

TRIOGEN

COMPACT OZONE SYSTEMS



OZONE

COMPACT

RESIDENTIAL

HOTEL

← Applications

- Swimming pool disinfection

← Main characteristics

- Ozone system producing up to 8 g/h for swimming pool disinfection



The Compact Ozone range provides residential and hotel size swimming pools with a cost effective ozone disinfection system for improved water quality.

MAIN FEATURES

- Proven ability to safely lower free chlorine residual
- Effective against chlorine resistant micro-organisms
- Reduced skin and eye irritation
- Very low THM levels
- Significant improvement in water clarity
- Long term reliability of 10 to 15 years
- Simple to install and operate with minimal plant room space requirement

OZONE TECHNOLOGY: COMPACT OZONE SYSTEMS

The Compact ozone range is designed for disinfection of private and hotel sized swimming pools. Ozone provides effective treatment against chlorine resistant micro-organisms and significantly improves water clarity.

The range consists of a corona discharge ozone generator and automatically regenerated air dryer unit which can be used in combination to give ozone outputs from 2 – 8 g/h.

HOW IT WORKS

Ozone is produced when air is passed over a ceramic dielectric ozone generating module containing a stainless steel electrode. The module is powered by a high voltage/high frequency power board. The system operates under vacuum conditions created by a water driven venturi which ensures maximum safety against ozone gas leakage.

The air dryer unit contains twin dessiccant dryer columns which are automatically heat regenerated controlled by a programmable relay system. When the air dryer system is used the normal output of the generators is doubled.



TECHNICAL DATA

COMPACT OZONE SYSTEMS Model	Ozone Output	Air Flow	Maximum Pool Volume			
			Private		Hotel	
	g/h	l/m	m ³	US Gallons	m ³	US Gallons
GENERATOR MODEL TOG B2	2	10	180	47 500	90	24 000
MODEL TOG B2 + TAD B1	4	10	400	105 000	200	52 500
MODEL TOG B2 (x2) + TAD B1	8	20	800	210 000	400	105 000

► Standards

- BS EN ISO 9002:94
- CE Approval

► Remote controls and signals

- **Ozone On:** red illuminator switch
- **Air Flow:** externally fitted air flowmeter 0-25 l/m

► Complimentary Equipments

- Degassing system
- Booster pump

► Materials

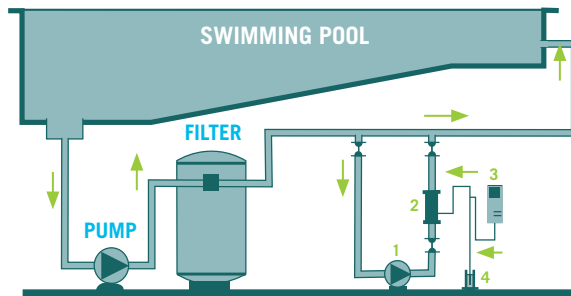
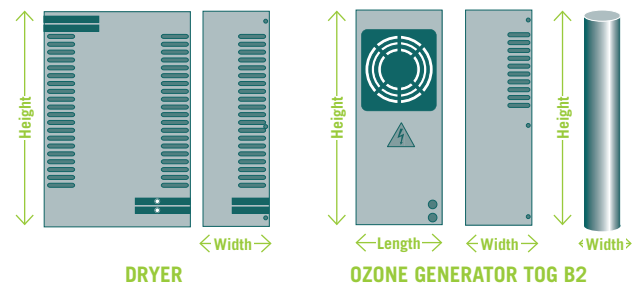
- **Ozone Generator:** mild steel, epoxy coated, enclosure
- **Module:** 316 stainless steel electrode assembly inside a ceramic dielectric tube
- **Air Dryer:**
 - mild steel, epoxy coated, enclosure
 - twin dessiant column designed to operate at negative pressure
 - automatic column regeneration by heat purging

DIMENSIONS

COMPACT OZONE SYSTEMS Model	l x h x w		Weight kg/lb ⁽¹⁾
	mm	inch	
OZONE GENERATOR (TOG B2)	115 x 440 x 110	4.5 x 17.3 x 4.3	4.4/9.7
AIR DRYER (TAD B1)	305 x 440 x 110	12 x 17.3 x 4.3	10/22.0

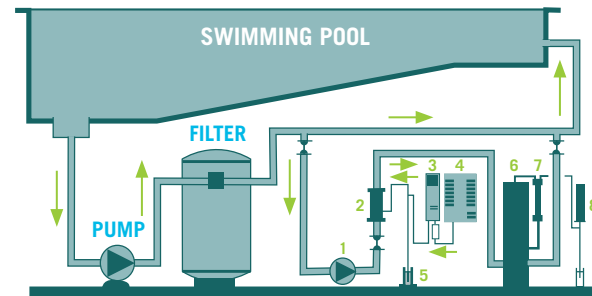
DEGASSER TANK (TDG A1)	h x w		Weight kg/lb ⁽¹⁾
	mm	inch	
	1600 x 250	63.0 x 9.8	29/63.9

(1) Empty



- 1 - BOOSTER PUMP
- 2 - OZONE INJECTOR
- 3 - OZONE GENERATOR
- 4 - WATER TRAP AND POT

TYPICAL INSTALLATION OF OZONE GENERATOR WITHOUT CONTACT DEGASSING



- 1 - BOOSTER PUMP
- 2 - OZONE INJECTOR
- 3 - OZONE GENERATOR
- 4 - AIR DRYER
- 5 - WATER TRAP AND POT
- 6 - DEGASSER TANK
- 7 - AUTOMATIC VENT VALVE
- 8 - VENT GAS DESTRUCTOR AND POT

TYPICAL INSTALLATION OF OZONE GENERATOR WITH AIR DRYER AND CONTACT DEGASSING SYSTEM

Contacts

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