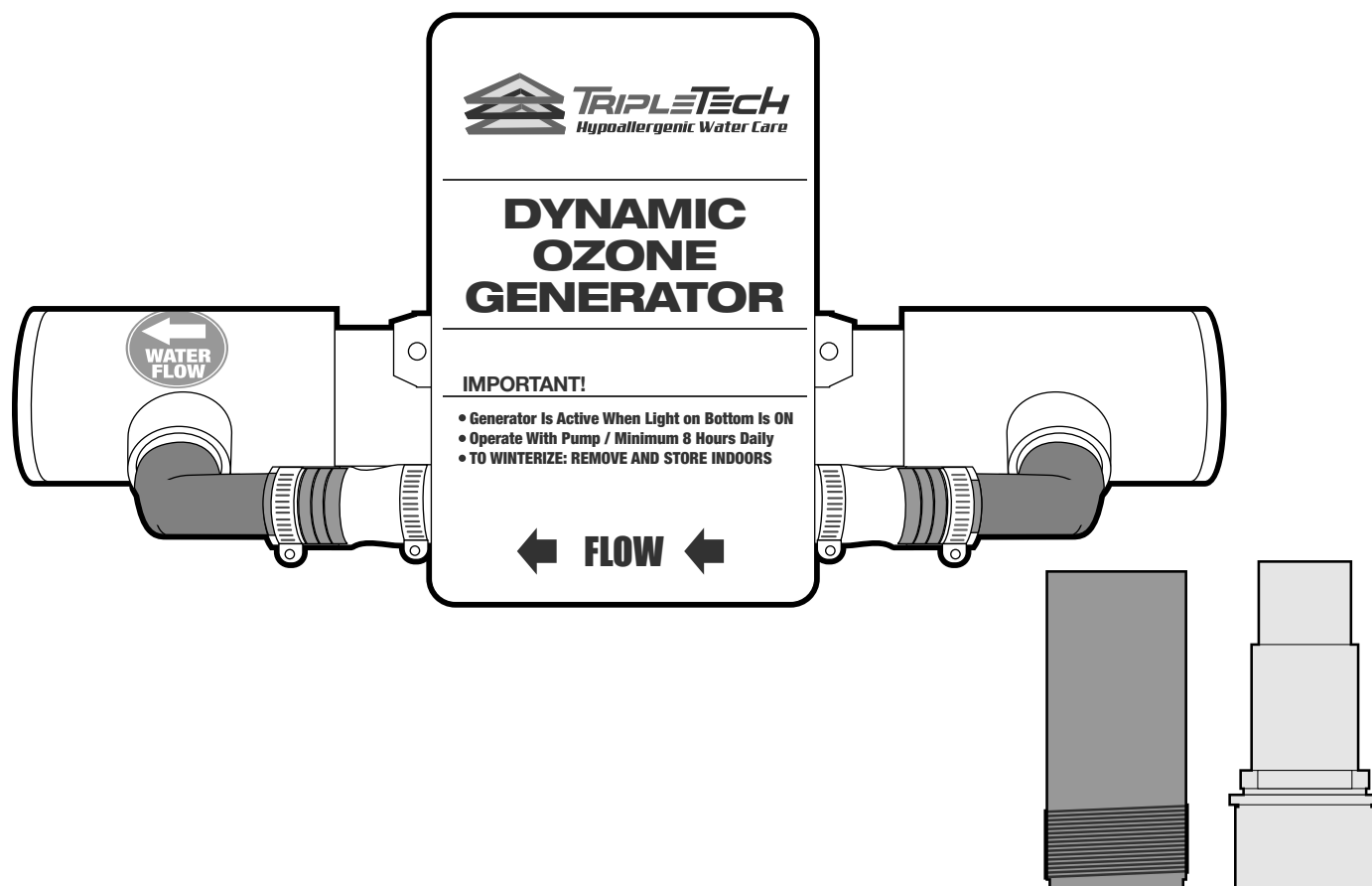


DYNAMIC OZONE GENERATOR










For Outdoor Residential Aboveground Pools up to 20,000 gallons



Installation and Operating Instructions

SAFETY INSTRUCTIONS

READ AND FOLLOW ALL INSTRUCTIONS

-  **WARNING** – Risk of Electric Shock. Connect only to a circuit protected by a ground-fault circuit-interrupter (GFCI). Contact a qualified electrician if you cannot verify that the circuit is protected by a GFCI.
-  **WARNING** – The unit must be connected only to a supply circuit that is protected by a ground-fault circuit-interrupter (GFCI). Such a GFCI should be tested on a routine basis. To test the GFCI, push the test button. The GFCI should interrupt power. Push the reset button. Power should be restored. If the GFCI fails to operate in this manner, the GFCI is defective.
-  **WARNING** - Follow all NEC Codes and Local Codes when installing this product.
-  **WARNING** - To reduce the risk of injury, do not permit children to use this product unless they are closely supervised at all times.
-  **CAUTION** - This product should be installed by a professional service technician or similar person who is qualified in electrical equipment installation. Improper installation and/or operation could cause serious personal injury, property damage or death. Improper installation and/or operation will void the warranty.
-  **WARNING - ELECTRIC SHOCK** - Disconnect all power during installation or performing any service work.
-  **WARNING** – Do not use system if cord is damaged or frayed.
-  **CAUTION** - This device is for use on outdoor residential swimming pools less than 20,000 gallons. Do not use this device for potable (drinking) water sanitization or for public pools.
-  **CAUTION** - This device is not designed for use with automatic pool covers or indoor pools

SAVE THESE INSTRUCTIONS

Specifications:

Max Pool Size: Pools up to 20,000 Gallons

Shipping Weight: 6 pounds

Connections: 1.5 in. pipe connections on manifold

Input Power: 120/240VAC 60Hz

Power Consumption: 8.3 Watt max.

Max Operating Pressure: 50 psi

Operating Flow Range: 20-80 GPM

Warranty: Limited Lifetime Warranty

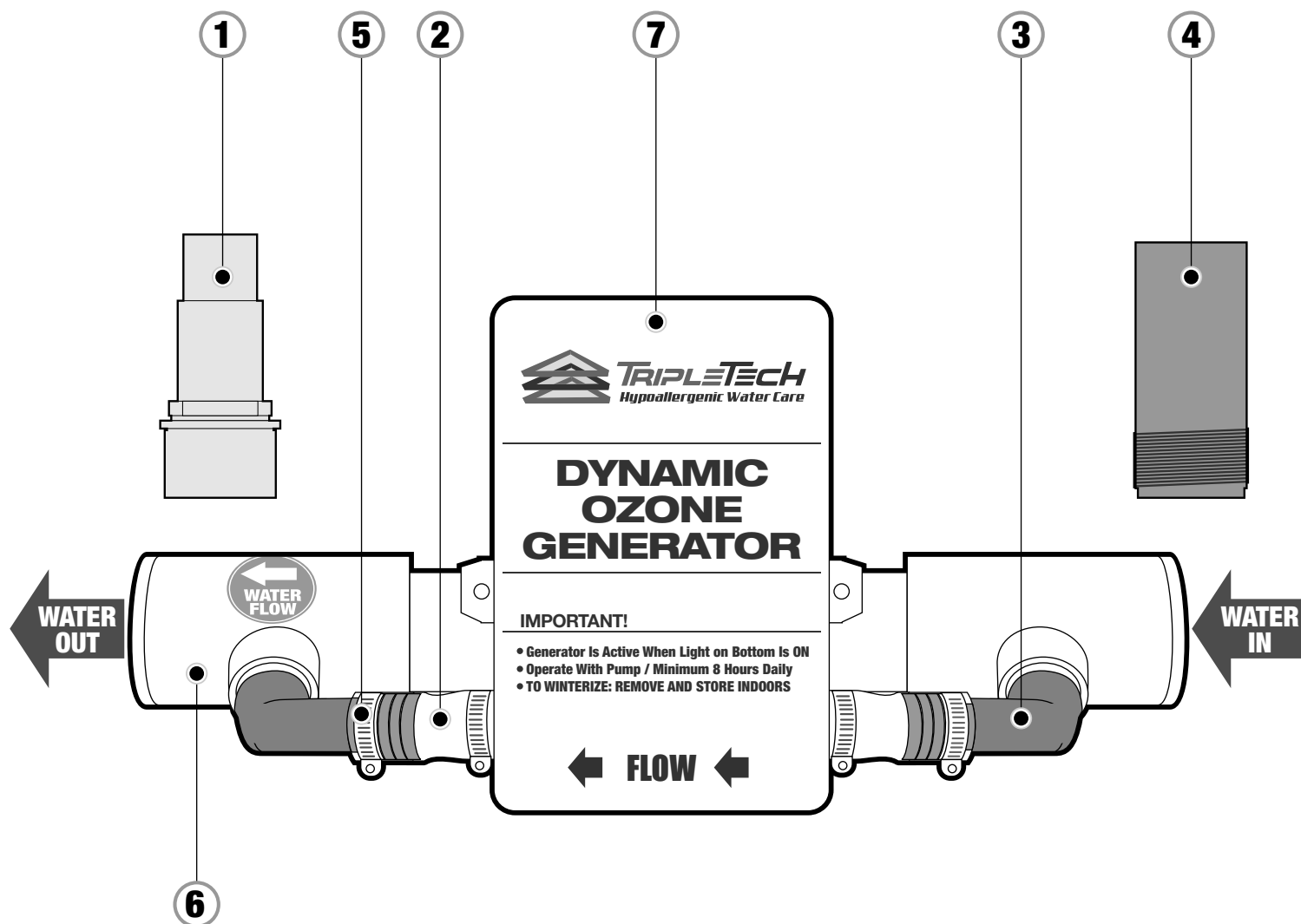


Ozone Generator

US ONLY 100V-240V
50/60Hz I 178/118mA

Canada ONLY 120V
60Hz I 118mA

COMPONENTS



PARTS LIST

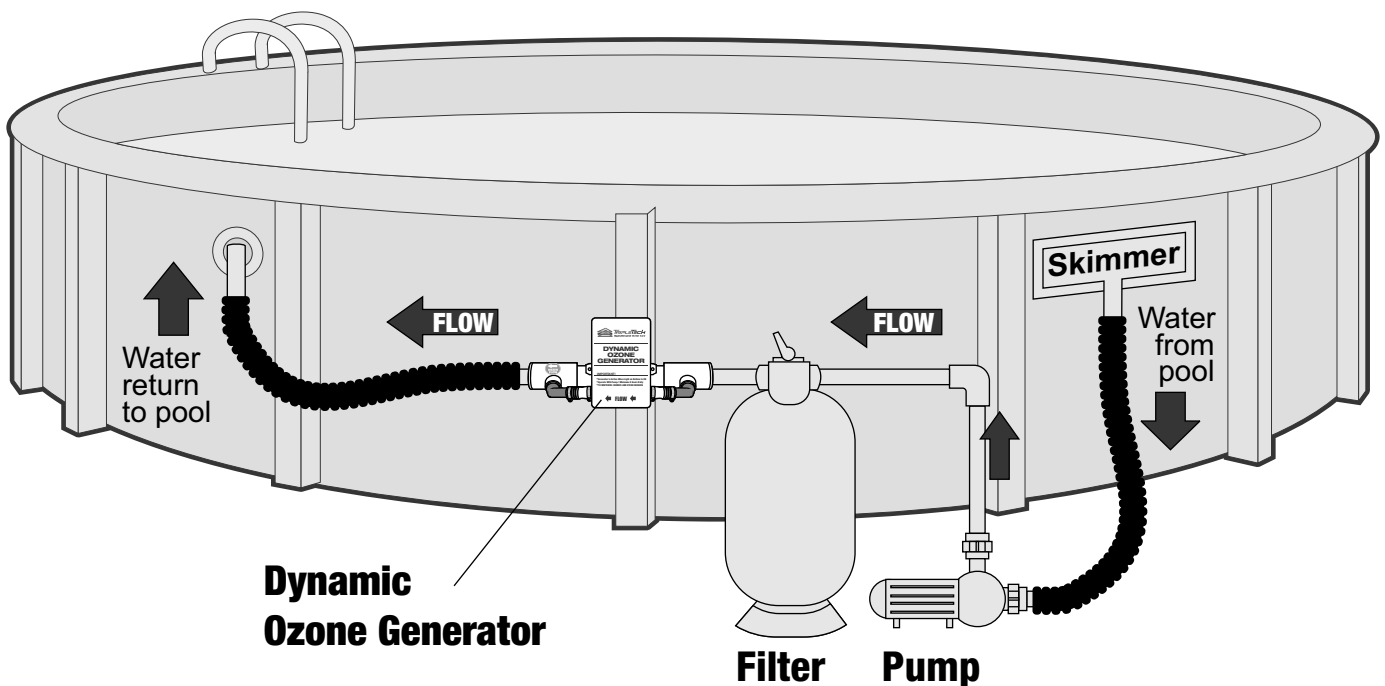
MAN001	①	Flex Hose Adapter 1.5 in. SOC X 1.5in.-1.25in. SLIP
MAN002-275	②	2.75 inch Clear Vinyl Hose
MAN005	③	0.75 inch Barbed Elbow (Grey)
MAN006-3	④	3 inch Threaded Adapter (Grey)
MAN008	⑤	1.25 inch Stainless Steel Hose Clamp
MAN20A	⑥	Manifold Complete (Without Generator)
OXY20-010	⑦	Dynamic Ozone Generator Complete (Without Manifold)

SYSTEM OVERVIEW

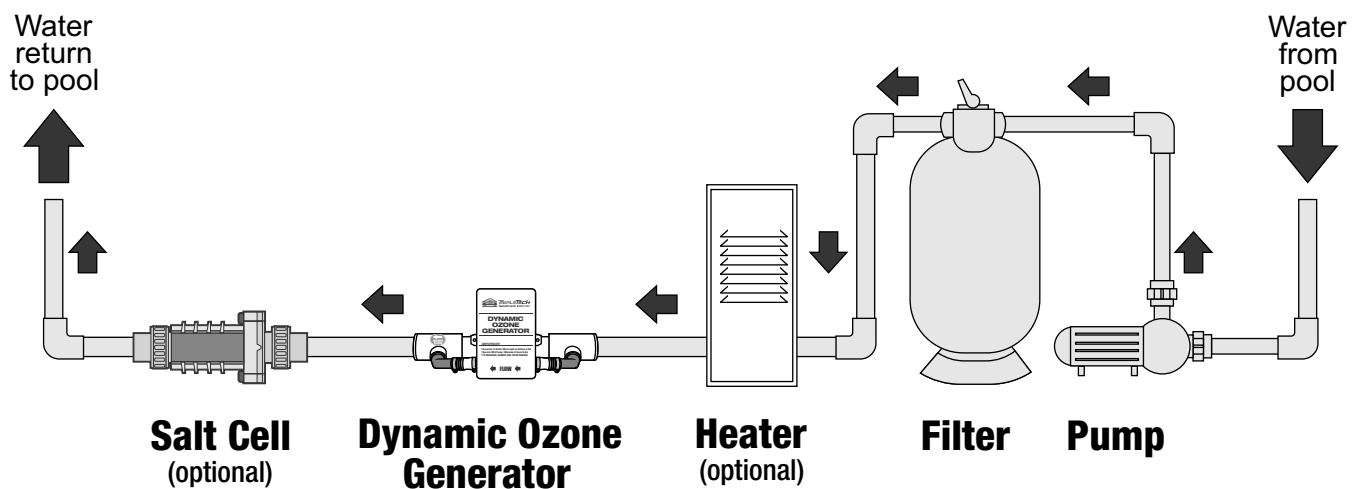
IMPORTANT:

- Do not use the TripleTech System while using **biguanide products** in your pool. Biguanide products are not compatible with any other pool chemicals and must be removed from the water before starting any other water treatment program, including the TripleTech Program.
- Do not use the TripleTech System with indoor pools or automatic covers.

SCHEMATIC FOR FLEX HOSE INSTALLATION ON ABOVEGROUND POOL



SCHEMATIC FOR RIGID PVC PIPE INSTALLATION



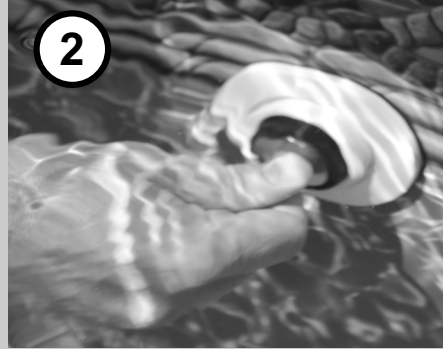
INSTALLATION FOR **FLEX HOSE** ON ABOVEGROUND POOLS WITH ANY TYPE FILTER

WARNING! DO NOT ATTEMPT INSTALLATION UNLESS ALL POWER TO POOL EQUIPMENT IS OFF

1. Turn off Pump. Unplug pump and any other equipment.
2. To prevent water flowing out of pool while installing the water skimmer and returns need to be plugged or shut off.
 - If system has shut off valves, close valves if present on equipment. (**Fig. 1**)
 - If no valves are installed, plug the skimmer and return lines with expansion plugs (**Fig. 2** and **Fig. 3**)



OPTIONAL SHUT OFF VALVE



RETURN LINE



SKIMMER

For installation on pool using Flex Hoses:

The installation of the Ozone Generator will be the same regardless of being installed on the outlet port of a Cartridge/DE filter or the outlet port of a multiport sand filter. After identifying where the water exits the filter and flows to the pool, follow instructions below..



CARTRIDGE OR DE FILTER

IDENTIFY RETURN PORT ON FILTER WHERE WATER RETURNS BACK TO POOL

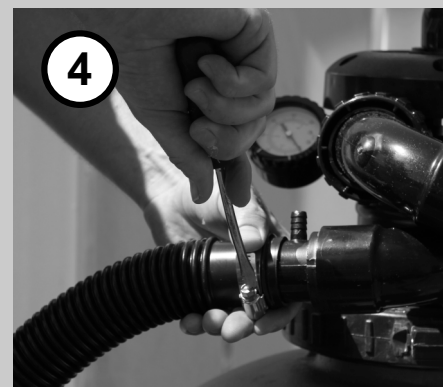
Disconnect existing flex hose
connecting equipment to the return.



SAND FILTER

Using a flat Screw Driver loosen clamp and remove the flex return hose from the return port of the Filter. (**Fig.4**)

Thread grey fitting into return to pool port
Identify proper flow direction of the
Ozone Generator to ensure water is
flowing along the same direction of arrow
on generator. (**Fig.5**)



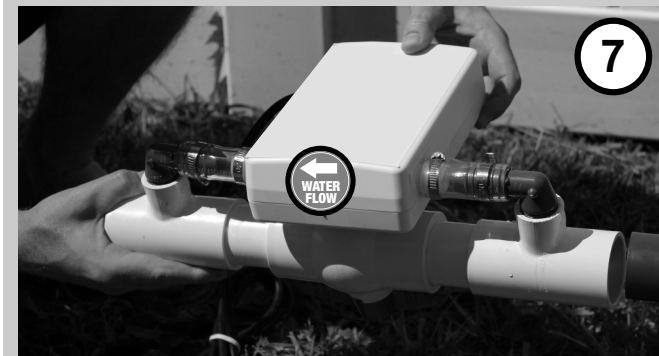
INSTALLATION FOR **FLEX HOSE** ON ABOVEGROUND POOLS WITH ANY TYPE FILTER *(contd.)*



- Thread grey adapter into filter outlet
- Using PVC primer first, coat the grey fitting and the inside of the manifold (**Fig. 6**).

Using PVC glue, coat the outside of the grey fitting and inside of the manifold. Push the manifold onto the grey fitting. **MAKE SURE TO TWIST WHILE PUSHING TOGETHER TO INSURE GLUE IS SPREAD THROUGHOUT ENTIRE CONNECTION (Fig. 6).**

Note direction of directional arrow for correct flow through system. **DAMAGE TO EQUIPMENT MAY OCCUR IF WATER FLOW IS OPPOSITE OF ARROW! (Fig. 7)**



- Using PVC primer first, coat the outside of the flex hose adaptor and the inside of the other side of the manifold. (**Fig. 8**)

- Using PVC glue, coat the outside of the slip barbed flex hose adaptor and inside of the manifold. Push the manifold onto the grey fitting. **MAKE SURE TO TWIST WHILE PUSHING TOGETHER TO ENSURE GLUE IS SPREAD THROUGHOUT ENTIRE CONNECTION. (Fig. 9)**



- Wait 10 minutes before continuing to insure glue has a chance to harden.
- Connect flex hose to hose adaptor and tighten. (**Fig. 10**)

- Remove skimmer and return plugs or open shut off valves. **CHECK FOR LEAKS.**

- Plug in and turn on pump.

- Plug in Ozone Generator into GFCI outlet and check to make sure green LED light on bottom is illuminated.

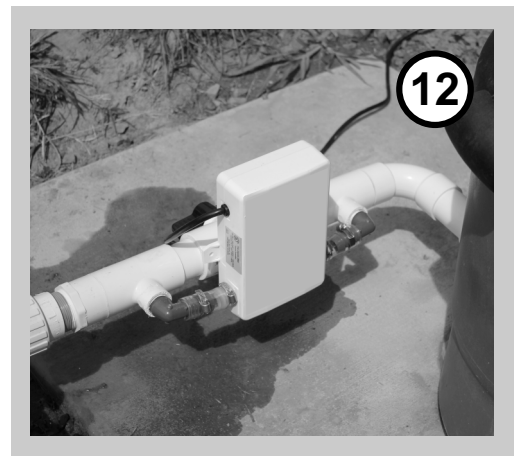


INSTALLATION FOR **PVC PIPE** ON ABOVEGROUND POOLS WITH ANY TYPE FILTER

WARNING! DO NOT ATTEMPT INSTALLATION UNLESS ALL POWER TO POOL EQUIPMENT IS OFF

All rigid PVC installations are different so you may have different requirements for the installation than outlined below.

- Identify proper flow direction of the Ozone Generator to ensure water is flowing in the same direction of arrow.
- Measure and cut PVC after pool equipment and before pool returns. (**Fig. 11**). Adding unions to the PVC connections could assist in removal for service or winterization (unions not included)
- Using PVC primer, coat the inside of the manifold and the outside of the PVC feeding into and out of the manifold.
- Using PVC glue, coat the inside of the manifold and outside of PVC feeding into manifold. Push together while twisting to ensure proper connection between the pieces (**Fig. 12**)



- Wait 10 minutes before continuing to insure glue has a chance to harden.
- Remove skimmer and return plugs or open shut off valves. CHECK FOR LEAKS.
- Plug in and turn on pump.
- Plug in Ozone Generator into GFCI outlet and check to make sure light on bottom is illuminated.

STARTUP

IMPORTANT:

Before starting equipment, test the water as you would with any pool to balance the water (to estimate the number of gallons in your pool, go to www.poolchemicalcalculator.com)

-Total Alkalinity: 80-120ppm

-pH: 7.2-7.6

-Calcium Hardness: 200-400 ppm

-Copper: less than .4 ppm

ACTIVATE EQUIPMENT: Turn on equipment so water is circulating TO THE POOL.

TREAT POOL WATER: Follow directions on User Guide

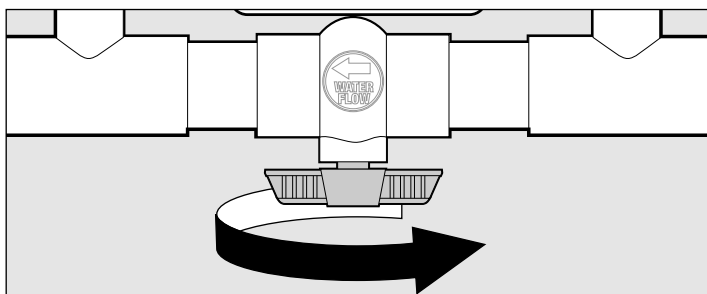
IMPORTANT!! Run the entire system (pump, filter and oxygen generator) CONTINUOUSLY FOR 48 HOURS OR LONGER UNTIL THE POOL WATER IS PERFECTLY CLEAR

MISCELLANEOUS:

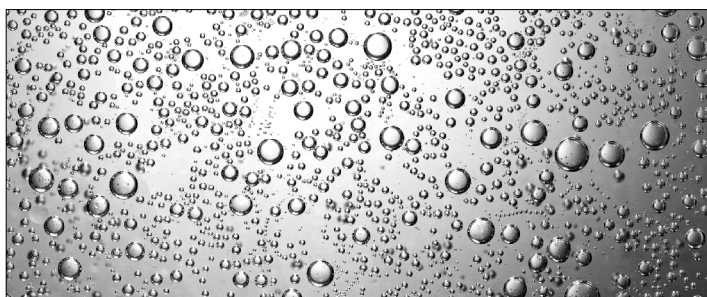
-Remove any fountain attachments on the pool return fitting. Ozonated water must be injected directly into the water. It will lose its effectiveness if a fountain fitting is used.

-Rotate the return fitting inside pool so it facing on a 45 degree angle pointed down and to one side to create a circular flow to the water inside the pool and so the oxygen bubbles are pushed lower into the water.

After equipment is turned on, turn the handle of the ball valve slowly to divert water through the Dynamic Ozone Generator.



Turn handle slowly until you hear a whooshing sound as water is diverted through the generator and bubbles begin entering the pool through the round return fitting.



Smaller bubbles are best, so make small adjustments by turning the handle slightly to achieve the smallest bubbles possible. As your filter gets dirty, you may need to adjust the valve if bubbles become very large or stop altogether.

OPERATION

DAILY:

- Run pool equipment and ozone generator a minimum of 12 hours daily, during daylight hours.
- Running the system longer will provide even better quality water. Running the system continuously will provide the highest quality water.

WEEKLY:

- Add Weekly Shock Blend.
- Add Bromine tabs every 4-6 days before previous dose is gone.

MONTHLY:

- Bring water sample to dealer to test for:
 - pH
 - Total Alkalinity
 - Calcium Hardness
 - Copper

Treat water according to test results.

- Clean filter by backwashing or washing cartridge

ANNUALLY:

- Check clear vinyl tubing and clamps on manifold to see if replacement is needed due to discoloration and degradation.
- Check inside Dynamic Ozone Generator to see if vinyl tubing and check valves need replacement due to discoloration and degradation

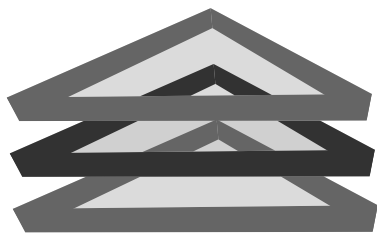
WINTERIZATION

Flex Hose:

- Plug skimmer and return. Drain Ozone Generator at the same time you drain the rest of your pool equipment.
- Remove entire manifold with generator by unclamping the flex hose from one end and unthreading the grey fitting out of the filter. Store in warm, dry place.
- Cover opening to filter.

PVC Pipe:

- Drain Ozone Generator at the same time you drain the rest of your pool equipment.
- Remove the Ozone Generator box only from the manifold by loosening the clamps on the clear vinyl hoses. Leave the rest of the manifold in place
- Pull generator and clear vinyl hoses off the rest of the manifold that is glued into the pipe. Tape the openings over open ends of the elbows.
- Store the generator, clear hoses and clamps in a warm, dry place.



TRIPLETech
Hypoallergenic Water Care

**DYNAMIC
OZONE
GENERATOR**

TripleTech Water Care
Boynton Beach, FL