

trigen® O₃ S is designed for water treatment of private and hotel size swimming pools and aquatic applications. Ozone provides exceptional disinfection with effective treatment against chlorine resistant micro-organisms, oxidation of various organic matters and flocculation of colloidal particles, which significantly improves water quality. 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.

APPLICATIONS

- Private pools
- Hotel / club pools
- Aquariums

BENEFITS

- Safely lower free chlorine residual with effective disinfection including chlorine resistant micro-organisms
- Chloramine destruction reducing skin, eye and respiratory irritation
- Significant improvement in water clarity and air quality
- Improves algae control
- Reduced THM levels
- Savings in water, energy and chemical consumption
- Designed for maximum operator and bather safety

MAIN FEATURES

- Compact wall mounted ozone generator
- Corona discharge modules designed for 10+ years operation
- Ongoing EU ozone biocide regulation compliant
- Ozone safely generated and injected under vacuum
- Air cooled system with high humidity durability
- Thermostatic system protection
- Power and operation indicators
- Supplied with full range of manufacturer ancillaries
- CE certified, manufactured to ISO 9001:2008

O₃ TECHNOLOGY

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 and full range of accessories are available including degassing units, injectors and pumps.



TECHNICAL DATA MODEL	Ozone Output	Air Flow	Supply Rating*	Maximum Pool Volume			
				Private		Hotel	
	g/h	l/m	V/ph/Hz	m ³	US Gallons	m ³	US Gallons
S2 (OZONE GENERATOR)	2	10	220V/1ph/50Hz (standard) or 110V/1ph/60Hz (option)	180	47,500	90	24,000
S4 (OZONE GENERATOR + AIR DRYER)	4	10		400	105,000	200	52,500
S8 (OZONE GENERATOR X2 + AIR DRYER)	8	20		800	210,000	400	105,000

(*) Voltage requirement to be confirmed at order

QUALITY STANDARD

- ISO 9001:2008
- CE Approved

MATERIALS

- Enclosure: mild steel, epoxy coated, enclosure
- Module: 316 stainless steel electrode assembly inside a ceramic dielectric tube
- Air Dryer: - mild steel, epoxy coated, enclosure
- twin dessicant column
- Contact Tank: reinforced epoxy fiber with vinylester coating

REMOTE CONTROLS AND SIGNALS

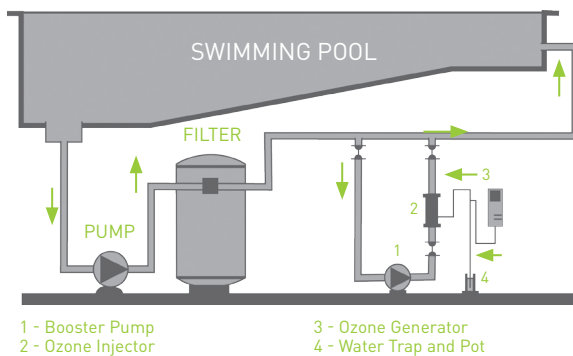
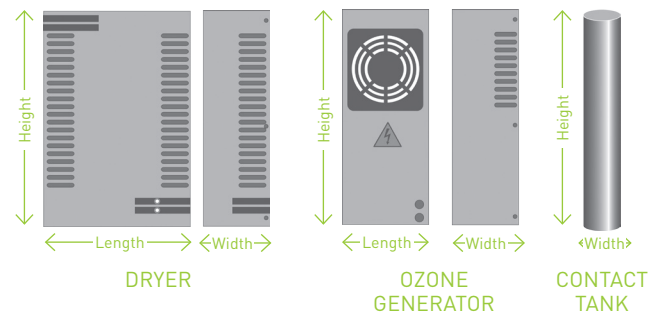
- Ozone On: red illuminator switch
- Air Flow: externally fitted air flowmeter 0-25 l/m
- Power on illuminator

OPTIONS

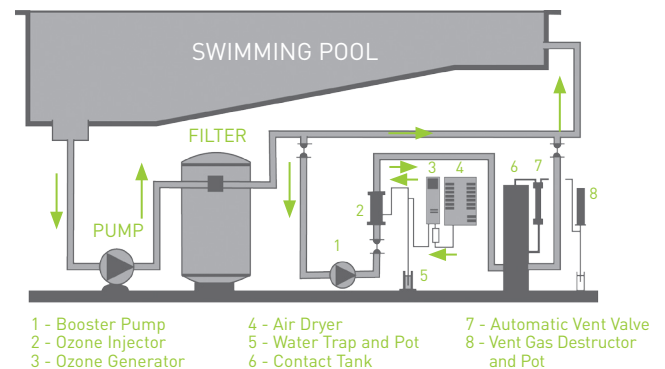
- Contact tank
- Booster pump
- Solenoid valve kit (above ground installations)

TECHNICAL DATA SUB-EQUIPMENT	LxHxW		Weight kg/lb ⁽¹⁾
	mm	inch	
OZONE GENERATOR	115 x 440 x 110	4.5 x 17.3 x 4.3	4.4/9.7
AIR DRYER	305 x 440 x 110	12 x 17.3 x 4.3	10/22.0
CONTACT TANK	1600 x 250	63.0 x 9.8	29/63.9

(1) Empty



TYPICAL INSTALLATION OF OZONE GENERATOR WITHOUT CONTACT / DEGASSER SYSTEM



TYPICAL INSTALLATION OF OZONE GENERATOR WITH AIR DRYER AND CONTACT / DEGASSER SYSTEM

CONTACT

SUEZ Purification & Disinfection Systems Ltd
Unit 14 Langlands Place, East Kilbride G75 0YF
Scotland, United Kingdom
Tel: + 44 (0) 13 55 220 598
Fax: + 44 (0) 13 55 570 058
www.triogen.com
info@triogen.com

Your local distributor: