

# CLEAR O<sub>3</sub>

FOR OZONE PURE WATER

## WATER PURIFYING SYSTEM

INSTALLATION MANUAL



004-027-8780-00 REV040714

US and Foreign patents and patents pending see [www.1paramount.com/about/patents/](http://www.1paramount.com/about/patents/)

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Pool Life. Simplified.

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# SAFETY INSTRUCTIONS



“IN ACCORDANCE WITH CANADIAN STANDARDS ASSOCIATION'S  
STANDARD NO. CAN/CSA - C22.2 NO. 218.1 - M89”,  
OZONE GENERATOR  
WITH RESPECT TO RISKS OF ELECTRIC SHOCK  
FIRE AND MECHANICAL INJURY ONLY  
34YZ

## **IMPORTANT SAFETY INSTRUCTIONS: READ COMPLETELY BEFORE PROCEEDING WITH INSTALLATION. SAVE THESE INSTRUCTIONS**

When using this electrical equipment, basic safety precautions should always be followed, including the following:

### **CAUTION: READ AND FOLLOW ALL INSTRUCTIONS**

#### **WARNING:**



- Follow all applicable electrical codes.
- A qualified licensed electrician should perform electrical hookup.
- Turn off power at main source before making any electrical connections or servicing the unit.
- Use only liquid-tight flexible nonmetallic conduit for electrical connections.
- A terminal marked G is located inside the supply terminal compartment. To reduce the risk of electric shock, this terminal must be connected to the grounding means provided in the electrical supply service panel with a continuous copper wire equivalent in size to the circuit conductors supplying this equipment.
- At least one lug marked “BONDING LUG” provided on the external surface of the unit. To reduce the risk of electric shock, connect the local common bond grid in the area of the pool or spa to this terminal with an insulated or bare copper conductor not smaller than 6 AWG.



#### **WARNING:**

- ALWAYS wear safety glasses when using power equipment during the installation process.
- Install at least 5 ft from pool or spa water using nonmetallic plumbing. Mount ozone generator near pool equipment at least one (1) foot above maximum water level to prevent water from contacting electrical equipment. Install in accordance with the installation instructions.
- Short-term inhalation of high concentrations of ozone and long-term inhalation of low concentrations of ozone gas can cause serious harmful physiological affects. Do not inhale gas produced by this unit. If installed in an enclosed space make sure to account for adequate ventilation.

- **UV LIGHT PRODUCED BY THIS UNIT IS HARMFUL TO THE EYES AND MAY CAUSE BLINDNESS. DO NOT LOOK DIRECTLY AT A LIT BULB!**



#### **NOTICE TO INSTALLER/OWNER:**

- Save these instructions and deliver to pool owner when installation is complete.
- Lamp contains mercury. Dispose of in accordance with local and state regulations.

## **WHAT IS OZONE AND HOW DOES IT WORK**

- Ozone is created from oxygen using a simple yet powerful system of UV bulbs, to be used as a pure shock (oxidizer) for the swimming pool.
- Ozone is injected into the pool water using the Clear O3<sup>®</sup> suction injection system, where the ozone enriched air is mixed with the water going into the pool circulation pump. This creates a dynamic environment that best mixes the air and water at high pressure as it is sent into the filter
- Once in the water, the ozone breaks down materials such as ammonia, oils, and other non-living waste that are detrimental to chlorine's function in the pool. This occurs between the pump and filter and also in the filter. Chlorine is in a group of the least stable elements and must be combined with another material to become stable. In swimming pools, this process creates the formation of combined chlorines, like chloramines, which do not sanitize and have adverse effects on human skin. Use of ozone allows the chlorine to work primarily as a water disinfectant.
- Pool water treatment can be broken down into three primary categories:
  1. **DISINFECTANT** - The killing of living organisms (virus, bacteria, algae). This consumes only 10-20% of the chlorine normally placed in a pool.
  2. **OXIDATION** - The removal of non-living waste from pool water. This consumes up to 70% of the chlorine placed in standard treated pools
  3. **RESIDUAL** - The remaining, measurable sanitizer is left in the pool as a safety net to maintain the water quality until it is brought through the pool equipment again. Usually less than 10% of the chlorine originally placed in a pool is left over as residual.

Installing a Clear O3<sup>®</sup> Water Purification system will reduce the amount of chlorine needed to maintain a pool by up to 70%.

#### **THE BENEFITS OF USING OZONE INCLUDE:**

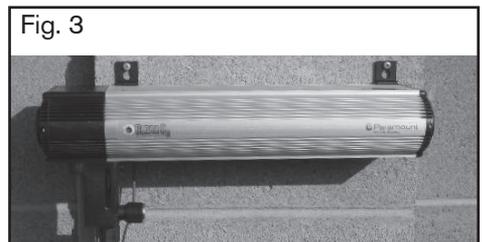
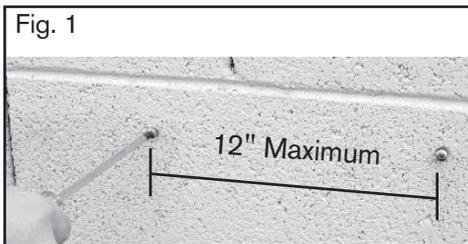
- Fewer chemicals to maintain the pool.
- Less work to maintain the pool water.
- More enjoyable water, being treated similar to bottled water.
- Longer filter cycles, and increased life for the salt chlorinator cells (if present).

# TO COMPLETE INSTALLATION YOU WILL NEED THE FOLLOWING ITEMS (NOT INCLUDED)

- (1) Six (6) feet ½" non-metallic conduit outdoor rated.
- (1) ½" conduit compression fitting.

## SELECTING LOCATION & MOUNTING UNIT

1. Select a location on a wall near the pool equipment or insert posts into the ground, which will be used to hang unit. The Clear O3® unit should be at least one (1) foot above maximum water level, and for extra safety the unit should be mounted higher than the filter. The unit should be within five (5) feet of an electrical source, and within nine (9) feet of plumbing connection. A solid surface is necessary to mount unit. Mounting brackets are horizontally adjustable to line up with hard points on the mounting surface. The unit must be mounted horizontally and level on the wall. Electrical connections should be facing downward.
2. Use provided screws and plastic wall inserts or poles and pole mount clamps (not included) depending on installation surface available.
3. Four (4) mounting brackets are included (two for the top slot and two for the bottom slot).
4. Install anchors and screws in desired location for the top hangers. They must be no further apart than twelve (12) inches. Do not tighten screws all the way. (Fig. 1)
5. Hang the Clear O3® from the two top brackets by sliding the keyhole slots over the screws.
6. Mark the location for the two bottom brackets. (Fig. 2)
7. Remove the Clear O3® from the wall and install the wall anchors.
8. Place the Clear O3® unit back on the screws and line up the two lower brackets with the wall anchors. (Fig. 3)
9. Install the bottom two screws and tighten all screws.



# MAKING ELECTRICAL CONNECTIONS

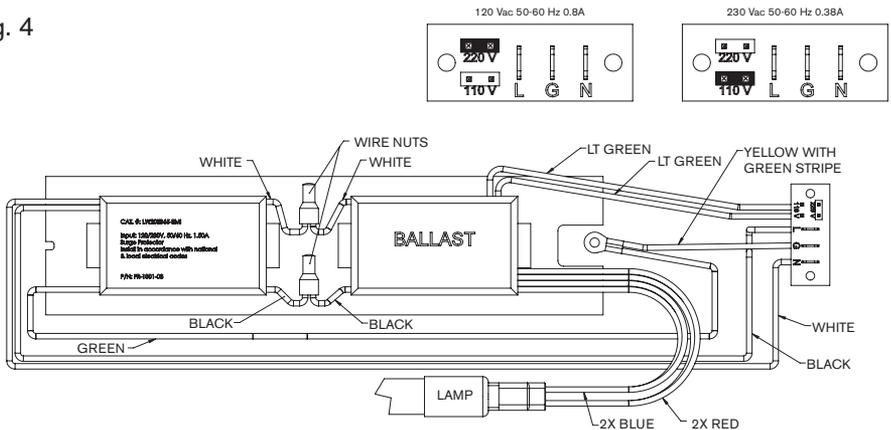
1. A licensed electrician should make all electrical connections. Make sure the unit is grounded by connecting to the pool equipments bond wire to comply with local electrical codes.
2. Turn off power to the filtration system pump at the circuit breaker.
3. Install an approved seal tight flex conduit (not included) rated for outdoor use, between the ClearO3 unit and filtration system pump time clock. Feed the free ends of the wires from the ClearO3 through the conduit and into the filter system pump time clock or equipment panel (Fig. 5A & 5B). Time clock or equipment panel must be suitable for field wiring. Electrical connections should be made in the time clock or equipment panel. **NO ELECTRICAL CONNECTIONS ARE TO BE MADE INSIDE THE CLEARO3!**
  - 3.1. The wires from the ClearO3 unit are provided to facilitate connecting to a panel board that is a maximum of 10 feet away from the unit. If longer conduit length is needed, then a Listed junction box suitable for the application may need to be added. All electrical connections need to be made in accordance with the National Electrical Code.



## WARNING:

Turn off power at main source before making any electrical connections or servicing the unit.

Fig. 4



OUTPUT  
30-60 Vac 700mA - 800mA CLASS P, TYPE  
1, RATING: A "RS" ELECTRONIC BALLAST

**INTERNAL WIRING DIAGRAM OF THE CLEARO3  
UNIT. NOT TO BE USED FOR INSTALLATION.**

Fig. 5A

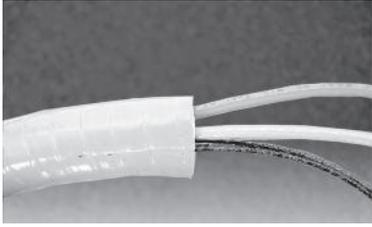


Fig. 5B



Fig. 6A

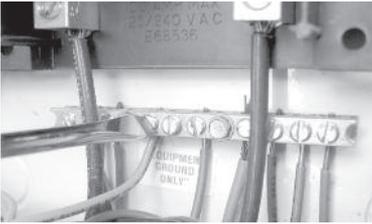


Fig. 6A – Wiring connections to be made inside time clock or electrical panel.

Fig. 6B

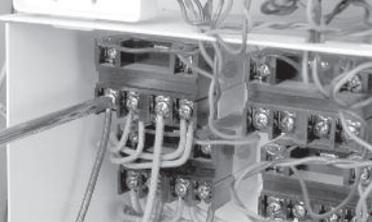


Fig. 6B – Wiring connections to be made inside time clock or electrical panel.

#### 4. Jumper Connections

- 4.1 Caution: Be sure of line voltage before connecting the ClearO3 to the power source. Connecting the ClearO3 to the incorrect voltage can cause damage to the unit. Connect green ground wire to the time clock ground bar (Fig. 6A). The Clear O3® unit is set to 240VAC to be connected to the load side (Fig. 6B) of the filtration pump time clock.
- 4.2 The ballast may be switched to 120VAC if the line voltage is 110VAC (Fig. 7A).
- 4.3 Move the black jumper from the 220VAC pins to the 110VAC pins and the white jumper to the 220VAC pins (Fig. 7B).
- 4.4 If you do not have a terminal board and the inside electrical connections look like (Fig. 8) contact Paramount for instructions on how to change the voltage.

Fig. 7A



Fig. 7B

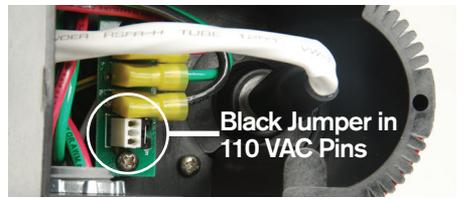
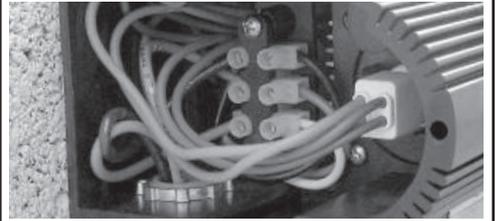
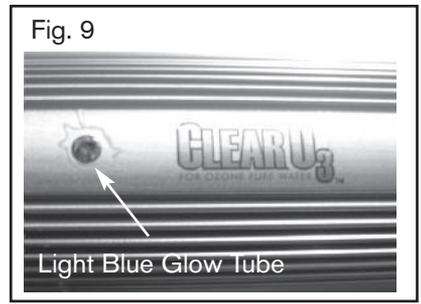


Fig. 8



The Clear O3® should run with the filter pump as the filter pump creates the air draw through the unit needed to create ozone. Do not set the Clear O3® to run when the filter pump is off and not pulling air through the unit.

5. Use external ground lug to connect the Clear O3® to the pool pump ground bond. (Fig. 5B)
6. Turn on power to filtration system pump. Check glow tube on the left front of the Clear O3®. A light blue light indicates lamp is lit and the unit should be producing ozone. (Fig. 9)



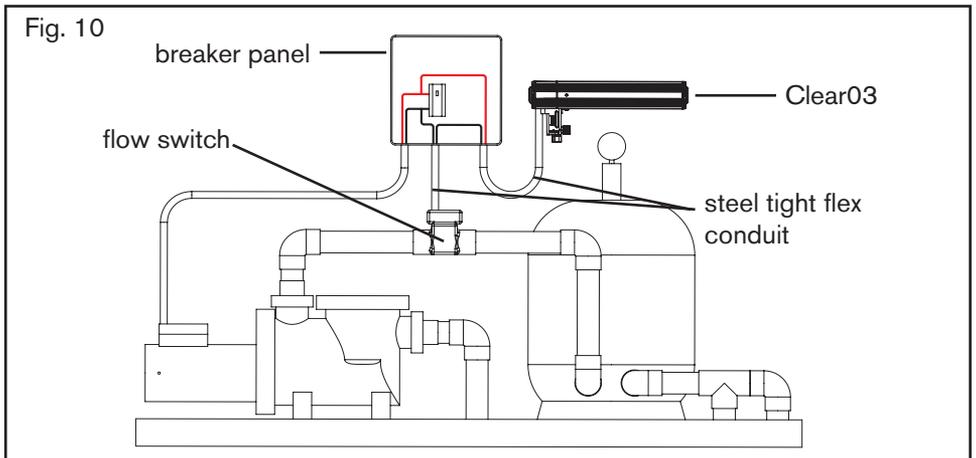
**WARNING:**

UV light produced by this unit is harmful to the eyes and may cause blindness! Do not look directly at a lit bulb!

**ALTERNATE ELECTRICAL CONNECTION FOR MULTI-SPEED PUMP WITHOUT A CONTROLLER OF TIME CLOCK**

When a pool is built without a controller or time clock for the pump and a variable speed pump is used the power input is hot all the time. The variable speed pump is turned on and off by its own internal controller. There is nothing to connect the ClearO3 to (a relay in a control panel) so it will turn on and off with the pump. When the ClearO3 is installed on these pools it does not have a way to be turned off when the pump is not operating. These pumps are available from all the major pool equipment suppliers and several small manufacturers.

Paramount has available an add-on paddle flow switch (Paramount part# 004-402-0010-00 or Grid Controls part # 57-F1-225-00W). The power is run through this switch and then to the ClearO3. The flow switch is plumbed in the main line of the pool return. When it sees flow the ClearO3 is turned on.



**THE CLEARO3 UNIT IS FACTORY SET TO 240VAC. THE CLEARO3 SHOULD BE WIRED TO RUN WITH THE FILTER PUMP WHICH CREATES THE AIR DRAW THROUGH THE UNIT NEEDED TO CREATE OZONE. DO NOT SET THE CLEARO3 TO RUN WHEN THE FILTER PUMP IS OFF.**

Fig. 11



Fig. 12

Normally open terminal.

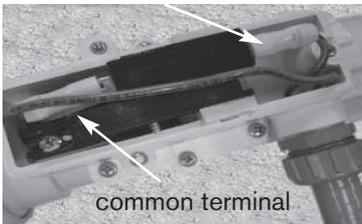


Fig. 13

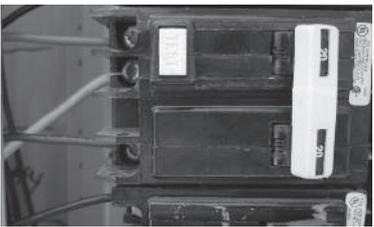


Fig. 14



1. Plumb the Flow Switch in the main header after the filter. (Fig.10)
2. A licensed electrician should make all electrical connections. Make sure the unit is grounded by connecting to the pool equipment bond wire to comply with local electrical codes.
3. Turn off power to the filtration system pump at the circuit breaker. (Fig 11)
4. Install an approved seal tight flex conduit (not included) rated for outdoor use between the breaker panel and the flow switch and between the ClearO3 and the breaker panel. (Fig. 10)
5. Connect the black leg of the ClearO3 to normally open terminal of the flow switch. (Fig. 12)
6. Connect a black wire to one of the terminals of the filter pump breaker and the other end to the power in (common) terminal of the flow switch. (Fig. 12)
7. Connect the red leg of the ClearO3 to the other terminal of the filter pump breaker if a 220V circuit (Fig. 13) or to the common bar in the electrical panel for a 120V circuit. (Fig. 14)
8. Connect the green ground wire from the ClearO3 to the ground bar in the breaker panel. (Fig. 14)

9. Use the external ground lug to connect the ClearO3 to the pool pump bond wire. (Fig. 15)
10. Turn on power to the filtration system pump. Check the glow tube on the left front of the ClearO3. (Fig. 16) A light blue light indicates the lamp is lit and the unit should be producing ozone.

Fig. 15



**NOTE: IF YOU SEE A RED OR YELLOW LIGHT THRU THE GLOW TUBE TURN OFF THE POWER IMMEDIATELY AND REPLACE THE LAMP. RUNNING THE UNIT WITH A YELLOW OR RED LIGHT WILL DAMAGE THE BALLAST.**

Fig. 16



**WARNING:**

UV light produced by this unit is harmful to the eyes and may cause blindness! Do not look directly at a lit bulb!

## MAKING PLUMBING CONNECTIONS

1. Turn off power to the filtration system pump at the circuit breaker.
2. Pump strainer pot installation: (Fig. 17)
  - 2.1 Check pump elevation above water level. Refer to (Chart 1) for proper check valve selection. The 0.5 lb valve comes standard with Clear O3® and others are available to order separately.
  - 2.2 Remove strainer pot plug. If there is an O-Ring on plug take O-Ring off of pot plug and slide over threaded end of check valve.

Fig. 17



Chart 1

Pump Elevation Above Water Level	Check Valve Rating	Part Numbers
1' (30cm)	0.5 lb	005-402-1250-00
2' (60cm)	1.5 lb	005-402-2502-00
4' (120cm)	3.0 lb	005-401-2503-00
5' (150cm)	4.0 lb	005-401-2504-00

Fig. 18

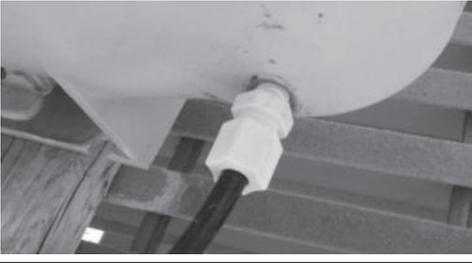


Fig. 19



Fig. 20

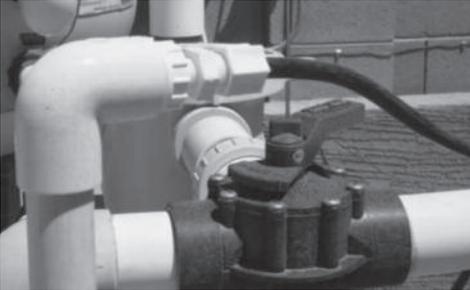
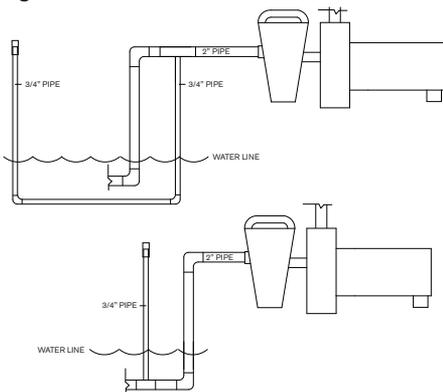


Fig. 21A

NOT TO SCALE



- 2.3 Wrap the check valve four times with teflon tape and install into the strainer pot plug-hole. Add more tape if valve does not seal. (Fig. 18)
  - 2.4 Install the combination needle valve flow meter on the bottom of the Clear O3® unit. (Fig. 19)
  - 2.5 Install 3/8" OD x 1/4" ID tubing to compression end of check valve. (Fig. 20)
3. Pre-pump standpipe installation: (Fig. 20 & 21A)
- 3.1 Cut cap off standpipe.
  - 3.2 Glue a 3/4" elbow and a 3/4" x 1/4" NPT reducer bushing on end of standpipe.
  - 3.3 Install the threaded end of the check valve included in the reducer bushing.
  - 3.4 Install 3/8" OD x 1/4" ID tubing to barbed end of check valve. (Fig. 20)

#### 4. OPTIONAL SUBMERGED EQUIPMENT INSTALLATION (FIG. 21B)

To complete this installation option you will need a two way valve not included.

- 4.1 Install the two way valve on the inlet pipe to the pump suction. (before the standpipe if installed)
- 4.2 Make all other connections before the two way valve.
- 4.3 Make tubing connections to the pump pot or standpipe as in standard pump above water level installation.
- 4.4 Start the pump with the valve fully open.
- 4.5 Note the filter pressure. Then close the valve slightly until the pressure on the filter drops two or three psi.
- 4.6 Go to setting the airflow on page 16 to finish setting airflow. The slight restriction this creates on the pump is the same as if it was set at approximately one foot above water level and allows the pump to draw air in at the pump pot or standpipe. (Fig. 21B)

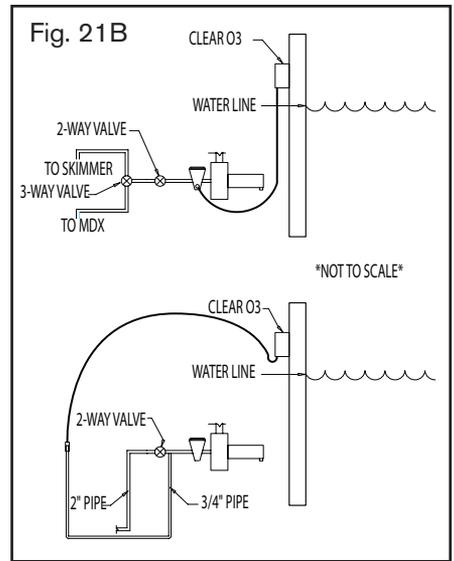


Fig. 22



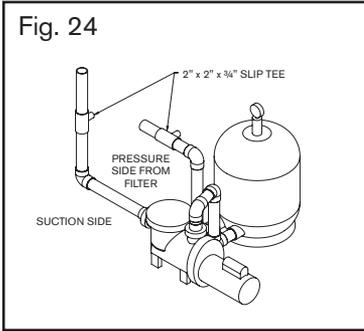
5. Lay the 3/8 tubing along desired route to the compression fitting on the combination needle valve flow meter on the Clear O3® unit.
6. Connect the tubing to the compression fitting. (Fig. 22)
7. Use the provided wires ties to tie the loose tubing to the conduit or plumbing. (Fig. 23)

Fig. 23



# OPTIONAL SUBMERGED EQUIPMENT INSTALL

Fig. 24



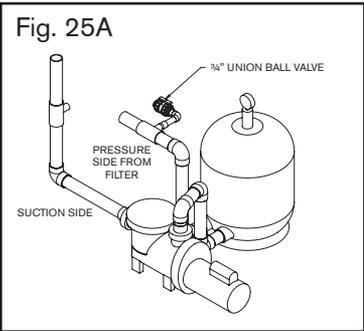
New Installation using Paramount venturi installation kit.

**TO COMPLETE THIS INSTALLATION YOU WILL NEED THE FOLLOWING ITEMS (NOT INCLUDED)**

- (2) 2" X 2" X 3/4" SLIP TEE
- (1) 3/4" X 3/4" UNION BALL VALVE
- (2) 2" VALVES 3/4" FITTINGS AND PIPE
- (2) 3/4" UNIONS

**NOTE: 3/4" PLUMBING CAN BE 2" IF NEEDED FOR STRENGTH**

Fig. 25A



1. Install two ea. 2" valves, and two each 2" X 2" by 3/4" slip tees. One valve and one slip tee on the suction side of the pump and one slip tee and valve on the return side of the pump (before the heater). (Fig. 24)
2. Plumb 3/4" slip tee PVC from pressure side tee into a union ball valve. (Fig. 25A)
3. Plumb 3/4" PVC from the ball valve into the inlet side of the venturi (coming from the return line after the filter before the heater if it has one.) (Fig. 25B)
4. Plumb 3/4" PVC from the suction side tee to a ball valve and union and then into the outlet side of the venturi. Note: The venturi must be level and removable for cleaning. The flow arrow on the venturi must point to show the flow to the suction side of the pump. (Fig. 25B)

Fig. 25B

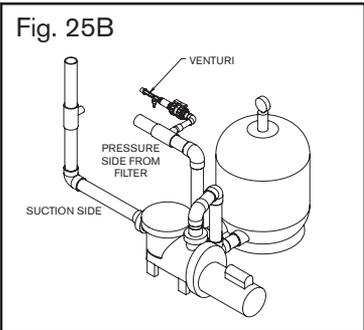


Fig. 26A

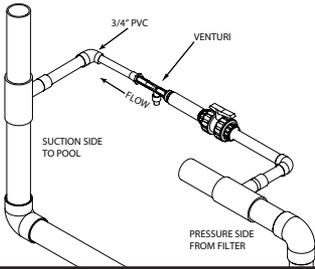


Fig. 26B

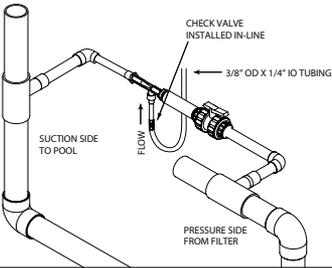


Fig. 27 **NOTE: CLEAR O3 MUST BE MOUNTED 1' ABOVE WATER LEVEL**

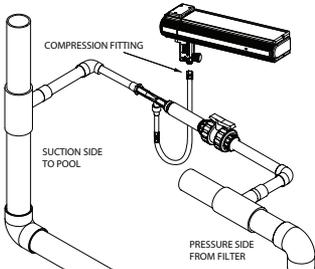
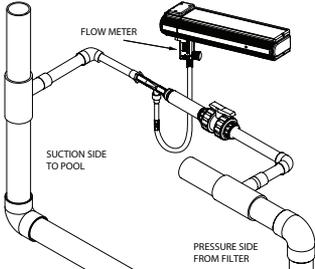


Fig. 28 **NOTE: CLEAR O3 MUST BE MOUNTED 1' ABOVE WATER LEVEL**



5. Connect a short piece of 3/8" OD X 1/4" ID tubing on the barbed end of the venturi.
6. Connect the 1/4" barb in line check valve to the short piece of tubing. Note: The correct direction of flow through the check valve (Fig. 26A & 26B).
7. Connect the rest of the 3/8" tubing to the other end of the barbed in line check valve.
8. Connect the tubing to the compression fitting. (Fig. 27)
9. Connect the compression fitting to the flow meter. (Fig 28)

# PLUMBING FOR THE CLEAR03 USING THE VENTURI INJECTOR METHOD

The injector manifold must be installed in the pool's main return line after the pool filter, heater, chlorinator and spa return. (Fig. 29A) shows the basic installation. Locate the appropriate section of the return line and install the injector manifold using PVC primer and glue on all mating surfaces. Glue in a minimum 2" return line. Water flow arrows on the manifold must be followed and the injector needs to be facing up with the bypass down. See Fig. 29A & 29B.

The Clear03 ozone suction line will hook directly up to the bottom of the Clear03 and the other end to the injector with the check valve provided with the Clear03. No flow meter is needed or provided.

**NOTE: THE CLEAR03 UNIT MUST BE MOUNTED AT LEAST 1' ABOVE POOL WATER LEVEL TO PREVENT WATER FROM CONTACTING ELECTRICAL EQUIPMENT.**

Fig. 29A

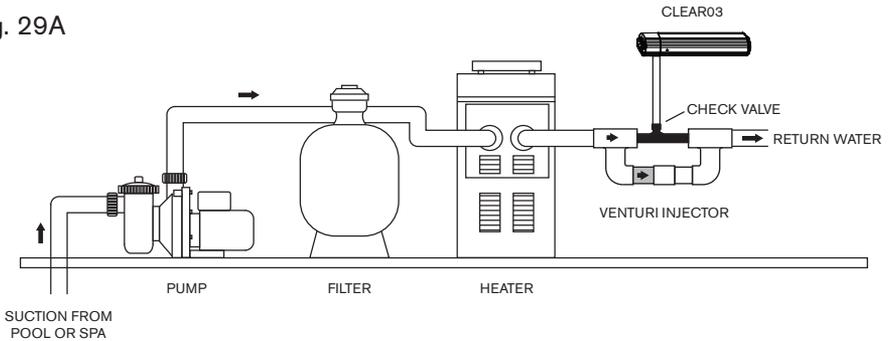
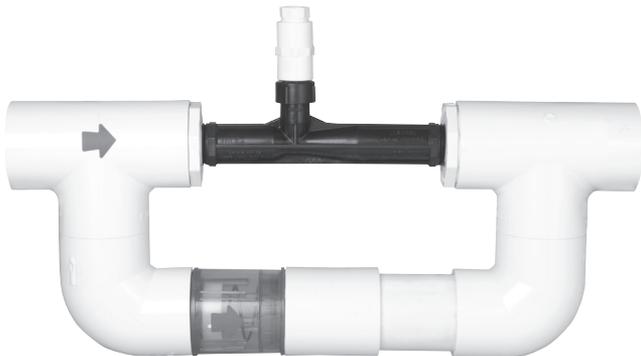


Fig. 29B



## SETTING AIR FLOW

Fig. 30



1. Clean filter and pump basket before setting airflow.
2. Turn the knob on the needle valve/flow meter clockwise to close valve completely.
3. Turn the power on to the pump.
4. Turn the knob on the needle valve/flow meter counter clockwise until the ball reads in the middle of the two lines on the flow meter. (Fig. 30)

**NOTE:** From time to time condensation may collect in the flow meter, especially in moist climates or following a rain storm. The moisture may cause the orange ball to become stuck. The flow meter is not broken. The water will eventually dry up and the ball will begin to float again. To check draw to the pump look for air bubbles entering the pump pot.

### IMPORTANT NOTES REGARDING THE FLOW METER:

1. IF THE PUMP THAT THE CLEAR O3® UNIT IS INSTALLED ON IS A PUMP RUNNING A PARAMOUNT IN-FLOOR SYSTEM, lock the water valve on pause (the pause control is located on top of the Paramount water valve) when the valve is switching ports and therefore at it's maximum flow. Set the flow meter so the ball is on the upper line of the "normal" range.
2. WHEN USING MULTIPLE SPEED PUMPS, SET THE FLOW METER WITH THE PUMP RUNNING ON THE HIGHEST SPEED THAT WILL BE USED.
3. The Clear O3 flow meter is very sensitive and the red ball may drop down below the 'normal' marker after it has been set. If this happens on your unit, please be aware that this is normal. The flow meter will still deliver the proper amount of ozone as long as the blue light is on. You do not need to reset the flow meter until after you clean your filter.

## EXTERNAL SAFETY AIR BLEED KIT INSTRUCTIONS (OPTIONAL)

Sometimes the internal air bleed on the filter is not sufficient to handle the extra air in the system with an ozonator installed. An External Safety Air Bleed Kit (006-402-3872-00) (Fig. 31) for in-ground swimming pools is available to remove excess air from the filter and send it downstream (up to 15') past all equipment. After installing always

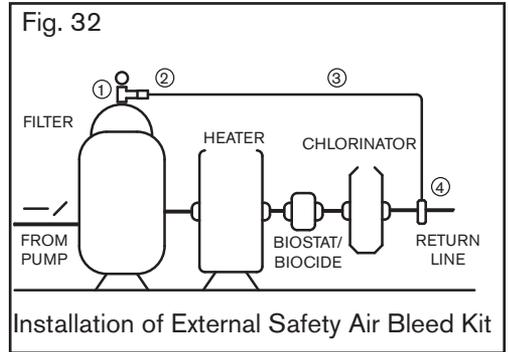
Fig. 31



test per instructions that air is vented from the filter when the pump is running. You must install an external air bleed if the filter is old, does not have an internal air bleed, there is a solar system on the pool or there is a robotic pressure side cleaner.

## MOUNTING INSTRUCTIONS

1. Turn the power off to the pump.
2. Remove the pressure gauge from the filter.
3. Install the nipple into one end of the brass tee.
4. Install the pressure gauge by threading into the other end of the brass tee supplied.
5. Install the tubing compression fitting by threading into the side of the brass tee.
6. Install the tee assembly by threading into the hole where you removed the pressure gauge (Fig. 32).
7. Insert one end of the tubing into the compression fitting (Fig. 32).
8. Turn the power on to the pump and check that air is coming from the other end of the tubing.
9. Turn the power off to the pump.
10. Pick a spot on the return pipe downstream of all other devices (heater, chlorinator, pressure cleaner, etc.)
11. Drill a 7/16" hole through the return pipe at the location selected.
12. Install the saddle clamp with the fitting over the hole. Make sure the gasket is in place between the fitting and the pipe. (Fig. 32)
13. Lay the tubing along the return pipe to the saddle clamp fitting and cut off excess length.
14. Connect the end of the tubing to the compression fitting on the saddle clamp (Fig. 32). The tubing can be secured to the pipe using cable ties (not included).



## BULB REPLACEMENT

### NOTE:

Ozone production from direct UV light will decline over time. UV bulbs continue to illuminate after they stop producing an effective level of ozone to clean your pool water. To make sure your pool continues to receive all the benefits of ozone, Paramount recommends that you replace your bulb every three (3) years.



### WARNING:

- Turn off power at main source before making any electrical connections or servicing the unit.
- UV light produced by this unit is harmful to the eyes and may cause blindness! Do not look directly at a lit bulb!

1. Turn the power off to filtration system pump at circuit breaker.
2. Remove three screws in left end side cap labeled “electrical connections”. (Fig. 33)
3. Remove side cap. (Fig. 34)
4. Grasp light bulb plug and pull light out about one inch. (Fig. 35)
5. Remove plug from light bulb. (Fig. 36)
6. Pull light bulb free from Clear O3® unit. (Fig. 37)
7. Make sure gasket is in place on replacement light bulb.
8. Align with key and slide into hole until bulb seats firmly and completely into unit. (Fig. 38)
9. Press plug onto light bulb.
10. Replace side cap and three screws.
11. Turn on power to filtration system pump.
12. Check glow tube on the left front of the Clear O3®. A light blue light indicates lamp is lit and the unit should be producing ozone.

Fig. 33



Fig. 36



Fig. 34

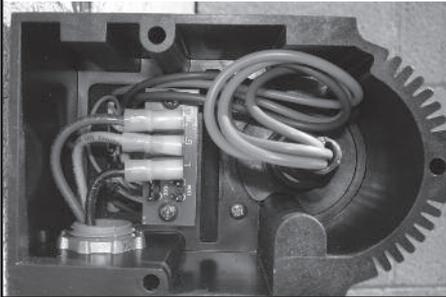


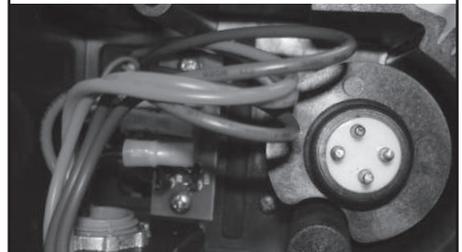
Fig. 37



Fig. 35



Fig. 38



## TROUBLESHOOTING & SERVICE

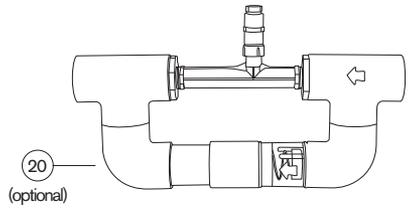
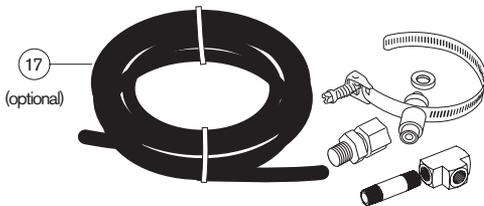
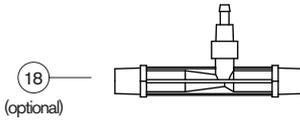
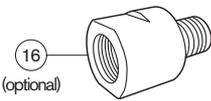
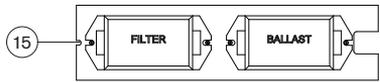
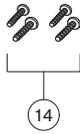
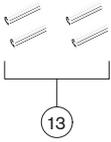
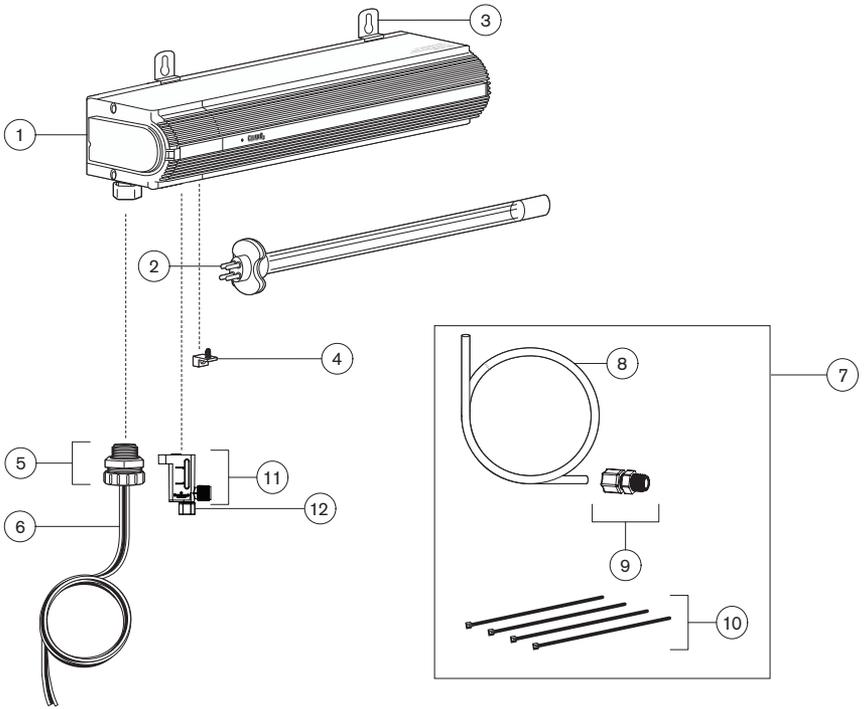
ISSUE	SOLUTION
No air bubbles entering system or pool	Clean filter then adjust airflow needle valve
Filter empties and pump loses prime	Replace check valve fitting at strainer pot
Light bulb does not light	Check power to Clear O3®, then replace bulb

### RESETTING THE BALLAST AFTER A BULB FAILURE OR POWER OUTAGE

The Clear O3 ozone unit has a safety mode that shuts the ballast down when the UV bulb fails or there is a power outage. To reset the ballast, you must turn off the power to the unit for 10 minutes to allow it to automatically reset.

On some multi speed pumps that feed power to the unit, you may need to shut off the pump circuit breaker to do this. If when you turn the power back on (with the pump running) and the Clear O3 still does not light up, then follow these steps for bulb replacement:

1. Turn off the power to the Clear O3 (which may be connected to the pump or its own power source) on some multi speed pump you will have to shut off the circuit breaker.
2. Unscrew the three access plate screws.
3. Unplug and remove the bulb.
4. Replace with a new bulb and plug back in. Replace the cover plate.
5. Restore power to the unit after 10 minutes. If the UV bulb does not illuminate replace the ballast.



# CLEAR O3 PART NUMBERS

ITEM	PART NUMBER	DESCRIPTION
<b>SINGLE UNIT</b>		
1.	004-402-3880-00	Clear O3® Single Assembly
2.	005-402-3834-00	Lamp
3.	005-402-3820-00	Mounting Brackets (4Pk)
4.	**	Ground Lug
5.	005-402-1384-00	Conduit Compression Fitting 1/2"
6.	**	Wiring Harness 3-Wire 12 Gauge x 6'
7.	005-402-3361-00	Tubing With Check Valve Pump Mount, & Wire Ties
8.	**	Tubing 3/8" OD x 1/4" ID x 10'
9.	**	Pump Mount Check Valve 1/4" NPT x barb
10.	**	Wire Ties (4Pk)
11.	005-402-3247-00	Flow Meter Kit
12.	**	Compression Nut 1/4" x 3/8"
13.	**	Anchor #10
14.	**	Screw: 10 x 3/4" PHIL PH
15.	005-402-1050-00	Clear O3 Adapter Pot Plug (Optional)
16.	005-402-3824-00	Ballast & Filter
<b>AIR BLEED</b>		
17.	006-402-3872-00	Clear O3 Air Bleed Kit (Optional)
18.	005-252-3250-00	Venturi Injector Kit (Optional)
19.	005-402-1242-00	Check Valve In-line Barb for Venturi Installations
20.	004-402-3873-00	Pressure Side Mazzie Injector Manifold

\*\* Not available to purchase individually



## Clear O3™ Warranty Certificate

In compliance with the Magnuson-Moss Warranty-Federal Trade Commission Act (Public Law 93-0637, Paramount Pool & Spa Systems (PP&SS) provides the following limited warranties.

### CONDITIONS

This limited warranty shall be subject to the original owner complying with the following conditions:

PP&SS warrants to original owner, materials, and equipment to be free of defects for a period of two (2) years from the date of swimming pool start-up or retail purchase. The materials, parts and/or related component parts supplied or distributed by PP&SS are covered under this two (2) year limited warranty. (PVC plumbing installed, labor, material and all other work performed by contractors is not covered under PP&SS Warranty.) PP&SS offers in field warranty service through a network of authorized Warranty Service Stations (W.S.S.) for one (1) year from the date of swimming pool start-up or retail purchase. This warranty service must be arranged through your builder or retailer with Paramount. There is no reimbursement for any labor charges incurred outside of the Paramount W.S.S. network.

Replacement parts are warranted for a period of one (1) year from date of purchase and are not sold with any field service program.

### REPLACEMENT CONDITIONS

Contact PP&SS for an RMA number, and return it to PP&SS. Ship part in question freight pre-paid, and upon confirmation of defect, PP&SS will repair or replace the PP&SS warranted item at no charge to the original owner. The repaired or replaced PP&SS item will be returned to the original owner with the return freight paid by original owner. Labor to re-install the repaired or replaced item is the sole responsibility of the owner.

### LIMITATIONS

No warranty extends to any part of the PP&SS parts or components which is caused by any of the following conditions or events:

1. Defects or failures caused by abuse, lack of responsible care, lack of necessary maintenance, improper operation, vandalism, acts of God.
2. Damages or failures caused by abuse, lack of responsible care, lack of necessary maintenance, improper operation, vandalism, acts of God.
3. PP&SS expressly denies any responsibility or liability for incidental or consequential damages arising out of, or as a result of, use or ownership of your PP&SS parts or as a result of use or ownership of your PP&SS parts or components, or other related products covered under this limited warranty.
4. Any defects caused by acts of God, such as storms, earthquakes, ground movement, or freezing, etc., that are beyond the normal conditions.
5. Installation of the PP&SS System by a non-authorized installer may render this warranty null and void.

Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you. Implicit warranties are limited in duration to the duration of the written limited warranty here within. Some states do not allow limitations on how long an implied warranty lasts, so the above limitations may not apply to you. This warranty gives you specific legal rights, and you may also have other rights that may vary from state to state.

Paramount Pool & Spa Systems (PP&SS) | 295 E. Corporate Place, Suite 100 | Chandler AZ 85225 | 1.800.621.5886 | 1Paramount.com

U.S. and Foreign patents and patents pending go to: [www.1paramount.com/about/patents/](http://www.1paramount.com/about/patents/)

004-027-7997-00 REV060914



A one (1) year warranty on Clear O3® parts shall be subject to the original owner, as stated in the "Other Related System Parts and Replacement Parts Limited Manufacturer's 1-Year Warranty."

### POOL OWNER INFORMATION

---

Name: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_

State: \_\_\_\_\_

Zip Code: \_\_\_\_\_

Telephone: \_\_\_\_\_

Fax: \_\_\_\_\_

E-mail: \_\_\_\_\_

Pool Start-Up Date Purchased: \_\_\_\_\_

Type of Pool (check one):     Concrete     Vinyl     Fiberglass

Type of Pool System (check one):

PCC 2000     PV<sup>3</sup>     Cyclen     Pool Valet

Vanquish     Vantage     EcoPool

### POOL BUILDER INFORMATION

---

Name: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_

State: \_\_\_\_\_

Zip Code: \_\_\_\_\_

When complete, remove this page, fold, stamp and return to Paramount Pool & Spa Systems.

295 East Corporate Place, Suite 100 • Chandler, AZ 85225

Fax: 480.753.3397

E-mail: [Paramount@1Paramount.com](mailto:Paramount@1Paramount.com)

Web: [www.1Paramount.com/products/warranty.php](http://www.1Paramount.com/products/warranty.php)

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295 East Corporate Place, Suite 100  
Chandler, AZ 85225