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Improving the Reliability of a Water Purification System

Status: Accepted

Category: 1 Water Filtration

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Water systems are designed using many different technologies, each targeted to remove certain constituents from the feed source. One of the most overlooked elements to a low maintenance and reliable design is pre and post cartridge filtration. Choosing the correct size, material, and location of cartridge filters can reduce maintenance costs associated with cleaning (CIP), and improve reliability by protecting downstream equipment.

This presentation will discuss how cartridge filtration is used in all water systems, and how it can act to identify problems and events that may occur throughout the life of your system. We will also discuss new developments and advancements such as Nano Filtration that can remove unwanted microbes.

Bio

Chris Gallagher
Director of Business Development
Keystone Filters and Pleating

Chris has over 22 years experience in managing, manufacturing and designing separation and filtration systems within a wide range of industries. In addition to his in depth experience with conventional treatment, Chris has substantial experience trouble shooting, upgrading, testing and maintaining all types of high purity water systems. Most recently he was nominated the first High Purity Water Master for the WQA Industrial Program.

He is a member of the AFS, ISPE, WQA and sits on the WQA Task Force Board on Industrial Education.

He received a B.S Degree in mechanical engineering from the University of Massachusetts, and a master's degree from the McCallum Graduate School of Business in Management of Technology and Operations.