

# TWO PART WATER SERIES

## SANITIZATION METHODS FOR ULTRAPURE WATER SYSTEMS

May 4, 2021 from noon - 1:15 PST

## MEMBRANE-BASED WATER FOR INJECTION

May 11, 2021 from noon - 1:15 PST

RSVP: [lnkd.in/er\\_7T3G](https://lnkd.in/er_7T3G)

### KEY LEARNING OBJECTIVES

- Relative effectiveness of sanitization options
- Understand continuous sanitization versus intermittent sanitization
- Proper materials of construction for sanitization compatibility
- Implementation of sanitization methods
- WFI regulatory requirements
- How to design a WFI system with non-distillation technologies
- How to convert an existing system to WFI production
- What is required to qualify a membrane-based WFI production system

## SME SPEAKER

### GARY ZOCCOLANTE

*Technical Director  
Plymouth Rock Water Consultants*

Gary has over 45 years of experience in the design, operation and trouble-shooting of pharmaceutical water systems. He was Pharmaceutical Technical director for Evoqua Water Technologies for over 35 years. He has been involved in the development of equipment for pretreatment, reverse osmosis, deionization, ultrafiltration and distillation.



Recognized SME who contributed to the ISPE Guidance for Water Systems



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**Two-Part Water Series**

**Part 1: Sanitization Methods For Ultrapure Water Systems**  
**Part 2: Membrane-Based Water For Injection**

**May 4 and May 11, 2021**  
**Noon – 1:15PM PT**

**Sponsored by:**



**Format:**

**GoToWebinar**

Instructions to join will be emailed one day prior

**Program Manager:**

**Paul Crissman, Principal, Biotechnical Solutions**

**Moderator:**

**Justin Cantor, Chief Strategy Officer, PSC Biotech**

**Speaker:**

**Gary V. Zoccolante, President, Plymouth Rock Water Consultants**

**Cost to Attend:**

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Area Chapter

### Two-Part Water Series

## Part 1: Sanitization Methods For Ultrapure Water Systems Part 2: Membrane-Based Water For Injection

**Tuesday, May 4 and May 11, 2021**

### About the Speaker



**Gary V. Zoccolante** is the President of Plymouth Rock Water Consultants. Gary has over 45 years of experience in the design, operation and trouble-shooting of pharmaceutical water systems. He was Pharmaceutical Technical director for Evoqua Water Technologies for over 35 years. He has been involved in the development of equipment for pretreatment, reverse osmosis, deionization, ultrafiltration and distillation.

He was a committee member of the original ISPE Baseline® Water and Steam Systems Guide, the Second Edition Guide and was a co-chairman of the recent Third Edition Guide. He has been part of the Guide Presentation Team on several occasions. He was involved in face-to-face meetings with FDA to help resolve many of the Guide principles. Gary is a member of the ISPE Critical Utilities Community of Practice Steering Committee. He has worked on the development of additional ISPE Good Practice Guides related to pharmaceutical water. He also developed the four-day ISPE Pharmaceutical Water course and has presented the course to hundreds of pharmaceutical industry personnel including those from the FDA.

Gary has authored and co-authored many papers on pharmaceutical water production and system operation and maintenance. He holds several patents for pharmaceutical water processes. He has previous experience as manager of engineering and manager of application engineering. He holds a BS degree in Mechanical Engineering from Northeastern University.

# REGISTRATION INSTRUCTIONS

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- 2) Click on the appropriate event. Here is where you can download the event flyer also.
- 3) Scroll through the list of registration options and find the one that applies to you.
- 4) If payment is required, select the payment option of your choice and follow instructions to pay. Make sure to go through all of the steps until payment is confirmed. Since our site has to go to the merchant account site, there are a couple extra clicks involved.

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**Questions or help with registration, please email [Rob.Fleming@yahoo.com](mailto:Rob.Fleming@yahoo.com)**

**Note: Our system does not email confirmations for complimentary events, however, you will receive a link to join the day before the webinar.**