

# OZONE GENERATOR INSTALLATION INSTRUCTIONS

## Applies to the following manufacturers models:

34-2720-50-K	34-2720-100-K	34-2720-150-K	34-2721-50-K
34-2721-100-K	34-2721-150-K	34-2722-50-K	34-2722-100-K
34-2722-150-K	34-2820-50-K	34-2820-100-K	34-2820-150-K
34-2821-50-K	34-2821-100-K	34-2821-150-K	34-2822-50-K
34-2822-100-K	34-2822-150-K		

### Kit Items Included:

Ozone Generator, 6'  
Tubing, Check Valve,  
Clamps & Wire Nuts



### Tools Required:

Pliers, Knife

**ATTENTION!** This product should be installed by a qualified electrician or pool/spa technician. If you are not qualified or do not have the skills to install this product correctly **STOP** and contact a local pool/spa professional.

Damaging the product by dropping, altering, removing cords, connecting to a wrong power source, and/or allowing water intrusion will void product warranty.

This product contains no serviceable parts. **DO NOT** attempt to open, service, or repair this appliance.

**⚠ WARNING!** **SHOCK HAZARD! DO NOT** open the product cabinet or attempt to modify it as the generator produces extremely high voltage and can cause serious injury or death.

**⚠ WARNING!** This product must be located at a safe distance from the water's edge or be located within a cabinet enclosure making it completely inaccessible to the spa occupant. Consult National, State, Provincial, and Local Electrical and Building Codes to determine a proper mounting location.

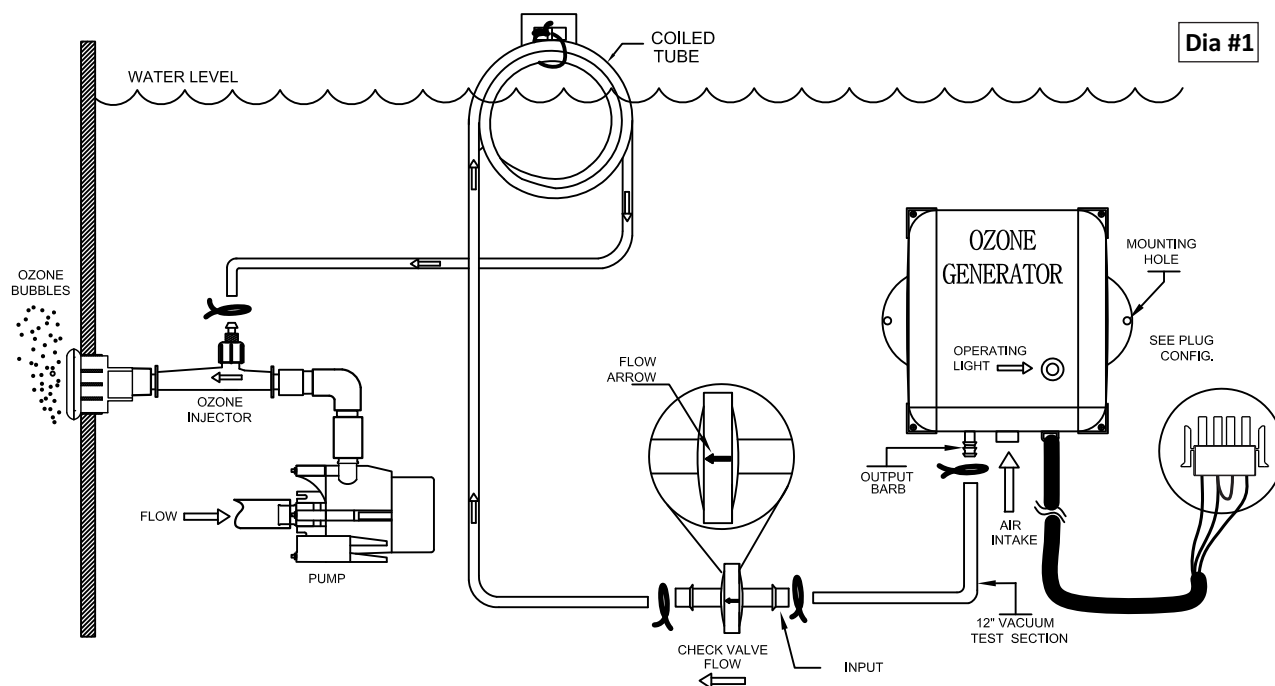
## STEPS FOR A SUCCESSFUL INSTALLATION

1. Read through the instructions completely before performing any work. Confirm that all kit items are included to complete installation.
2. Inspect for shipping and handling damage. **DO NOT install if the cord, connectors, or Ozonator appears to be damaged.**
3. Confirm you are installing the correct voltage Ozonator by reviewing the data label information.
4. Turn the power off at the spa's main breaker.
5. Mount the Ozonator in the location designated by Spa MFG or in the location where the old one was removed. **DO NOT mount the Ozonator to equipment floor, outside the spa, or a wet area.**

**ATTENTION!** NEC/USA and CE/Canadian electrical codes require the Ozone to be located a minimum of 5 feet away from the water's edge or placed within a cabinet, making it impossible for the spa occupant to touch it while bathing.

6. Cut a 12" length of tubing to use for "Vacuum Testing" and clamp to the Check Valve input. (Dia #1)
7. Coil the remaining tubing and clamp one side to the Check Valve Output and the other side to the Ozone Injector

**ATTENTION!** If the check valve is installed backwards, the Ozone gas will not flow to the injector and/or water may enter the Ozone generator causing permanent damage and voiding the product warranty. It is important to follow diagram #1 in detail for proper tubing connections and correct flow direction.



8. Attach the coiled tube to the spa frame above the water level (ref. Dia #1)
9. Reset the spa's power breaker to "ON" and run the water pump connected to the ozone injector. Confirm positive vacuum using these 3 simple tests while the pump is running:
  - a. Place your thumb over the open end of the 12" tube test section and confirm a slight vacuum is present (If you can measure, the optimum vacuum flow is between 2L-3L/hour).
  - b. Remove your thumb and confirm Ozone bubbles are entering the spa.
  - c. Run the pump in both ON and OFF mode and confirm that water does not pass through the check valve and collect in the 12" Vacuum Test section of tubing.
10. If A-C test conditions are good, turn the spa breaker "OFF" and clamp the open-ended tube to the output barb on Ozonator.



11. Connect the Ozone Generator to the controller or complete plan "B", and turn spa breaker back on.
12. Set spa control to run the pump and start the Ozonator. The Ozonator operating light will display confirming that the Ozonator has power and is working. Once again confirm that bubbles are entering the spa water. Replace spa cabinet door or siding.

## WARRANTY GUIDELINES

All warranty claims and product returns must be handled through your product provider (no exceptions). Products determined to have shipping or installation damage, alteration, signs of water intrusion, missing parts, out of the warranty period, or with missing product label containing serial code and date will not be considered for warranty.