



ZETA ROD[®] Systems

Model ZRS R20 Installation Instructions



The Zeta Rod system may 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.



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 water treatment effects of the Zeta Rod system are accomplished. Connection of the green & yellow striped grounding wire from the Power Supply to the Reaction Chamber is essential to establish this capacitor.

INSTALLATION STEPS:

1.

Choose the location for the Zeta Rod system by considering ease of access, source of electricity, and protection from the elements. Most installations are located in a garage or mechanical room and installed on the main water line as it enters the home, prior to any water heater, so that all the water (both hot and cold) is treated. If possible, install prior to take off lines for irrigation or the pool as well. If the system is to be installed in conjunction with a whole house filter, install the Zeta Rod after the filter. Outdoor installation is acceptable provided that reasonable care is taken to protect the system from UV damage, temperature extremes or immersion in water (i.e. do not install in a buried vault).

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. (See Installation Configuration Diagrams).

ZRS R Series Models are NOT suitable for installation directly into hot water lines. (ZRS C Series models are required for this purpose)

2.

After choosing the orientation best suited to the piping layout, 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. Bypass valves and piping are optional, but may be desirable.

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.

3.

Fit the Zeta Rod into the remaining opening in the Reaction Chamber using Teflon[®] pipe thread tape or a suitable pipe-sealing compound. Use a smooth flat wrench to snug the Zeta Rod into the Chamber. DO NOT over-tighten or over-grip the Zeta Rod. Do not loosen the liquidtight fittings of the conduit. This may allow the wiring connection to be twisted and damage the system. Rather, allow the power supply box to rotate as required until the Zeta Rod has been screwed into the chamber. Once all plumbing connections have been made, slowly restore the water flow and make sure that there are no leaks in the connections and that there are no air pockets trapped in the chamber.

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. The best practice is to leave the foam wrapping on the rod until you are ready to insert it into the chamber.

4.

Mount the Power Supply. **IMPORTANT: CONNECT THE GREEN GROUNDING WIRE FROM THE POWER SUPPLY BOX TO THE GROUNDING LUG ON THE REACTION CHAMBER (SEE DIAGRAM) TO ESTABLISH THE CAPACITOR. MAKE CERTAIN THAT THE WHOLE ASSEMBLY TIES TO A KNOWN ELECTRICAL GROUND. IF THE ASSEMBLY IS NOT PROPERLY GROUNDED, THE CAPACITOR WILL NOT BE CREATED AND THE ZETA ROD SYSTEM WILL NOT FUNCTION AS DESIGNED.**

5.

Plug the three prong electrical cord from the power supply into your electrical outlet (100-240 VAC). The green LED on the front of the Power Supply will illuminate indicating that the system is functional. This LED will not illuminate if there is no power to the system OR if the voltage output of the power supply falls

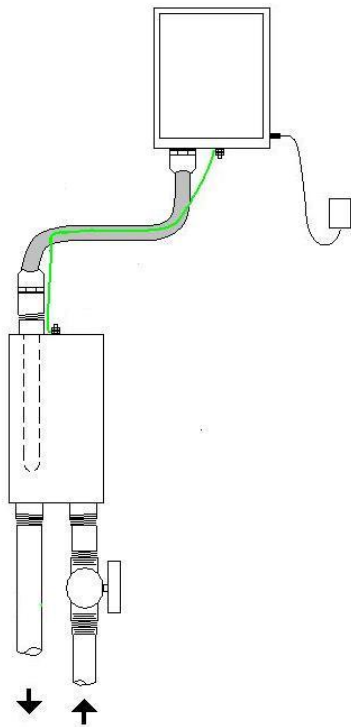
below its designed functioning level. An occasional check to see that the LED is illuminated is the only maintenance required of the Zeta Rod System.

6.

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.

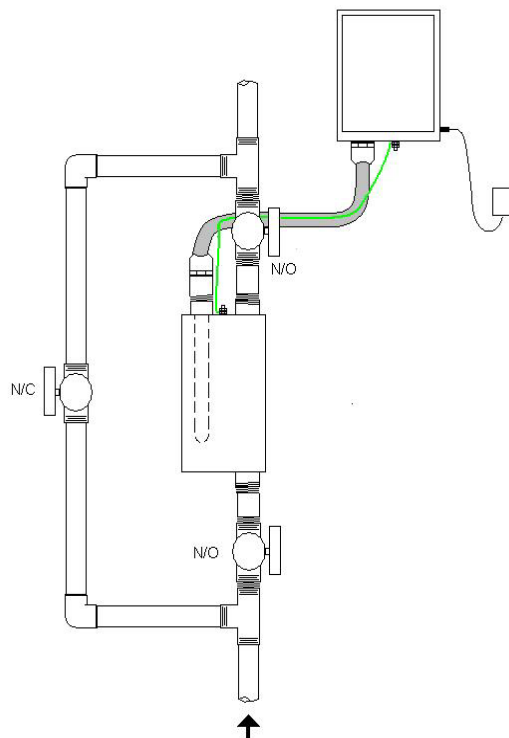
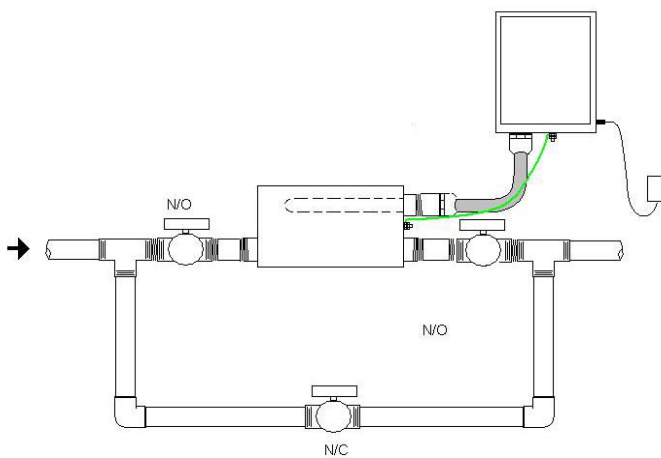
**For technical assistance, please do not hesitate to contact
Zeta Corporation 888.785.9660.**

INSTALLATION CONFIGURATIONS



ZRS R20

The Zeta Rod System can be installed vertically or horizontally. All chamber openings are 1" female NPT, so the Zeta Rod can be inserted into any opening and the inlet/outlet for the water can be configured in any manner that suits the installation layout requirements. The shut off valves and by-pass valves are optional.



warranty

ZETA ROD SYSTEMS ZRS R SERIES and ZRS C SERIES

LIMITED WARRANTY:

Commencing on the date of purchase by the original End-User from a duly authorized OEM, Distributor, Dealer, Plumber or Sales Representative, Zeta Corporation (hereinafter referred to as Zeta) shall warrant the Zeta Rod System for defects in materials or workmanship for a period of three (3) years (or without evidence of warranty registration, for three years after the date of manufacture) as long as the system remains in its original installation location.

Zeta will, at its sole discretion, replace or repair a system purchased that, in Zeta's judgment, has a defect in material or workmanship, provided that the product is returned to Zeta with Zeta's prior permission, return authorization number and according to written return instructions; and provided further that the Product has not been misused, improperly installed, operated or subject to unauthorized repairs or modifications.

This warranty does NOT provide coverage for incidental property damage, loss of use, inconvenience or other incidental or consequential costs, nor does it cover any reimbursement for inspection, removal, installation or re-installation costs (including any material, and/or permits required) that may be incurred by the end user or installer.

ANY UNAUTHORIZED ATTEMPT TOWARD FIELD SERVICE OR OPENING OF THE POWER SUPPLY ENCLOSURE SHALL VOID THE WARRANTY.

This warranty is in lieu of all other warranties, expressed, implied or statutory, including the warranty of merchantability and the warranty of fitness or of suitability for a particular purpose and of all other obligations or liabilities on the part of Zeta. Zeta neither assumes nor authorizes any other person to assume for Zeta any other liabilities in connection with the sale or installation of this product.

If Zeta's examination does not disclose a defect in materials or workmanship on the system claimed to be defective, the End-User agrees to pay Zeta's established charges for unpacking, testing and repackaging the system and re-shipment to the End-User. This provision states the End-Users' exclusive and sole remedy under this warranty. The provision does not extend the original warranty period of the system that has been repaired or replaced by Zeta.

This Warranty is the only warranty made by Zeta with respect to the goods purchased by the End-User.

REGISTRATION IS REQUIRED TO VALIDATE THIS WARRANTY. THE REGISTRATION CARD MUST BE COMPLETED AND RETURNED TO ZETA CORPORATION WITHIN THIRTY (30) DAYS AFTER PURCHASE BY THE END-USER IN ORDER TO ACTIVATE WARRANTY COVERAGE.

**2045 North Forbes Boulevard • Suite No. 102 • Tucson, Arizona 85746, U.S.A
Telephone • 520.903.9904 • Toll Free • 888.785.9660 • FAX • 520.903.9910 • WWW • zetarod.com**