



Ozone System

Installation and Owner's Manual

**Corona Discharge
RK2500 MG
Ozone Generator**

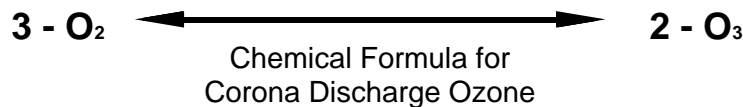
**421A South Andreasen Drive
Escondido, CA 92029
(760) 746-7400**

IMPORTANT SAFETY INSTRUCTIONS

1. **PLEASE FOLLOW ALL INSTALLATION INSTRUCTIONS.**
2. All electrical connections should be made by a licensed, qualified electrician.
3. Before attempting any electrical connections, be sure all power is off at the main circuit breaker.
4. Install the ozone generator using nonmetallic plumbing.
5. Install the provided ozone check valves to prevent water from contacting the electrical equipment.
6. The electrical supply for this product must include a suitably rated switch or circuit breaker to open all ungrounded supply conductors to comply with Section 422-20 of the National Electrical Code, ANSI/NFPA 70-1987. This means of disconnecting the equipment must be readily accessible to the operator.
7. Be sure to bond (ground) the system using the copper bonding lug on the bottom of the system. The system should be bonded with solid copper wire conforming with all local, state and national electrical codes.
8. Ambient temperature around the equipment should be between 40° and 100°F (4.5° to 38°C). If the equipment is installed in an environment with temperatures over 100°F, additional air cooling must be provided. Installation without additional air cooling in an environment where temperatures exceed 100°F for any continuous 24-hour period will void the warranty.
9. The system should be sized appropriately for its intended use by a qualified professional familiar with the application. This equipment must be validated by the manufacturer for its intended use.
10. **SAVE THESE INSTRUCTIONS.**

CORONA DISCHARGE (CD) OZONE SYSTEMS

Ozone is manufactured in the CD ozone generator by drawing in air, which is composed of 20% oxygen (O₂), and exposing it to multiple high voltage electrical discharges. This causes the oxygen molecules to dissociate and reassemble as ozone (O₃). The ozone is drawn into the water by an injector/mixer, killing any bacteria, viruses or mold spores it contacts. Ozone is generated on-site, eliminating the need to store toxic and corrosive chemicals. The corona discharge method is the most efficient way to produce large amounts of ozone.



RK2 Systems' ozone systems are built with the finest components available. All are air cooled and use a venturi injection system to create the best possible contact and mixing of ozone while maintaining a high level of safety.

In contrast to the ultraviolet ozone generators, corona discharge systems produce a much higher concentration of ozone and in much larger quantities. In addition, the annual expense of replace lamps and checking ballasts is unnecessary with corona discharge systems. Corona discharge ozone generation is the most economical and effective method to use on large, commercial water applications.

UNCRATING and INSPECTION

Freight Inspection

All equipment should be thoroughly inspected immediately upon delivery. If any damage is noticed, promptly notify the freight line and request an on-site inspection. Thoroughly inspect all packing materials prior to discarding. Inspect all plumbing fittings and tubing for packing material inadvertently lodged in any openings.

PRODUCT DESCRIPTION

RK2 systems' corona discharge ozone system consists of three main components:

- **Ozone Generator**
- **Built in Air Preparation**
- **Venturi Injector Manifold**

The optional equipment which can be used with the ozone generator on larger installations includes:

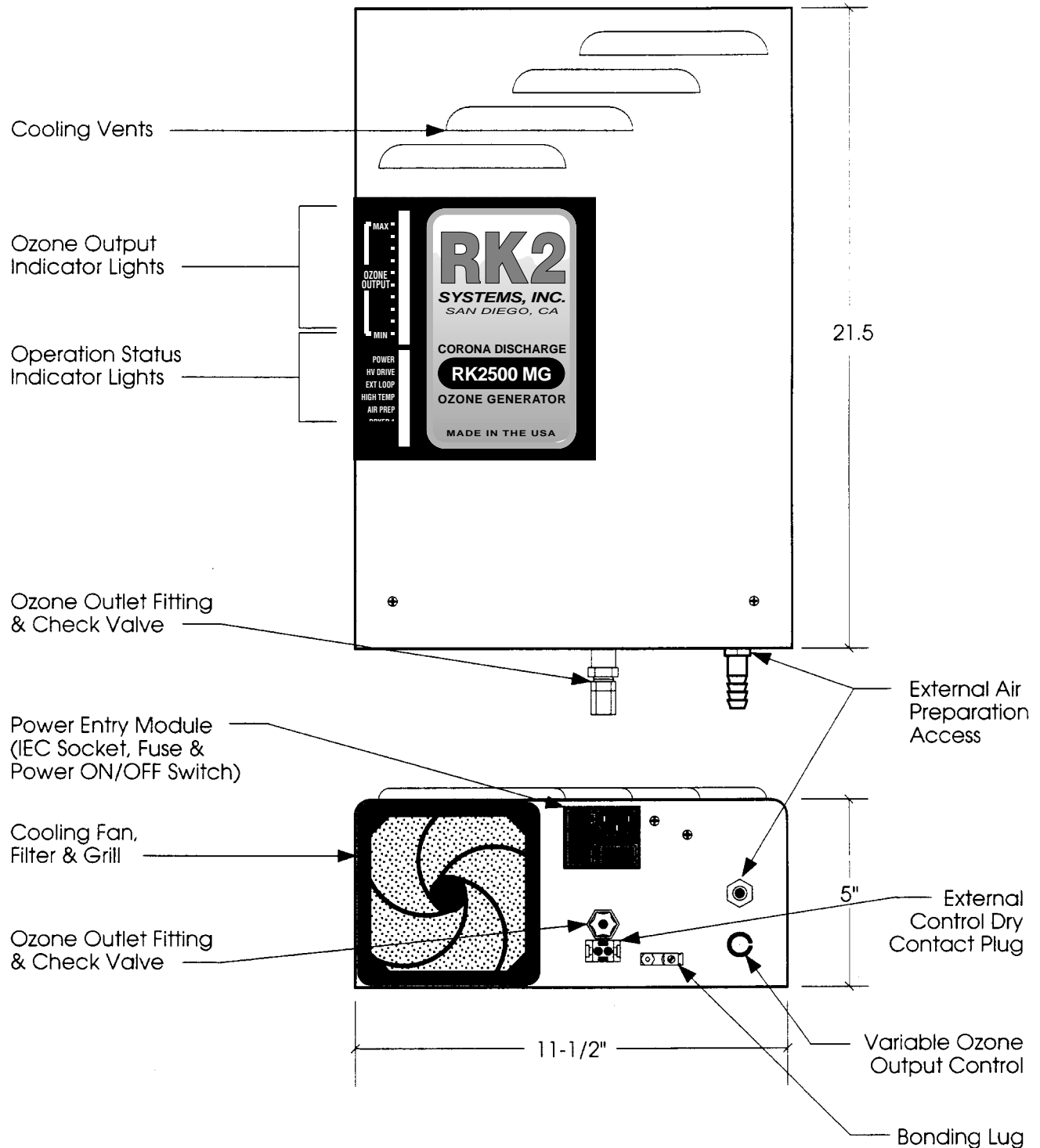
- **Contact Vessel**
- **Booster Pump**
- **ORP Controller**

Ozone Generator

The ozone generator houses the ozone reaction chamber, power supply and all electrical components directly related to the production of ozone. Ozone is produced when the feed gas is exposed to a high voltage electrical current inside the reaction chamber.

RK2500 MG OZONE GENERATOR DIMENSIONS and LAYOUT

Front and Bottom Views



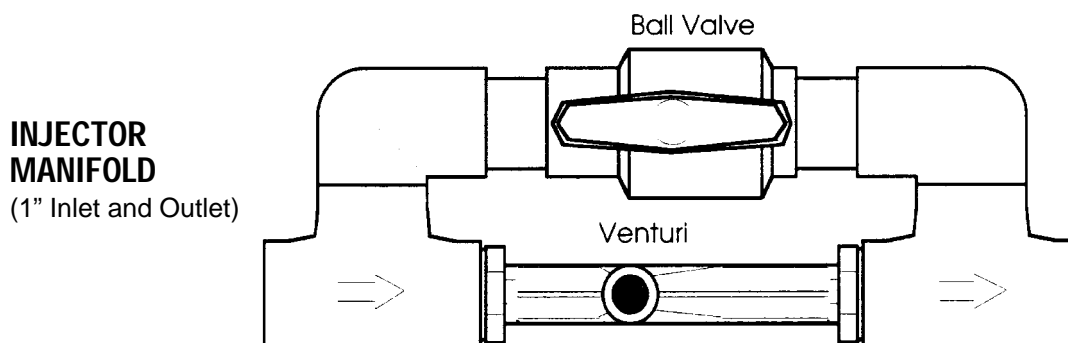
PRODUCT DESCRIPTION Continued

Air Preparation

The RK2500 MG ozone system is designed for use with an outside air prep source such as an oxygen concentrator, bottled oxygen, heat regenerative desiccant air dryer or any dry air source. Corona discharge ozone generators are much more effective, produce more ozone and require far less maintenance if an air preparation unit is included. The air preparation system lowers the dew point of the feed gas. Moist feed gas (air) will cause nitric acid to form inside the generator which decreases ozone production and if not removed, causes corrosion and eventual failure of the generator's internal components. The ability of the ozone generator to produce ozone is drastically reduced as the dew point rises above -80°C (-112°F).

Injector Manifold

The ozone gas is drawn into the water line by means of a venturi injector manifold. This allows the ozone to be injected into the water under a vacuum condition, which is the safest, most efficient technology available. The venturi utilized in the injector manifold operates via a pressure differential (much like a carburetor). The amount of ozone drawn into it depends on the water flow and pressure on the inlet and outlet sides. A pressure differential of at least 25 psi must be maintained between the well (or booster pump) and system back pressure for the venturi to operate correctly. Proper function of the venturi/ozone system will occur only if the pressure differential is maintained. For highest efficiency, at least 10" of vacuum at the venturi suction port and 25 psi at the venturi outlet must be maintained. RK2 Systems stocks a complete line of high-efficiency venturi injectors from 4-1000 GPM.



Contact Vessel (optional)

To maximize the effectiveness of ozone, it must be thoroughly mixed and have adequate time to react with the contaminants in the water before being filtered or utilized. Contact vessels are designed to achieve this necessary mixing and contact time. RK2 Systems supplies several different types of contact vessels for a variety of applications.

Booster Pump (optional)

If excessive back pressure is created in the water line by filters, pressure tanks or other system parameters, a booster pump may be necessary to create a sufficient pressure differential across the venturi. This booster pump may be used in conjunction with a side stream ozone injection loop.

INSTALLATION

Placement of Equipment

Select a location for the ozone equipment that is as close as possible to the ozone injection point. Situate the unit in a manner suitable for convenient electrical access. The RK2500 MG enclosure is not rain-proof, so it is important to choose a location that will keep the system away from direct weather and excessive heat.

Four mounting holes are located on the back of the ozone generator for convenient wall mounting. Mounting hardware is not provided. Racks are available to mount the unit directly to an RK2 Systems Protein Fractionator or Filtration System.

Materials

It is recommended that unions and valves are used wherever practical. Ozone rapidly deteriorates a variety of compounds; the following is a list of materials that may be used...

...with ozone in gaseous phase (at high concentrations):

Viton	Teflon®	Stainless Steel	EPDM
Silicon	Kynar®	Hepalon	

...with ozone in aqueous phase (at low concentrations):

Viton	Teflon®	Stainless Steel	EPDM
Silicon	Kynar®	Concrete	Hepalon
Schedule 40 PVC		Schedule 80 PVC	

NOTE: Be sure to use good plumbing practices and install unions and isolation valves wherever the situation dictates, i.e. pump or injector removal, etc. secure all plumbing with unistrut or similar hardware.

Tubing Installation

Using Teflon® tape to seal the connection, install the ozone check valve assembly onto the injector. Connect the 1/4" Teflon® tubing from the Teflon® OZONE OUT compression fitting on the bottom of the check valve on the ozone generator to the Teflon® compression fitting on the check valve assembly on the injector. Secure by tightening the fitting around the 1/4" Teflon® tubing after insertion.

Check Valve Selection

The ozone check valve is an important component in preventing damage to the ozone generator. The RK2500 MG ozone generation system is equipped with a Kynar® low pressure check valve on the ozone outlet. A second check valve should be installed on the venturi injector ozone inlet. This check valve should be matched to the application. a low pressure Kynar® check valve is appropriate for applications where the system pressure will not exceed 40 psi. Higher line or system pressure installations require a stainless steel check valve.

NOTE: The cracking pressure (the pressure at which the valve opens) of any stainless steel or Kynar® check valves not source through RK2 systems, Inc. must **NOT** exceed 2 lbs. (1 lb. is recommended.)

INSTALLATION Continued

Electrical Connections

IMPORTANT: The RK2500 MG is capable of accepting input from 90 to 260 volts AC, 43 to 63 hertz (1Ø only). Installations of 120V or 240V AC, 50-60 Hz fall within this range.

The RK2500 MG will accept any power cord with an IEC plug on one end. It is available with different electrical cords to suit the differing electrical currents in different nations. The cords available from RK2 Systems (and their corresponding part numbers and sample nations) are:

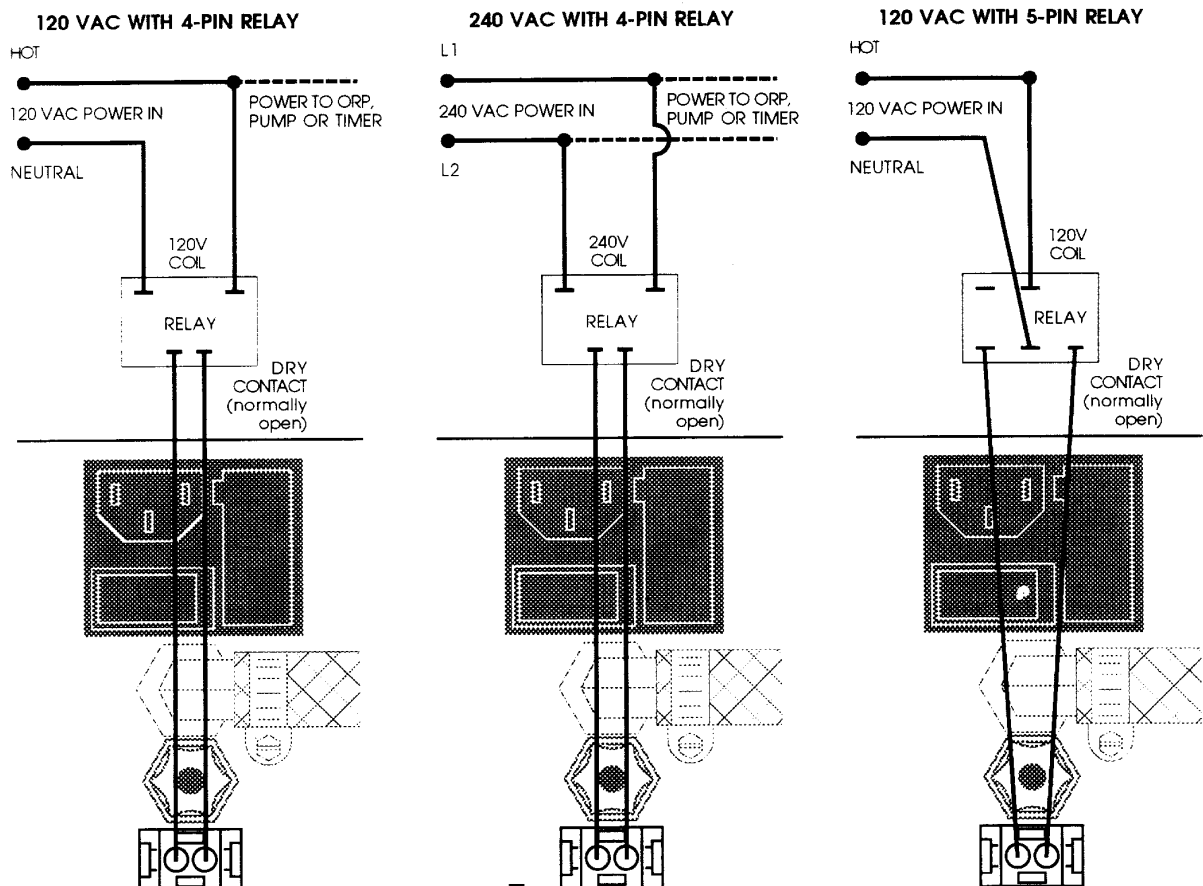
- CWCRD900 IEC by Nema 5-15P Plug (USA)
- CWCRD905 IEC by CEE 7/7 Plug (continental Europe)
- CWCRD910 IEC by BS 1363/A Plug (Great Britain, Hong Kong, and Singapore)
- CWCRD915 IEC by AS 3112-1990 Plug (Australia and New Zealand)
- CWCRD920 IEC by ASEV 1011 Type 12 Plug (Switzerland)

Plug the IEC end of the cord into the RK2500 MG unit and the other plug end into a standard wall socket to supply power to the unit. **IMPORTANT: The power source selected must be continuously energized.**

External Control Loop Electrical Connections

RK2500 MG units with mounted controller monitors have a direct cable link to the dry contact. (See separate RK2 System Controller/Octopus 3000 Manual.)

If the RK2500 MG is to be used with other external controls (such as an ORP controller, pump, or timer) wire the controller signal to the external control dry contact plug on the bottom of the RK2500 MG unit as shown in the illustration below. A single pole single throw (SPST) normally open relay should be used. A single pole double throw (SPDT) can be used if desired. Be sure to use the correct relay coil voltage based on the signal voltage (i.e. 24V, 120V, 240V).



OZONE GENERATOR OPERATION, RK2500 MG

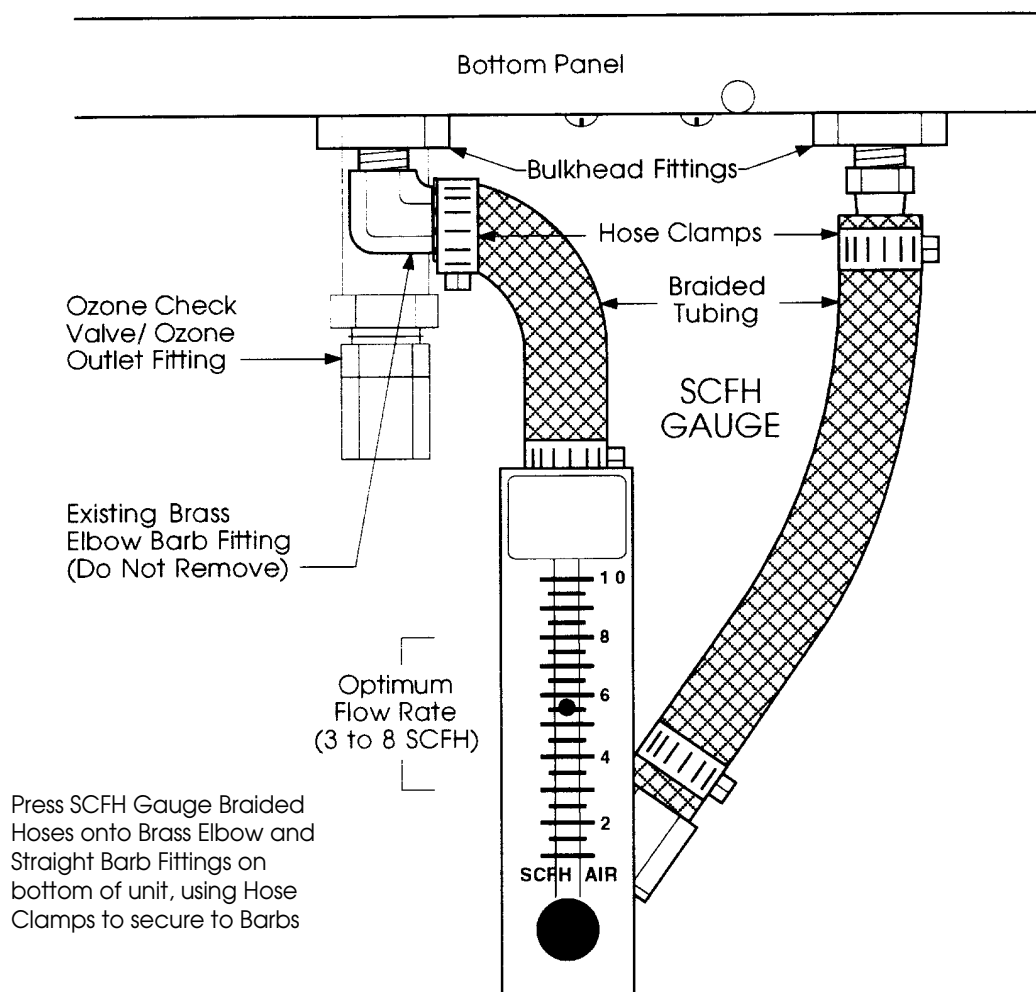
Initial Start-up and Calibration

After the installation has been completed, the cooling fan will start if the unit is functioning properly.

The air preparation system in the RK2500 MG is a vacuum type and will require adjustment of the air flow through the system. There are two different methods for achieving proper air flow, both involving an SCFH (Standard Cubic Feet per Hour) gauge. (Note: An SCFH gauge is supplied with the RK2500 MG unit, and the corresponding Protein Fractionator.)

Adjusting Air Flow with the RK2500 MG

The injector pump ball valves should be completely open. With the pump running, begin closing the gate valve until the optimum flow (3 to 8 SCFH) is achieved on the SCFH gauge. Once the proper setting has been achieved, it can be maintained by checking this gauge and adjusting the ball valve as needed

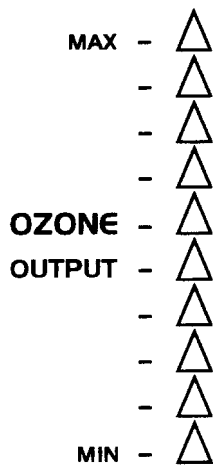


Combined flow rate of Protein Fractionator and Ozone Generator should equal suggested maximum SCFH according to the protein fractionator model, as measured at the protein fractionator flow gauge.

OZONE GENERATOR OPERATION, RK2500 MG

Unit Operation Indicator Lights

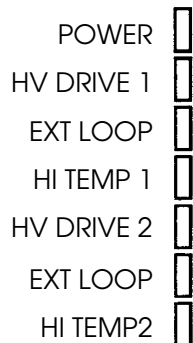
On the front of the RK2500 MG are a series of LED's. The ten triangular red LED's indicate the setting of the variable ozone output control, from the minimum (0% ozone output) to the maximum (100% ozone output). These are controlled by the variable ozone output control on the bottom of the RK2500 MG, which is described below. Below the ten ozone output LED's are 4 colored rectangular LED's, which indicate the unit's operational status as follows:



POWER: Green LED indicates that the unit is receiving electrical power

HV DRIVE: Green LED indicates power to the unit's drive board, which means that the reaction chamber is receiving power

EXT LOOP: Orange LED indicates when the ozone drive is disabled by an ORP controller. There is a two-pin connector located on the bottom of the unit for the purpose of interfacing with any external device you might include in the system. RK2500 MG units with mounted controller/monitors have a direct cable link to the two pin connector. The RK2500 MG provides a 5 volt DC fully isolated current to an external device. Therefore, use **dry contacts only** for this purpose. At no time should a fully energized circuit be used for this function.



HIGH TEMP: Red LED indicates an operating temperature which has exceeded normal operating range. There is a thermal switch integrated into the system which will turn off the ozone drive board when an excessive temperature condition occurs. When the unit cools down, it will reset the thermal switch and restart the ozone portion of the unit.

Variable Ozone Output Control

On the bottom of the unit, in between the ozone outlet/check valve and the external control loop (see illustration on page 4), is the dial which controls the variable ozone output of the RK2500 MG. By turning this dial clockwise, the amount of ozone produced by the RK2500 MG increases and the rectangular "OZONE OUTPUT" indicator LED's (see above) light up vertically, indicating the percentage of maximum ozone output being generated. If all of the LED's are lit, the unit is producing the maximum amount of ozone (100%). By turning the dial clockwise, the amount of ozone being produced decreases and the LED's go down. If no LED's are lit, no ozone is being produced.

The variable output control is included because some applications may not need the full output of the RK2500 MG. Rather than off-gas the excess ozone, the output can be adjusted to fit the needs of the particular application. There may also be occasions when the need is temporarily reduced, according to the bio-load. In some water applications, the ozone output may need to be reduced to minimize off-gassing of excess ozone. Conversely if the ozone does not appear to be doing its job completely, the output can be increased. Generally, it is best to apply the smallest level of ozone output to maintain your desired ORP value.



RK2500 MG

Maintenance & Troubleshooting Manual

Parts & Warranty

MAINTENANCE

Ozone Generator

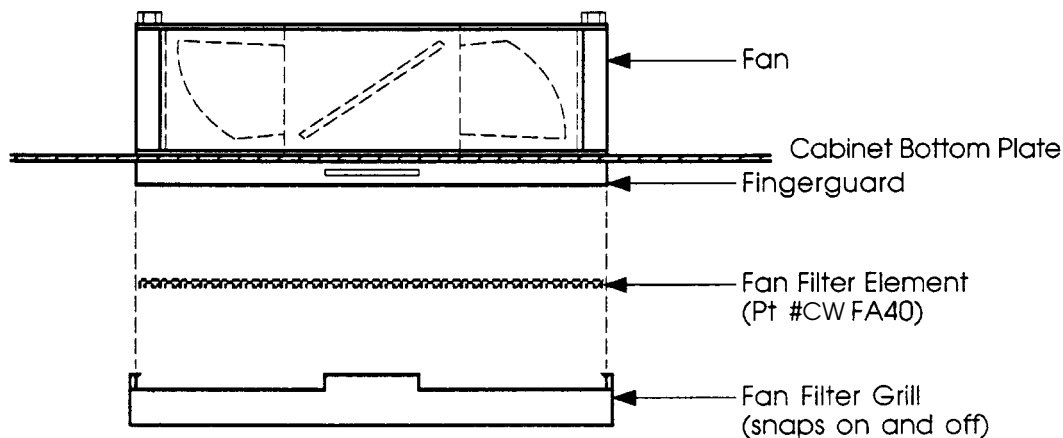
A word of caution: There is extremely high voltage inside the ozone generator. If you suspect a problem, disconnect the power to the unit at the service disconnect box or main electrical panel and immediately contact your RK2 Systems distributor. Inspect the ozone delivery line check valves daily for water seepage and replace the injector check valve yearly.

- **Clear the ozone generator cabinet air filter:**

This filter must be cleaned regularly. Depending on the location of the unit, it may be necessary to clean the air filter monthly. The filter element is located on the bottom of the cabinet (see illustration below). This is the air intake element for the cooling fan and may therefore require the most frequent cleaning. The element may be cleaned with soap and water and should be dried completely before reinstalling.

Note: In a clean environment, this procedure may only need to be performed every three months.

IMPORTANT: CLEAN THIS FILTER REGULARLY! FAILURE TO DO SO WILL PROMOTE OVERHEATING AND WILL VOID THE WARRANTY!



- **Check valves:**

A Kynar® check valve is built into the ozone delivery system where the ozone tubing attaches to the ozone generator. There is also an anti-syphon loop at the proton frac venturi connection. The purpose of these is to prevent water from backing up into the ozone generator. The Teflon® ozone delivery line(s) should be inspected daily to insure water is not flowing back into the ozone generator. **Check valve should be replaced yearly.** Note: The only time it should be possible for water to flow back toward the ozone generator is during a system shutdown. Always inspect for water seepage during this time.

MAINTENANCE

Ozone Generator

• Regenerating the desiccant in the Indicating (visible) Chamber

Check to see that the air dryer is warm. This indicates that it is working. If the air dryer is not working, call your dealer. The visible indicator cartridge is 25% desiccant beads which should be blue in color. If they are clear to white in appearance, check to be sure that the unit is working. When the desiccant granules become clear to pink in appearance, they have absorbed too much moisture and must be dried to regain their efficiency. To dry the desiccant beads, follow these steps:

1. Disconnect the power to the RK2500 MG.
2. Remove the four cover retaining screws from the top rear and bottom front of the unit. Tilt the cover up from the bottom over the top of the unit and carefully pull the plug from the LED circuit board built into the cover. Remove the cover.
3. With a slot head screwdriver, loosen the fitting at the bottom of the indicating chamber where the flexible tubing attaches to the chamber's elbow fitting.
4. Loosen the fitting at the bottom inside of the unit where the brass tubing goes out the bottom of the unit into the external control loop. Lift the cartridge up and out of the unit.
5. Unscrew the top threaded cap from the chamber. Spread the desiccant evenly on a cookie sheet and bake at 350° in an oven. Check often. Once the desiccant granules regain their blue color, remove from the oven.
6. Return the desiccant granules to the cartridge, recap and reverse the above steps to replace the chamber.

MAINTENANCE Continued

Ozone Generator

• Dielectric Tube:

The dielectric tube is located in the reaction chamber of the ozone generator. This tube should be inspected periodically and cleaned if necessary. Once each year, remove the reaction chamber and inspect the dielectric tube for debris. If the tube is clean and free from any debris, oil or dirt, it may be replaced and no further maintenance is required. If the tube is dirty or cracked, the dielectric tube must be inspected and cleaned. A cracked dielectric tube should be replaced. Please consult your RK2 Systems distributor, as the improper installation of the dielectric may cause safety problems!

Since the air that is introduced into the reaction chambers is high quality, the dielectric tube should remain clean for at least one year before inspection is required.

Removal of the Dielectric Tube

1. Disconnect all the power to the system, including panel breakers, service disconnect box and main circulation pump interlock.
2. Remove the four cover retaining screws from the top rear and bottom front of the unit. Tilt the cover up from the bottom over the top of the unit and carefully pull the plug from the LED circuit board built into the cover. Remove the cover.
3. The reaction chamber is on the left of the unit, behind the universal power supply circuit board. Remove the protective cap and top nut (but not the bottom nut) from the top of the chamber and remove the electrical lead.
4. Loosen the Kynar® elbow fitting and remove the ozone tubing from the fitting.
5. Using a 7/64" Allen wrench, loosen and remove the three screws securing the end cap. Loosen them evenly (rather than one at a time) to avoid damaging the glass dielectric. Remove the end cap with contact assembly by rotating and gently pulling upward and out.
6. Gently pull out the glass dielectric. If the dielectric tube is dirty, clean the glass with isopropyl alcohol. Do not use a solvent that will leave an oily residue.
7. Clean the inside of the stainless steel reaction chamber with a wire brush as necessary, then wipe with isopropyl alcohol.
8. Be sure all solvents have evaporated prior to reassembly.

Re-Installation of the Dielectric Tube

1. Inspect the o-rings and replace as necessary.
2. Carefully slide the glass dielectric into the reaction chamber, making sure that it seats into the center of the bottom end cap.
3. Replace the end cap and three screws, tightening the three screws evenly, rather than one at a time, to avoid damaging the glass dielectric.

MAINTENANCE Continued

• Dielectric Tube:

Re-Installation of the Dielectric Tube (Continued)

4. Reconnect the ozone tubing to the Kynar® elbow fitting.
5. Redonnect the electric lead to the top of the reaction chamber and replace the nut and protective cap.
6. Reconnect the plug to the LED circuit board and replace the unit cover and retaining screws.
Reconnect all power to the system.
7. Readjust the system as necessary (see operating instructions).

RK2500 MG Specifications

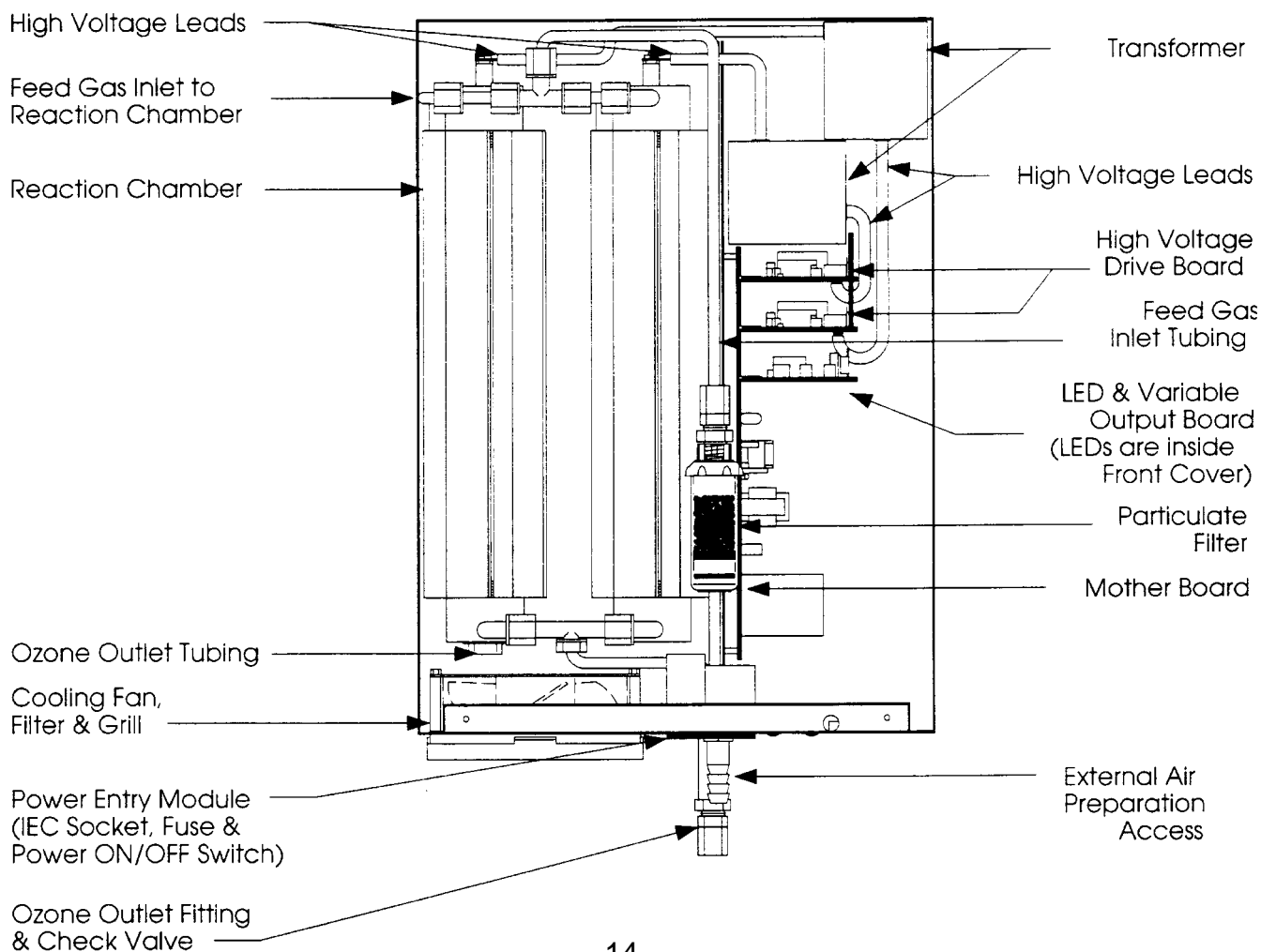
Energy Required: 90 VAC min., 260 VAC max., 43-63 Hz, 1.5 - 0.6 Amps

Replacement Fuse: 5 amp slow blow

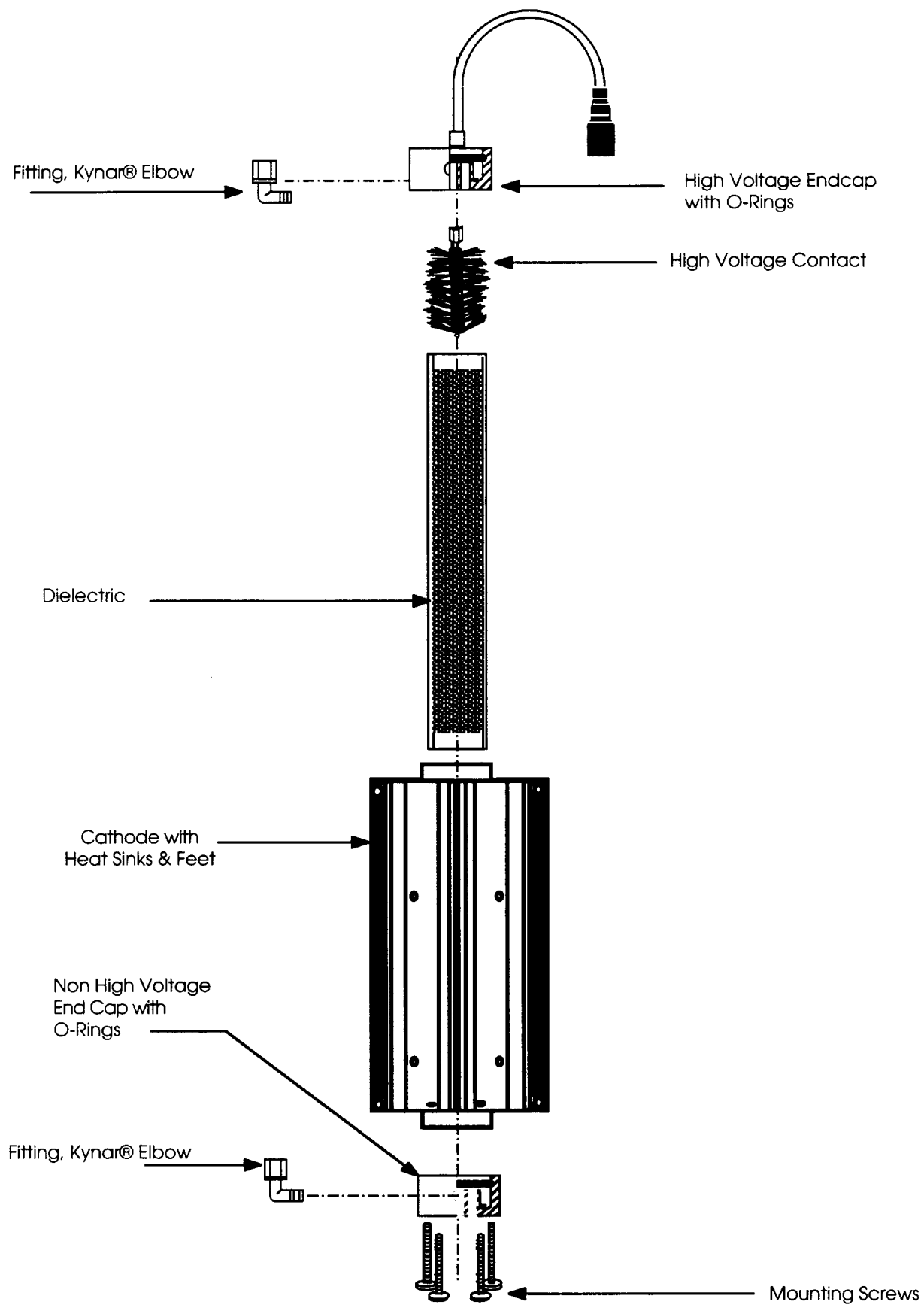
Dimensions: 17"H x 11.5"W x 5"D

Shipping Weight: 20 Lbs.

RK2500 MG OZONE GENERATOR COMPONENTS



EXPLODED VIEW OF CORONA DISCHARGE REACTION CHAMBER



OZONE GENERATOR TROUBLESHOOTING

PROBLEM/SYMPTOM	POSSIBLE CAUSE	SOLUTION
Unit does not turn on, green LED does not light	Unit has a turn-on time delay	Wait — the unit may take up to 8 seconds to turn on
	No power to unit	Check switch
	Blown fuse	Replace fuse on bottom panel
	Incorrect wiring connections	Check wiring (see manual)
	Bad power supply	Contact distributor
Unit does not stay on	Defective check valve	Inspect and replace if necessary
	Major unit failure	Contact distributor
Ozone cycles on and off	Overheating	Clean fan filter, check fan
	Defective power	Check for constant power if not timer controlled
Unit trips circuit breaker	Incorrect wiring	Check wiring (see manual)
	Incorrect circuit breaker	Check and, if necessary, replace with correct circuit breaker
'OZONE' indicator LED is not lit	Ozone card has become unseated from its connector on the main circuit board	Plug the ozone card back into the main circuit board
'HIGH TEMP' indicator LED is lit (unit is overheating)	Clogged fan filter	Clean or replace fan filter
	Fan is not plugged in	Plug fan in
	Fan is not operating	Contact distributor
	Bad temperature sensor	Contact distributor
	Bad ozone card	Contact distributor
External control loop is not functioning	Bad external wiring	Check wiring
	External plug has become unseated from its connector on the main circuit board	Plug the external loop card back into the main circuit board
	Bad variable output control card	Contact distributor
	Bad main circuit board	Contact distributor
You receive an electrical shock upon touching the unit	Incorrect wiring	Check wiring (see manual)
	Unit not grounded	Ground unit in accordance with local codes
	Unit has been flooded	Return unit for major service or completely disassemble and clean

OZONE GENERATOR TROUBLESHOOTING Continued

PROBLEM/SYMPTOM	POSSIBLE CAUSE	SOLUTION
Water in unit or ozone delivery tubing	Defective check valve(s)	Replace check valve(s)
	Excessive back pressure on check valve	Back pressure not to exceed 40 psi — if over 40 psi consult with RK2 Systems distributor
Ozone smell present	Loose internal fittings	Inspect and tighten fittings
	Defective O-ring seals in reaction chamber	Check and replace if necessary
	Loose fittings in the external control loop	Inspect and tighten fittings
	Defective reaction chamber	Check and replace if necessary
You suspect that no ozone is being produced	HV transformer is not plugged in	Plug the variable output control card back into the main circuit board
	Defective output control card	Replace output control card
	Dielectric failure	Inspect and replace if necessary
Variable output control not working	Variable output control card has become unseated from its connector on the main circuit board	Plug the variable output control card back into the main circuit board
	Defective output control card	Replace the output control card
	Defective adjustment control	Contact the distributor
Unit seems noisy	Not properly secured to wall/floor	Bolt it firmly into place
	Shipping damage	Locate and repair
	Fan blocked	Check and clear obstructions
Desiccant indicator cartridge not blue in color	Air leak	Tighten fittings
	Desiccant saturated in storage	Reactivate desiccant (as described in manual)

PARTS LIST FOR RK2500 MG

CWCKV22	Check valve CD 1/4" mpt x 1/4" fpt - new style
CWCDV20	Check valve CD 1/4" Kynar® - FPT, low pressure - old style
CWDES30	Indicating desiccant chamber
CWDES16	Indicating desiccant chamber refill
CWELPC5010	Electronics - BRD1, Main PCB, Stuffed, CD10
CWELPC5020	Electronics - BRD2A, Timer/Controller PCB, Stuffed, CD10
CWELP5030	Electronics - BRD3A, Output Control PCB, Stuffed, CD10
CWELPC5040	Electronics - ERD4A, High Voltage drive PCB, Stuffed, CD10
CWELPC5050	Electronics - BRD5A, LED Display PCB, Stuffed, CD10
CWFA40	Fan - Cooling, CD filter element only - 4"
CWFA43	Fan - Cooling, CD external finger guard - 4"
CWFA44	Fan - Cooling, CD internal finger guard - 4"
CWFA46	Fan - Cooling 4" 24 Vdc 140 CFM
CWFLT34	Filter - inline particulate 1/4", for one to three cell CD systems
CWFUS20	Fuse - CD, 5 AMP, slow blow
CWRCC53	Teflon end cap, 1" chamber high voltage end
CWRCC57	Teflon end cap, 1" chamber non-high voltage end
CWRCC17	Complete CD reaction chamber for RK2500 MG ozone generators
CWRCC75	Dielectric only, for RK2500 MG ozone generators
CWORG40	O-ring CD - Grammer End Cap O-ring small
CWORG80	O-ring CD - Grammer End Cap O-ring large
CWASP110	Maintenance Kit for RK2500 MG

Summary of the Warranty

RK2 Systems, Inc. ("RK2") makes every effort to assure that its products meet high quality and durability standards and warrants the products it manufactures against defects in materials and workmanship for a period of one (1) year, commencing on the date of original shipment from RK2, with the following exceptions: 1) The warranty period shall begin on the installation date if the installation is performed within 90 days of the original shipment from RK2; 2) The warranty period shall begin on the date of the bill of sale to the end user if the installation date is more than 90 days after the original shipment date. To validate the warranty, a warranty card, accompanied by a copy of the bill of sale, must be returned to RK2 and must include the following information:

- End user name
- Complete address, including telephone number
- Date installed
- Complete model and serial number information
- Name of company from which the unit was purchased

Repairs and replacement parts provided under this warranty shall carry only the unexpired portion of this warranty of 90 days, whichever is longer.

Items Excluded from the Warranty

This warranty does not extend to any product and/or part from which the factory assigned serial number has been removed or which has been damaged or rendered defective as a result of:

- an accident, misuse, alteration or abuse
- an act of God such as flood, earthquake, hurricane, lightning or other disaster resulting only from the forces of nature
- normal wear and tear
- operation outside the usage parameters stated in the product user's manual
- use of parts not sold by RK2
- service or unit modification not authorized by RK2

Obtaining Service Under the Warranty

Any product and/or part not performing satisfactorily may be returned to RK2 for evaluation. a Return Goods Authorization (RGA) number must first be obtained by either calling or writing your local authorized dealer, distributor or RK2 direct, prior to shipping the product. The problem experienced with the product and/or part must be clearly described. The RGA number must appear prominently on the exterior of the shipped box(es). The product and/or part must be packaged either in its original packing material or in comparable and suitable packing material, if the original is not available. You are responsible for paying shipping charges to RK2 and for any damages to the product and/or part that may occur during shipment. It is recommended that you insure the shipment for the amount you originally paid for the product and/or part.

If, after the product and/or part is returned prepaid and evaluated by RK2, it proves to be defective while under warranty, RK2 will, at its election, either repair or replace the defective product and/or part and will return ship at lowest cost transportation prepaid to you except for shipments going outside the 50 states of the United States of America. If upon inspection, it is determined that there is no defect or that the damage to the product and/or part resulted from causes not within the scope of this limited warranty, then you must bear the cost of repair or replacement of damaged product and/or part and all return freight charges. Any unauthorized attempt by the end user to repair RK2 manufactured products without prior permission shall void any and all warranties. For service, contact your authorized dealer or distributor or RK2 direct at (760) 746-7400.

Exclusive Warranty

There is not other expressed warranty on RK2 products and/or parts. Neither this warranty, or any other warranty, expressed or implied, including any implied warranties or merchantability of fitness, shall extend beyond the warranty period. Some states do not allow limitations on how long an implied warranty lasts, so that the above limitation or exclusion may not apply to you.

Disclaimer of Incidental and Consequential Damages

No responsibility is assumed for any incidental or consequential damages; this includes any damage to another product or products resulting from such a defect. Some states do not allow the exclusion or limitation of incidental or consequential damages, so that above limitation or exclusion may not apply to you.

Legal Remedies of Purchaser

This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

THIS STATEMENT OF WARRANTY SUPERSEDES ALL OTHERS PROVIDED TO YOU AT ANY PRIOR TIME.

RK2 SYSTEMS PRODUCT LIST



Protein Fractionators



Fluidized Sand Filters



Filtration Systems



Holding Systems



Ozone Systems



UV Sterilizers



Pumps



Chillers



Heaters



Parts & Fittings

FOR FURTHER TECHNICAL ASSISTANCE

CONTACT YOUR RK2 DISTRIBUTOR