

# Zeta Rod<sup>®</sup> Systems Receive IAPMO GREEN Certification



**US Army Corps  
of Engineers<sup>®</sup>**  
Engineer Research and  
Development Center

**January 1, 2010**

**Tucson, Arizona** -- Zeta Corporation is pleased to announce that its patented Zeta Rod<sup>®</sup> Systems have added IAPMO Research & Testing GREEN certification to their IAPMO listing. The products will now bear the UPC<sup>™</sup> NSF/ ANSI 61 GREEN stamp, indicating not only that they continue to conform to the standards for Drinking Water Systems Components – Health Effects and the plumbing and electrical requirements set forth in the Uniform Plumbing Code<sup>™</sup> IGC 91-2009, but that their use is considered GREEN because it contributes to water conservation, energy reduction and chemical waste reduction in aqueous processes.

The IAPMO GREEN listing for Zeta Rod Systems is qualified in part by independent research data published in 2009 by the U.S. Army Corps of Engineers Construction Engineering Research Lab. The 18 month Zeta Rod demonstration/evaluation on evaporative cooling equipment on U.S. military bases documented significant overall water savings on cooling tower make-up water of 20%. By replacing standard chemical water treatment techniques, one installation saved approximately one million gallons of water over a twelve month period, contributing to water conservation and chemical reduction requirements for federal facilities by 2016 set forth by Executive Order of the President of the United States.

For industrial cooling and process water treatment applications, the Zeta Rod particle dispersion technology achieves measurable water conservation because cooling systems are able to operate under higher ratios of concentration without forming scale, biofouling or corrosion, and are able to do so without the addition of chemical additives, leaving the waste water available for irrigation or other gray water uses. In potable water applications, the Zeta Rod, which requires no backflush, is used as an alternative to salt-based water softening devices that require water wasting brine regeneration.

IAPMO, the International Association of Plumbing and Mechanical Officials, promotes safe and efficient plumbing and mechanical practices and is the organization that develops and maintains the Uniform Plumbing Code. The NSF Part 61 listing as granted by UPC is recognized by NSF, the National Sanitation Foundation, and ANSI, the American National Standards Institute, who develop the standards for drinking water system additives and components. NSF/ANSI Standard 61 is the American National Standard that ensures pipes, tubes, storage tanks and other products that come in contact with drinking water do not contribute levels of contaminants that could cause serious health problems. Forty-five U.S. states and two Canadian provinces require drinking water system components to comply with NSF/ANSI Standard 61 requirements.

Zeta Rod systems work by creating a capacitor within the piping that prevents deposition of hard water and mineral scale. Additionally, the system performs to eliminate bacteria-harboring bio-films that adhere to pipe and vessel walls, thereby improving water taste, reducing piping and fixture corrosion, and enhancing overall water quality satisfaction.

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