

Water Quality Solutions

Hard Water is a very common and costly water quality issue. Water can be saturated with many dissolved minerals. The amount of these materials depends on the water source and the water chemistry, including: pH, oxygen content, temperature, and pressure.

As temperature or pressure increases, calcium carbonate begins to come out of solution and form water scale deposits on pipes, equipment, and other water using appliances. High-efficiency equipment features narrower waterways than older models. This increases efficiency, and also the need for quality feed water to prevent scale buildup.

Loss of efficiency results in higher energy costs. Scale often becomes encrusted on internal moving parts of valves and components, affecting their intended purpose and eventually causing safety failures. Hard water scale can cause aesthetic issues, and also harbors bacteria that can increase Legionella risks.

Water quality is such an important factor in the well-being of a project that we are willing to extend warranties for those who are proactive and take preventative measures to ensure water quality. As with other mechanical equipment, proactive preventative maintenance is vital, especially with domestic hot water services (DHWS). Treated water helps retain the factory warranty and efficiency rating of any appliance that uses water.

Water with a hardness of 3 grains will begin to scale.

85% of the U.S. is 3.5 grains or greater.

Water at 140 degrees scales twice as fast as water at 120 degrees.

Water at 180 degrees will scale seven times faster than water at 140 degrees.

Point-of-Entry AquaSolve Scale Control and Commercial Softeners



- AquaSolve Scale Control Water Treatment provides protection from scale formation on internal plumbing surfaces
- AquaSolve scale prevention media virtually eliminates scale without salt, chemicals, backwash or electricity
- AquaSolve systems may be installed at point-of-entry to treat both hot and cold water, or it can be installed directly before a water heater, boiler, or other hot water using devices that require protection from the ill effects of hard water
- Available in 12 GPM, 20 GPM, 50 GPM and 75 GPM models

- Commercial Softeners: Wide range of softening systems using high quality components
- Optional Vortech™ Distributor Tanks: Retain the distributor permanently in place when the valve is removed, and provide unique, enhanced, and efficient operation (made in the USA)
- WQA Gold Seal Certified NSF/ANSI Std. 44 resin is used in our most popular softener systems and is designed for demanding commercial applications
- Experienced engineering, technical and certification departments provide in-depth product solutions and selections



Commercial Specialty Systems



AquaSolve Filtration

Provide up to 150 GPM and a wide range of versatile filtration options. Available with sediment and carbon filter.

Capabilities, Components and Resources

- Marketing and sales support materials
- Cutting edge, higher-end product offerings
- Worldwide WQA CWS Certified Customer Support
- Custom application-based design



Commercial Softeners and Filters

Available in a wide array of configurations and operating systems. Options include skid mounting, pre-plumbed and custom designs for nearly any application.

Popular Media Choices

Micro Z™ for Superior Filtration

Substantial service flow rate and backwash requirement advantages over multi-media units. NSF/ANSI 61 certified.

Catalytic and Granular

Activated Carbon reduces a wide range of contaminants. NSF/ANSI 61 certified.

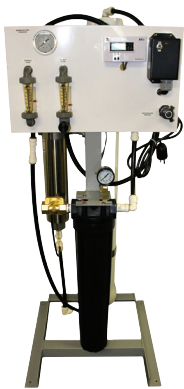
Ion Exchange

High purity, premium-grade, pre-washed, strong acid gel-type cation-exchange resin. NSF/ANSI 44 certified.

Filox® Media

Impressive service flow rates to reduce iron, manganese and hydrogen sulfide, typically without chemicals. NSF/ANSI 61 certified.

Commercial Reverse Osmosis Systems



R4X40 Series Reverse Osmosis Systems

Our most popular commercial R.O. systems. Available from 2200 to 6600 GPD.

Light Commercial and Wall Mount R.O. Systems

Compact designs are offered from 150 to 1200 GPD. Systems are engineered for quality and long term operation.



R12 to R48 Series

Provide a wide array of options and upgrades for up to 100 GPM, 144,000 GPD. Contact us for custom design features.

Represented by:



T: (817) 335-9531 | Toll Free: (800) 784-8326 | PVI.com