



WATER QUALITY THAT SATISFIES

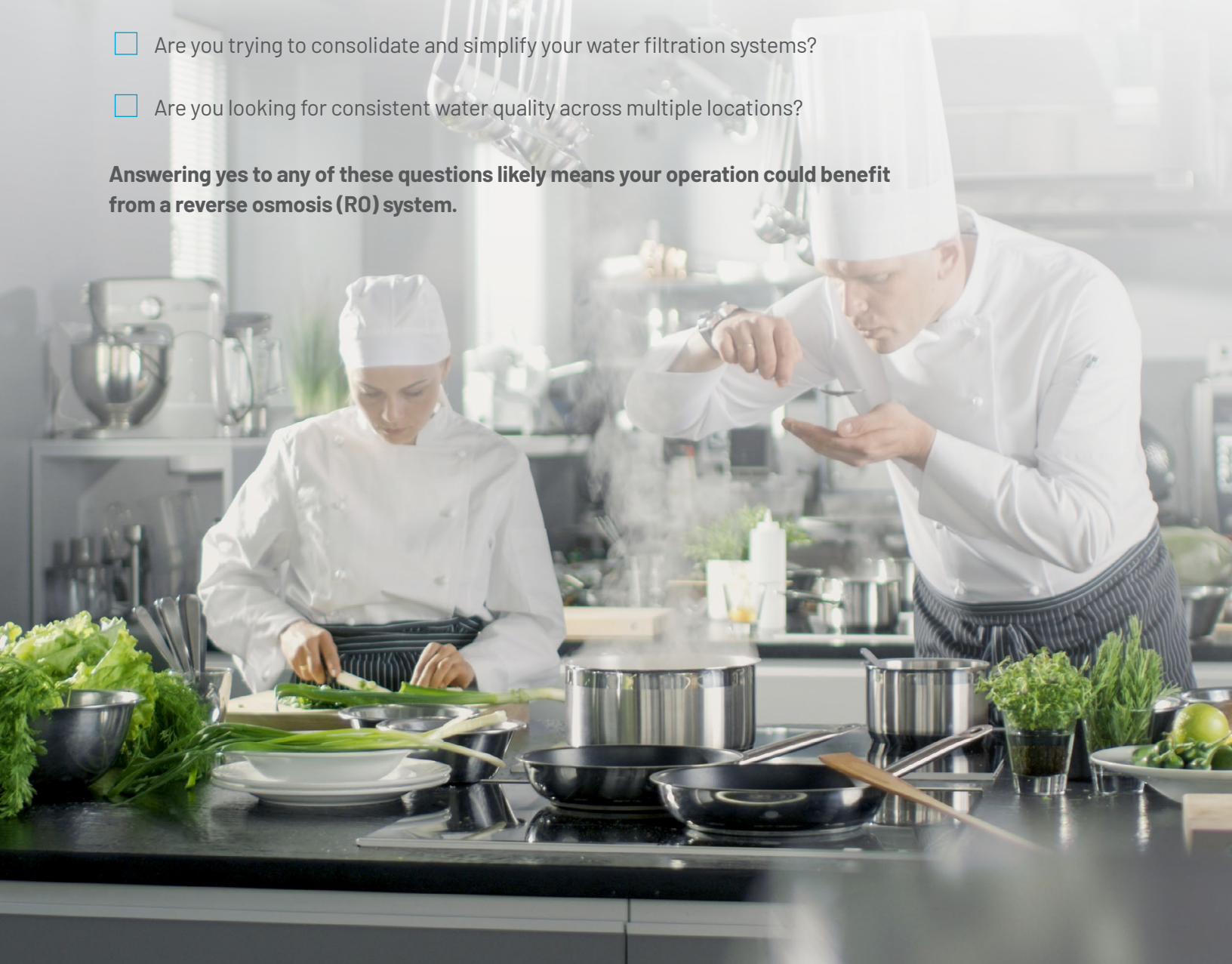
Foodservice Reverse Osmosis Systems



HOW DOES WATER QUALITY IMPACT YOUR OPERATION?

- ☐ Are you confident about the drinking water you serve?
- ☐ Have you noticed a drop off in your coffee sales?
- ☐ Do your fountain beverages taste flat, chalky, syrup-y or just off?
- ☐ Do you want to protect your steam equipment from corrosion?
- ☐ Do you need specific water mineral content for steaming, baking, brewing or distilling?
- ☐ Is scale buildup affecting the performance of your water-using equipment?
- ☐ Do your equipment warranties require a certain water quality?
- ☐ Are you trying to consolidate and simplify your water filtration systems?
- ☐ Are you looking for consistent water quality across multiple locations?

Answering yes to any of these questions likely means your operation could benefit from a reverse osmosis (RO) system.



WATER IS YOUR SINGLE MOST IMPORTANT INGREDIENT

Coffee and tea are 98% water. Fountain beverages are 83% water. But water itself isn't just H₂O; dissolved in it are tiny amounts of minerals, organic matter and other particulates with a huge impact on the quality, safety and taste of the food and drink you offer your customers. The right reverse osmosis (RO) filtration system can help you make sure it's a positive impact.

Your equipment

You could see improvement in equipment performance with RO water. What you won't see is lots of scale. Damage and scale from the dissolved minerals in unfiltered water reduce equipment performance and increase your maintenance, utility and labor costs. RO protects your bottom line by removing the majority of these hard minerals before they can damage combi ovens, espresso machines and other expensive investments.

Your food & beverages

The quality of your tap water may be inconsistent, but what you offer your customers shouldn't be. Consistent water quality is especially important for operations with multiple locations, and for brewing, bread baking and distilling. RO lets you dial in the perfect blend of minerals for specialized applications like these where water composition directly affects the taste of the end product.

Your customers

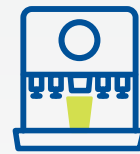
Keeping your customers happy is the key to keeping your business profitable. Customers notice drinking water that tastes off, just like they notice flat fountain beverages, cloudy iced tea and bitter coffee. RO gives your customers drinking water with bottled water taste—along with fizzy soda, sparkling iced tea and the perfect espresso—every time.



1/8" of scale buildup can increase the amount of energy your steamer requires by 25%; 1/4" increases it by almost 40%.*



Using RO water in place of untreated water could cut espresso machine maintenance costs by 50%-60% per year.



In beverage fountains, high TDS water throws off Brix ratios, requiring more syrup and more frequent filter replacement.



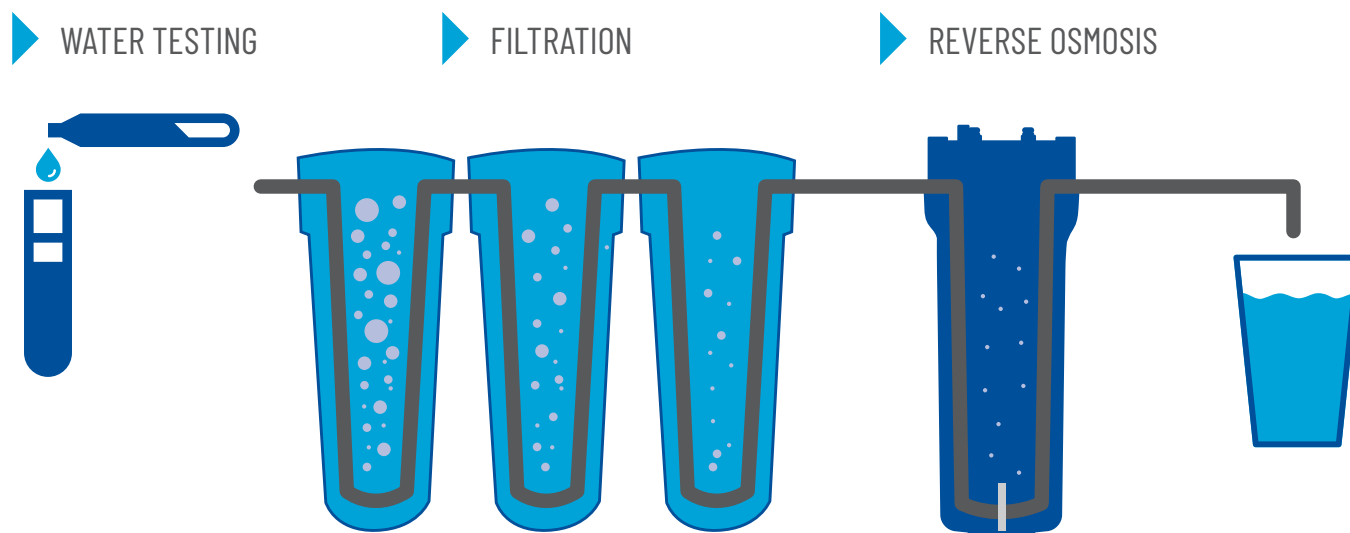
Low TDS water causes too many coffee oils and tea tannins to be released, resulting in bitter, oily flavor. High TDS water causes too few coffee solids and tea flavonoids to be released, resulting in weak flavor.

*Source: Scale Deposits and Efficiency Loss - Johnston Boiler, 2020

UNDERSTANDING YOUR WATER, FILTRATION AND REVERSE OSMOSIS

Why Test Your Water

Before you can improve your water quality, you need to understand your water. The first step in developing the right water treatment solution is a comprehensive water analysis. In addition to hardness, Pentair can measure your water's alkalinity, pH and total dissolved solids (TDS), all of which impact water quality and taste.



Water Treatment

- ▶ Water softeners exchange hard calcium and magnesium for softer sodium. This process helps curb limescale buildup on water-using equipment like water heaters.
- ▶ Filtration can remove other contaminants like particulates, chlorine and chloramines, but most filtration media only excel at removing certain contaminants to address some water issues but not others.
- ▶ The reverse osmosis process forces water through a semipermeable membrane, separating water from most substances dissolved within it for full-spectrum protection. RO is ideal for foodservice because it can remove virtually all scale forming minerals, taste, odor and TDS.

When to Choose RO:

- Conventional forms of scale control are not providing acceptable results.
- Water has an objectionable taste or smell.
- Recipe quality is affected.
- TDS levels in excess of 300 ppm are present.

For more information on water testing, call your authorized
Pentair dealer or email tech-support@pentair.com

WHY PENTAIR® EVERPURE® RO SYSTEMS?

Pentair Everpure Reverse Osmosis (RO) Systems provide compact, low-cost solutions for multiple foodservice applications and offer significant water savings over conventional RO systems.



Portfolio offering of solutions right-sized for your needs



Easy, sanitary quick-change filter replacement



Provide corrosion protection and 95%+ reduction in scale-causing dissolved solids



Controlled remineralization or blending valves to achieve the right balance of mineral content



NSF/ANSI Standard 58 certified on all Conserv models to reduce total dissolved solids



Wide range of options featuring compact design with storage tanks included



Proprietary Fibredyne® II filtration media effectively inhibits the growth of bacteria that can decrease filter life

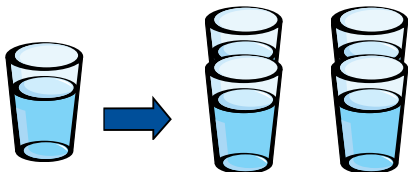
ECO-FRIENDLY RO SOLUTIONS BY PENTAIR

Our high-efficiency systems offer up to 75% water savings over conventional RO Systems

Water Savings per Gallon of RO Water Used

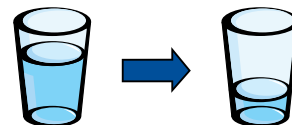
Conventional RO

For every 1 gallon of RO water used,
4 gallons of water goes to drain as waste.



Everpure Conserv HE-3 and MRS-600 Systems

For every 1 gallon of RO water used,
1/4 gallon of water goes to drain as waste.



80% savings with this system over traditional ROs

PENTAIR® EVERPURE® REVERSE OSMOSIS SYSTEMS FOR FOODSERVICE APPLICATIONS

Use these questions and the table below to find the right size RO system for your operation:





1 What applications in your operations require filtered water?

2 What filtered water production capacities do these applications require?

From here, your designated Everpure dealer or Pentair representative can help you determine which series model is right for your operation.

Pentair also has smaller capacity RO systems for operations with smaller production needs.

Selection Guide

RO Production (GPD)	Model	High Efficiency	 Steamers	 Combi Ovens	 Espresso	 Whole Kitchen (multiple application)
440 / 880 (expanded)	Conserv HE-3					
600	MRS-600HE-II					
600	MRS-600HE					
350	MRS-350CC-BL					
225	MRS-225-CC-BL					
50	Conserv RO-75E					
50	Conserv RO-75S					
70	Conserv LT-S					

RO REIMAGINED: SMART. EFFICIENT. EXPANDABLE.

▶ Introducing the Pentair® Everpure® Conserv® HE-3 Reverse Osmosis System



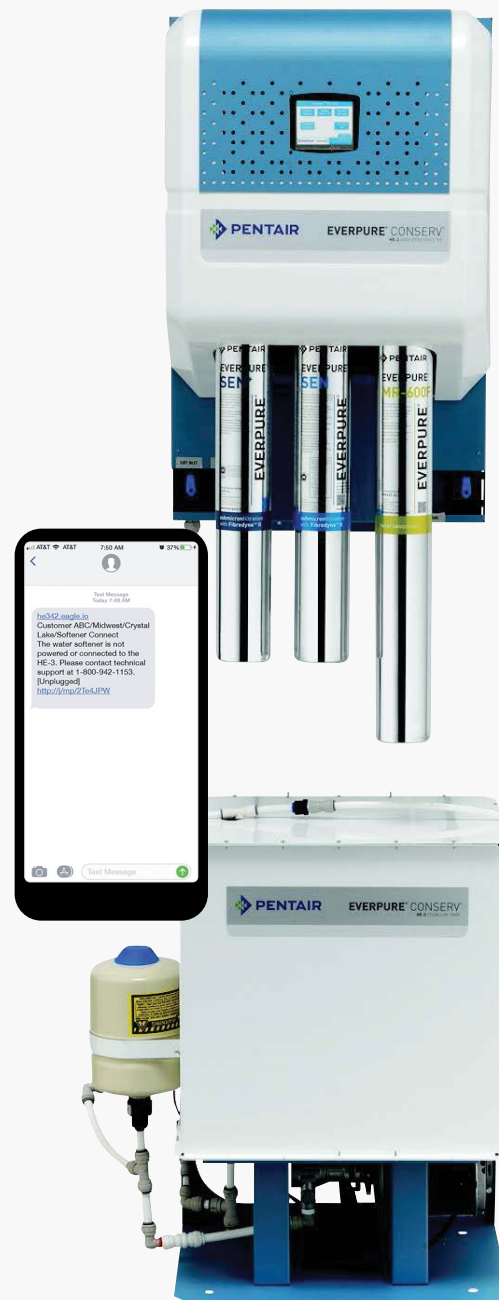
The HE-3 takes the high-efficiency performance of the Conserv family and pairs it with the Pentair exclusive remote monitoring technology, so you can be sure your system is always performing at its peak. Remote monitoring alerts you or your technician if cartridges need replacement, the system is in bypass mode, power has been interrupted and much more. Combined with the innovative and efficient Pentair Everpure CES-9100TS E-30C Twin Tank, Twin Sensor Water Softener, the HE-3 provides the ultimate protection for your water-using equipment and gives you complete control over your water quality.

High-volume, high-efficiency RO system with remote monitoring capabilities

- Versatility to handle multiple applications simultaneously, virtually eliminating the need for point-of-use filtration for every application
- Tailored blending process reduces the right amount of dissolved solids to achieve the desired final water quality
- Smaller footprint and higher cartridge capacity than previous models
- Exclusive plug-and-play expandability up to 880 gpd plus blend
- Includes non-pressurized storage tank designed to reduce annual maintenance costs
- NSF/ANSI Standard 58 certified to reduce cysts such as *Cryptosporidium* and *Giardia* by mechanical means and TDS

BETTER TOGETHER

When paired together, the HE-3 and CES-9100TS E-30C Twin Tank, Twin Sensor Water Softener provides total control over your water quality and the highest protection for your water-using equipment.



HIGH PERFORMANCE RO FOR LOW VOLUME APPLICATIONS

► Pentair® Everpure® Conserv® High Efficiency LT-S RO System



- Storage tank blending provides greater mineral balance consistency for scale control, corrosion inhibition and steam applications
- Can be wall-mounted
- 4-gallon storage tank included
- Capacity of 70 gallons per day
- NSF/ANSI Standard 58 certified to reduce TDS
- Ideal for small steam applications



► Pentair® Everpure® Conserv® High Efficiency RO-75S System



- Blending valve to adjust mineral balance as needed for scale control, corrosion inhibition and steam applications
- Includes unique onboard RO water storage tank for added capacity during periods of peak demand
- 50-gallon per day capacity
- NSF/ANSI Standard 58 certified to reduce cysts such as *Cryptosporidium* and *Giardia* by mechanical means and TDS
- Ideal for small steam applications



► Pentair® Everpure® Conserv® High Efficiency RO-75E System



- Blending valve allows you to adjust water to the ideal mineral content for better-tasting espresso and coffee
- Adaptable for ice applications via prefilter inlet
- Includes unique onboard RO water storage tank for added capacity during periods of peak demand
- Compact design permits wall mount, countertop or under-counter installation
- 50-gallon per day capacity; 2-gallon tank
- NSF/ANSI Standard 58 certified to reduce cysts such as *Cryptosporidium* and *Giardia* by mechanical means and TDS
- Ideal for small coffee and espresso applications



MAXIMUM RO OUTPUT WITH MINIMAL ENVIRONMENTAL IMPACT

▶ Pentair® Everpure® MRS-225-CC-BL System



- Configurable system delivers both pure RO water and a blend of filtered tap water and RO water
- Removes at least 90%+ of all dissolved solids that cause scale buildup to improve equipment life and performance
- Wall mount design allows for flexible installation
- Ideal for combi ovens and espresso applications
- Additional storage tank required
- Sanitary cartridge replacement is easy, quick and clean



▶ Pentair® Everpure® MRS-350CC-BL System



- Adjustable blending valve allows for controlled re-mineralization to create a blend of filtered tap water and RO water for optimal equipment protection and performance
- Removes at least 90%+ of all dissolved solids that cause scale buildup to improve equipment life and performance
- Additional storage tank required
- Sanitary cartridge replacement is easy, quick and clean
- Wall mount design allows for flexible installation
- Ideal for combi ovens and espresso applications



► Pentair® Everpure® MRS-600HE System



- Cartridges deliver twice the daily production volume of conventional RO membranes of similar size and are 80% more efficient
- Dual-output design provides both pure RO water and a blend of filtered tap water and RO water
- 6-gallon storage tank provides ample reserve for instantaneous demands
- Unique, dual-headed pump boosts output and overall system efficiency
- 2SR-BW cartridge inhibits scale formation, extending the life of the MR-600 RO Cartridge
- Microprocessor-based control with digital display provides system status and operator interface
- Requires additional submicron sediment and carbon filtration
- NSF/ANSI Standard 58 certified to reduce TDS
- Ideal for whole kitchen applications



► Pentair® Everpure® MRS-600HE-II System



- Cartridges deliver twice the daily production volume of conventional RO membranes of similar size and are 80% more efficient
- Triple pre-filtration cartridges reduce sediment, oxidizers and scale
- Dual post-filtration cartridges remove sediments, taste, odors and other undesirable water attributes
- Permeate boost pump reduces back pressure on RO membrane and maximizes system output and efficiency
- Inlet boost pump increases supply pressure for consistent water production
- Microprocessor-based control with digital display provides system status and operator interface
- Includes submicron sediment and carbon filtration
- Additional storage tank required
- NSF/ANSI Standard 58 certified to reduce TDS
- Ideal for whole kitchen applications





COUNT ON PENTAIR FOR WATER SOFTENING, TOO

Between higher maintenance costs and lower efficiency, the damage hard water can do to your operation is significant. Even foodservice applications that don't require the high quality of water provided by filtration do need softened water. Pentair Everpure commercial water softeners are an integral part of any foodservice operation's water treatment solutions and are the perfect companion for your RO System.

- **Equipment Protection**

Hard water wears on your expensive equipment, leaving limescale buildup behind and threatening equipment warranties.

- **Cost Savings**

Soft water requires less detergent, less water and less heat for warewashing and linen care, resulting in significant savings.

- **Peak RO Performance**

Hard water puts an unnecessary strain on the efficiency of your RO system. Mineral buildup causes RO filter membranes to wear out quickly, wasting water and energy in the process.



DELIVERING PERFORMANCE. **FOR LIFE.**

Pentair Everpure has set the standard for foodservice water quality worldwide for over 85 years. Thanks to our experience across applications and around the world, operations of all sizes trust us to provide the smart, sustainable water quality solutions they need.

Pentair knows that time, money and square footage are always at a premium in the foodservice industry.

That's why our philosophy has always been to right-size solutions to your operation, not take a one-size-fits all approach. With an unmatched selection of commercial products, we are your single-source supplier for water softening, filtration, high-efficiency RO and more.

But we're more than quality products. We go beyond products to offer outstanding customer service and extensive technical support. And because you have so much on your plate already, we offer comprehensive water management services that make your water extraordinary and keep it that way.



13845 Bishops Dr. | Suite 200 | Brookfield, WI 53005 | United States
P: 262.238.4400 | Customer Service: 800.279.9404 | tech-support@pentair.com | pentair.com

All indicated Pentair trademarks and logos are property of Pentair. Third party registered trademarks and logos are the property of their respective owners.

EV7017-84 SE20 © 2020 Pentair. All rights reserved.