

## Models ZRS MFR18 & ZRS MFR30 Installation Instructions

### **GROUNDING IS VERY IMPORTANT FOR SUCCESSFUL OPERATION!!!**

**HERE'S WHY:** In operation, the Zeta Rod and the Reaction Chamber form an electrical device called a capacitor. It is within this capacitor that the treatment effects of the Zeta Rod system are accomplished. The connection of the green & yellow grounding wire from the Power Supply to the Reaction Chamber is essential to establish this capacitor.

### **ESTABLISH THE GROUNDING CONNECTION BEFORE ENERGIZING THE SYSTEM!!!**

**HERE'S WHY:** If you fail to connect the ground wire prior to energizing the system, you may cause it to short and blow the internal fuse of the power supply. Best practice is to double check the installation, turn on the water to confirm that you have properly sealed for leaks. Then, plug the wall plug into the AC outlet, and then plug the 12V jack into the power supply to energize the system.



**NOTE:** The Power Supply pictured is intended for installation in a dry, weather protected location where it is not subject to the elements. The Reaction Chamber and Zeta Rod electrode are UV and weather protected for outdoor placement and may be passed through a wall opening for exterior installation of the Reaction Chamber.

The Zeta Rod system can be installed with the use of simple tools; however, for those not practiced in standard plumbing practices and techniques, Zeta Corporation recommends the use of a licensed plumbing contractor.

### **INSTALLATION STEPS:**

**1.**

Choose the location for the Zeta Rod system by considering ease of access, source of electricity, and protection from the elements. The Chamber may be oriented vertically or horizontally and the Zeta Rod may be inserted into the chamber from any direction. The direction of water flow is not a factor.

**2.**

Prepare the piping to receive the Reaction Chamber by shutting off the water supply, removing a section of piping and installing unions in the Reaction Chamber and complementary unions on the pipe per approved plumbing practice.

**3.**

After choosing the orientation best suited to the piping layout, fit the Zeta Rod into the Reaction Chamber using Teflon<sup>®</sup> pipe thread tape or a suitable pipe-sealing compound. Use a smooth flat wrench to snug the Rod into the Chamber. Do Not overtighten or overgrip the rod.

**Care should be taken with the Zeta Rod so that it is not knocked or dropped during the insertion process. Although the ceramic is extremely hard, if cracked, the insulating properties of the ceramic would be compromised and the system would short to ground. Best practice is to leave the foam wrapping on the rod until you are ready to insert it into the chamber.**

4.

Install the Reaction Chamber into the water line using proper plumbing practices and components. Please note, the Reaction Chamber is made of type 304 stainless steel. For use with copper or other metal piping, a dielectric coupling must be used to prevent corrosion by contact of dissimilar metals.

5.

Mount the Power Supply on the wall above the Reaction Chamber position. **CONNECT THE GREEN GROUNDING WIRE TO THE SET SCREW ON THE NECK OF THE THREAD FITTING.**

6.

Plug the wall transformer into a 110-VAC outlet.

7.

Plug the 12-volt wall connector lead into the female receptacle on the side of the Power Supply.

8.

The green LED on the side of the Power Supply will illuminate indicating that the system is functional.

9.

Register your Zeta Rod system to activate the Warranty! A faxable registration form that includes the Warranty is also in the box. Please note that we do not share information with any other party and will contact you only in the event of an issue related to product quality or safety.

For technical assistance, please do not hesitate to contact Zeta Corporation 888.785.9660.

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