XIS, 13XIS and 45XIS are corona discharge ozone generators with variable output complete with inbuilt oxygen concentrator, compressor and injector pump. These models produce up to 8g O<sub>3</sub>/h 13g O<sub>3</sub>/h or 45g O<sub>3</sub>/h , respectively, for the bottling industry.**

### APPLICATIONS

- Industrial oxidation process
- Bottled Water
- Cooling Towers
- Aquaculture
- Food Industry
- Etc.

### MAIN CHARACTERISTICS

- Ozone generator producing up to 45g/h for industrial use
- Feed gas: Oxygen

### OZONE TECHNOLOGY: TOGC8XIS, 13XIS & 45XIS

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. 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.

### 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.

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



### PRODUCT HIGHLIGHTS

- > 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

TECHNICAL DATA MODEL	Max. Ozone Output (g/h)	Rinsing		Bottling		Oxygen Flowrate (l/min)	Variable Output Control (%)	Power Supply (V/ph/Hz)	Power Consumption (W)	Cooling Water (2) (l/h)
		Flowrate (1) m <sup>3</sup> /h	O <sub>3</sub> Concentration mg/l	Flowrate (1) m <sup>3</sup> /h	O <sub>3</sub> Concentration mg/l					
TOGC8XIS	8	2.5	1	10	0.2	5	20-100	230/1/50 or 115/1/60	980	-
TOGC15XIS	13	3.5	1	20	0.2	5	20-100		1100	-
TOGC45XIS	45	12.0	1	55	0.2	5	20-100		2300	90

(1) Minimum water flowrate: 1.5 m<sup>3</sup>/h @ 2 barg

(2) Depending on water quality and application

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
TOGC8X	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
TOGC15X	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	85	187
TOGC45X	245/9.6	325/12.8	80/3.1	105/4.1	85/3.3	25	1	25	1	650 x 1675 x 500	25.6 x 65.9 x 19.7	128	282

## TECHNICAL FEATURES

- Feed Gas: Oxygen
- Injector Pump Flowrate: 1.5m<sup>3</sup>/h
- Protection Class: IP54
- Conformity: CE

## MATERIALS

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

## OPTIONS

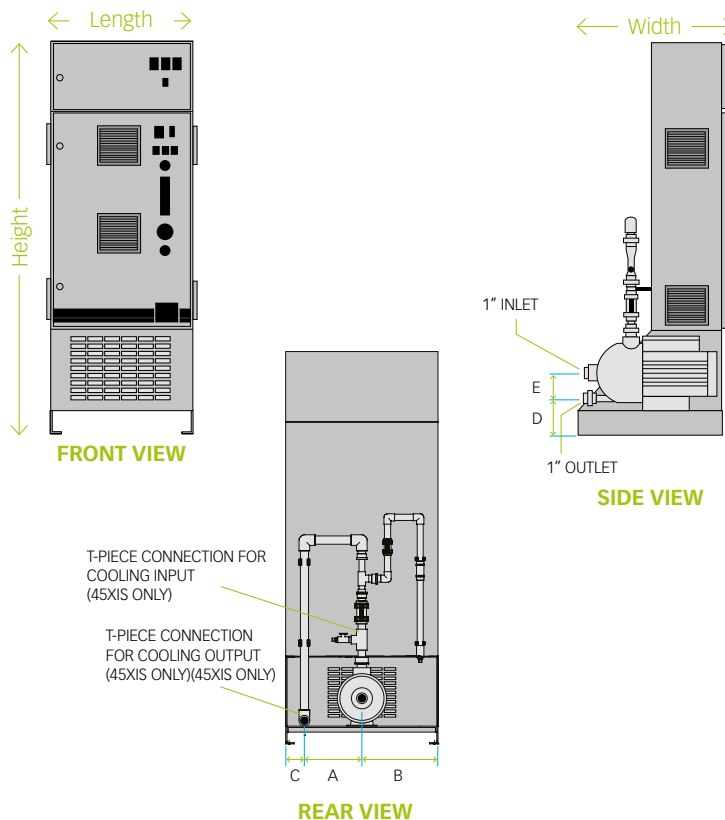
- Ozone in water concentration monitor and probe to control ozone output
- Ozone in air monitor for operator safety
- Manual ozone in water concentration test kit
- Optional 304 stainless steel IP54 panel and skid

## REMOTE CONTROL AND ALARMS

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

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