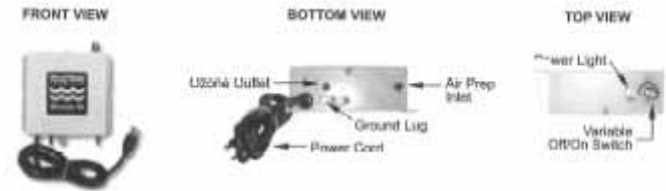


## ACCESSORIES



## OZONE GENERATOR



## SAFETY WARNINGS

- Read and follow all instructions
- Save these instructions
- Before attempting any electrical connections, be sure all power is off at the main circuit breaker.
- Install all electrical equipment at least five feet from any open body of water using non-metallic plumbing.
- Install check valves and a Hartford Loop to prevent water from contacting the electrical equipment.
- Be sure to bond (ground) the system using the copper bonding lug on the bottom of the ozone generator. The system should be bonded with solid copper wire confirming with all local, state and national electrical codes.

Two Aspects of a RK2 Systems ozone generators that represent potential dangers, ozone gas and high voltage electricity.

**OZONE GAS – WARNING:** Low concentrations of ozone can cause irritation to the eyes, throat and respiratory system.

**HIGH VOLTAGE – WARNING:** RK2 Systems ozone generators operate at high voltages. If contact is made with operation high voltage components electric shock will occur.

## **UNPACKING**

Compare the ozone system equipment to packing list provided. Before beginning any installation procedures, thoroughly inspect all components for damage. If damage is noticed, promptly notify the freight carrier and request an on site inspection. Inspect all packing materials for small parts before discarding.

## **EQUIPMENT PLACEMENT**

- When placing ozone system components, make sure to consider safety, maintenance requirements, local building and fire codes.
- To determine the most favorable placement, the following should be considered:
  - Located *downstream* of all other existing water system components.
  - Located *upstream* of the residual sanitizer injection point (if so equipped).
  - The pH adjustment chemical injection point should be located *downstream* of the residual sanitizer injection point (if so equipped).
  - Location of the ozone generator should be no more than 8 feet from the point of use.
  - Adequate protection from weather, dust and excessive heat. Ambient temperature range: 20F to 85F continuous.

**Note:** Equipment installed in extreme environmental conditions will void manufactures warranty.

## INJECTION METHOD INSTALLATION

- Step 1:** Mount the RK2 300mg ozone generator to a suitable flat surface, using the two self-tapping screws provided. **Note:** The distance from the RK2 300mg to the injection port should be no more than 8 feet.
- Step 2:** Attach one end of the supplied tubing to the ozone outlet port of the RK2 300mg and secure with a hose clamp provided.
- Step 3:** Coil the tubing to create a "Hartford Loop" above the water line. Insert the check valve provided at the highest point of the Hartford Loop (see Figure 3). Determine orientation of the check valve by blowing through it, flow should be directed to the point of use.
- Step 4:** Attach the other end of the tubing to the injection port and secure with the hose clamp provided.
- Step 5:** Plug the RK2 300mg into a suitable outlet. **Note:** All equipment wiring and grounding must comply with all local electrical codes.

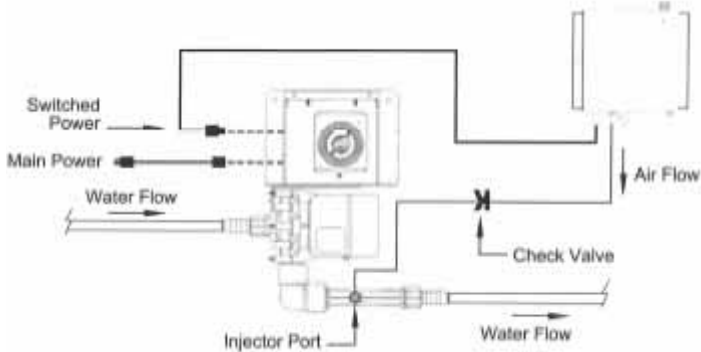
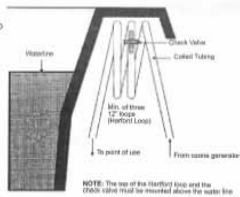


Figure 3  
Shown: Hartford Loop



**NOTE:** The top of the Hartford Loop and the Ozone Valve must be installed above the water line.

## **START-UP**

- The RK2 300mg ozone generator is equipped with a 0 to 100% variable OFF/ON switch. Depending on the amount of ozone required you may adjust the ozone output control switch counter clockwise for a minimum output or off and clock wise for maximum output.
- The ozone generator is equipment with a main power indicating light next to the variable switch. This light will be illuminated when the switch is not in the off position.
- The ozone generator will not produce ozone until airflow is initiated.

## **MAINTENANCE**

Disconnect power from unit before any maintenance procedures.

- Check valve – replace diaphragm check valve, annually.
- Reaction chamber – replace the reaction chamber every 3 years.

## **SPECIFICATIONS**

- Electrical – 120VAC 60Hz 0.2a, 220VAC 50Hz 0.1a
- Dimensions – 6¼" x 5¼" x 2"
- Weight – 1.9 pounds