

COMPACT OZONE SYSTEMS

NEGATIVE PRESSURE OZONE GENERATORS FOR SWIMMING POOL WATER TREATMENT

DESCRIPTION

The Compact range of ozone generators and ancillaries have been designed for use on private and hotel size swimming pools and were initially developed by Triogen to offer these types of pools a cost effective ozone system for improved water quality.

The range consists of two sizes of corona discharge ozone generators and an automatically regenerated air dryer unit which can be used in combination to give ozone outputs from 1 to 8 grams/hour.

The complete system operates under vacuum conditions created by a water driven venturi which ensures maximum safety against ozone gas leakage.

The ozone generators incorporate a high voltage/high frequency power supply with manually variable output control and are designed for continuous operation.

The ozone generator modules utilise ceramic dielectric tubes and stainless steel electrodes for long term reliability and consistent ozone output.

The air dryer unit consists of twin desiccant dryer columns which are automatically heat regenerated controlled by a programmable relay system.

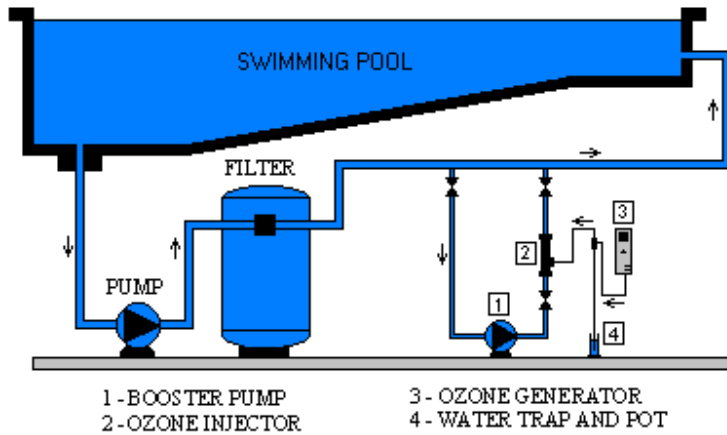
When the air dryer system is used, the normal ozone output of the generators is doubled.



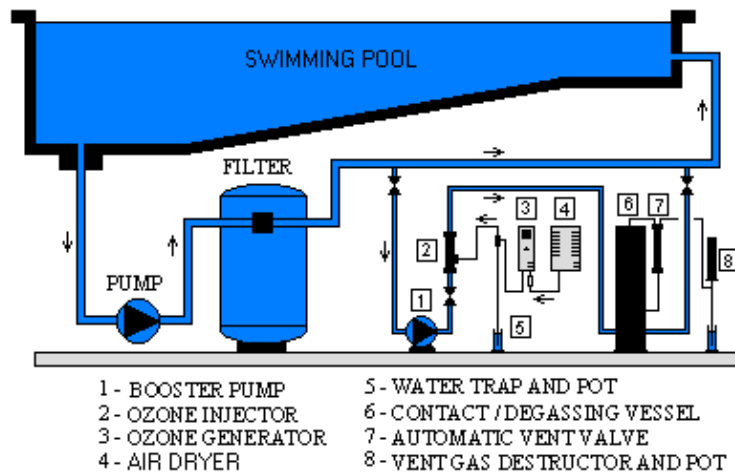
FEATURES

- Low capital and installation cost.
- Minimal electrical running costs.
- Minimal plantroom space requirement
- Simple to install and operate.
- Can be retrofitted to existing filtration plant.
- Proven ability to safely lower the free chlorine residual.
- Effective against chlorine-resistant micro-organisms.
- Very low THM levels.
- Significant improvement in water clarity.
- Reduced skin and eye irritation

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TYPICAL INSTALLATION OF OZONE GENERATOR WITHOUT CONTACT DEGASSING



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

TECHNICAL INFORMATION

GENERATOR MODEL TOG B1 - OZONE OUTPUT - 1 GRAM/HOUR
MAXIMUM POOL VOLUME - PRIVATE 90 M3 - HOTEL 45 M3

GENERATOR MODEL TOG B2 - OZONE OUTPUT - 2 GRAM/HOUR
MAXIMUM POOL VOLUME - PRIVATE 180 M3 - HOTEL 90 M3

MODEL TOG B2 + TAD B1 - OZONE OUTPUT - 4 GRAM/HOUR
MAXIMUM POOL VOLUME - PRIVATE 400 M3 - HOTEL 200 M3

MODEL TOG B2 (x2) + TAD B1 - OZONE OUTPUT - 8 GRAM/HOUR
MAXIMUM POOL VOLUME - PRIVATE 800M3 - HOTEL 400M3

AIR DRYER MODEL TAD B1 - DRY AIR FLOWRATE - 12 LTR/HOUR
(NOTE: USE OF THE AIR DRYER DOUBLES THE OZONE OUTPUT)