

triogen® O₃ S is specially designed for water treatment of private and hotel swimming pools and small aquatic applications. Ozone provides exceptional disinfection with effective treatment against chlorine resistant micro-organisms, oxidation of various organic matter 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/hr.

APPLICATIONS

- Private pools
- Hotel, lodgings, camping and club pools
- Aquariums & Aquaculture
- Ponds, Fountains & Water features

BENEFITS

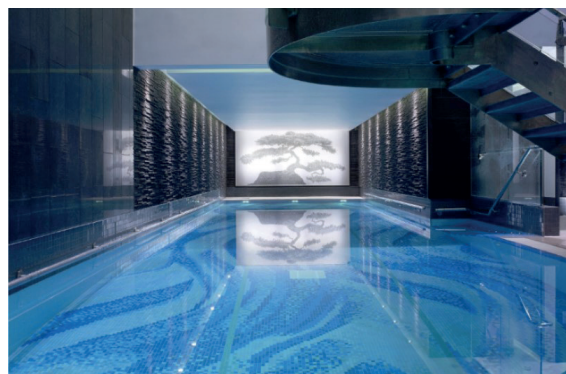
- Safely lower free chlorine residual with effective disinfection including chlorine resistant micro-organisms
- Chloramine destruction reducing "red eye" and irritation of skin and respiratory system
- Significant improvement in water clarity and air quality
- Helps to inhibit the growth of algae
- Trihalomethane (THM) levels are minimised
- Simple to install and operate with minimal plant room space requirement
- Designed for maximum operator and bather safety

MAIN FEATURES

- Compact wall mounted ozone generator and air dryer
- Corona discharge modules designed for 10+ years operation
- Ozone safely generated and injected under vacuum
- Air cooled system
- Thermostatic system protection
- Power and operation indicators
- CE certified, manufactured to ISO 9001 : 2015
- Full range of accessories are available including contact tank, degassing unit, ozone injector and ozone booster pump.

OZONE 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 ensuring maximum safety in operation.
- 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 OPERATING 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 SYSTEM	2	10	220V/1ph/50Hz (standard) or 110V/1ph/60Hz (option)	180	47,600	90	23,800
S4 SYSTEM	4	10		400	105,700	200	52,850
S8 SYSTEM	8	20		800	211,400	400	105,700

(*) Voltage must be confirmed by customer at time of order

SCOPE OF SUPPLY MODEL	Ozone Generator TOGB2	Air Dryer TADC1	Ozone Injector	Flow Meter	Water Trap Assembly	8mm PTFE tubing
S2 SYSTEM	1 off	0	1 off	1 off	1 off	3m
S4 SYSTEM	1 off	1 off	1 off	1 off	1 off	2 x 3m
S8 SYSTEM	2 off	1 off	2 off	2 off	2 off	3 x 3m

TECHNICAL DATA SUB-EQUIPMENT	LxHxW		Weight (empty)
	mm	inch	kg/lb
OZONE GENERATOR (TOGB2)	155 x 440 x 110	6.1 x 17.3 x 4.3	4.4/9.7
AIR DRYER (TADC1)	305 x 440 x 110	12 x 17.3 x 4.3	10/22.0

QUALITY STANDARD

- ISO 9001 : 2015
- CE Approved

MATERIALS

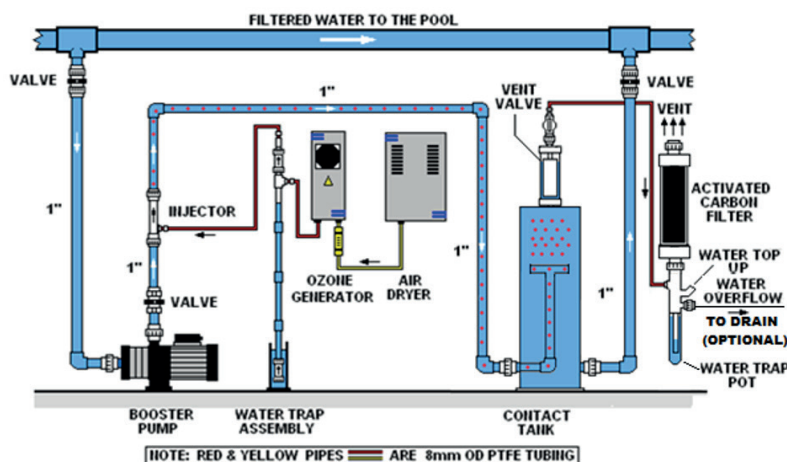
- Enclosures: mild steel, epoxy coated
- Ozone module: 316L stainless steel electrode assembly inside a ceramic dielectric tube

REMOTE CONTROLS AND SIGNALS

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

OPTIONS

- Contact Degassing Chamber, Carbon Off-Gas Destructor & Water Trap, Ozone Booster Pump
- 4-20mA external output control



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