

You could give your people

Culligan Water™

Top 10 Industries That Benefit From Water Treatment Solutions



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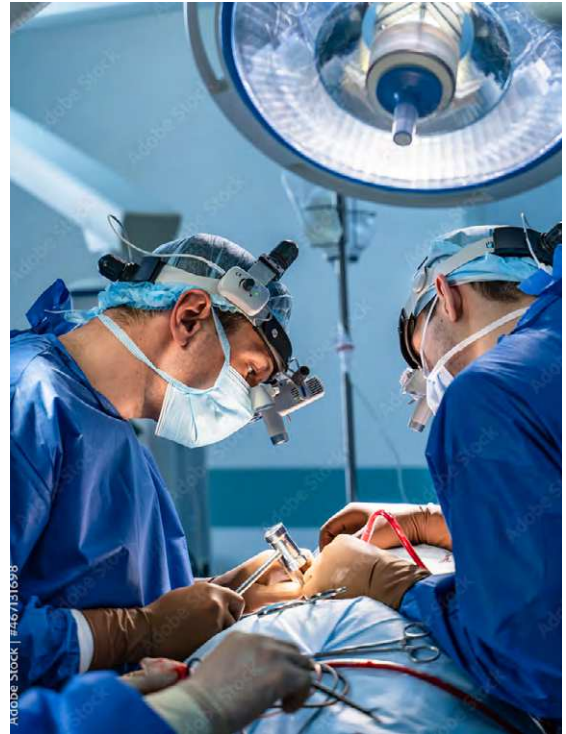
Companies in a wide range of industries rely on water to manufacture products, grow crops, maintain sanitary conditions, and more. From fabrication and processing to diluting, cooling, and transporting, water is used in nearly all aspects of production. It's also necessary for cleaning and drinking, but access to that water is only one consideration for these companies. They also need to ensure the water is pure enough to meet their needs. Untreated water could contaminate the product, cause someone to get sick, or leave residue that clogs equipment or creates unsightly spots on dishes or windows.

It's clear that water treatment is necessary for nearly any business, but different industries require different industrial water treatment solutions. The goal is always to reduce operational costs, use water efficiently, and achieve the desired level of purification based on the application.

Medical and Healthcare

Healthcare centers, hospitals, and pharmaceutical manufacturing facilities use water for climate control, cleaning and maintaining a hygienic environment, processing specimens, and more. It's essential that the water used for ice (consumption and cooling/storage), washing, and drinking is free of potentially hazardous microorganisms. Ultraviolet water treatment is a popular choice for sterilization in HVAC systems and drinking water.

Pharmaceutical facilities and testing laboratories need lab-grade or medical-grade ultrapure water. Industrial water deionizer systems are used to meet the strict industry standards for water that is free of organic materials and other contaminants.





Manufacturing

Industrial water treatment systems can help manufacturing companies protect their equipment and standardize their production by eliminating salts and contaminants that may be present in the water. Pure water will also help your equipment last longer and work more efficiently, thereby reducing maintenance and utility costs. One manufacturer, Georgia Pacific, was able to save more than \$52,000 per year in chemicals and energy by installing a reverse osmosis system.

Your custom water treatment solution may include water softening, dealkalization, reverse osmosis, ultraviolet sterilization, and more. Dealkalization is especially useful in preventing corrosion and prolonging equipment service life, while ultraviolet disinfection removes up to 99.99% of microorganisms without chemicals or major energy usage.



Food and Beverage

For food and beverage processors, restaurants, breweries, and pet food manufacturers, clean water makes the difference between a product they can sell and one that's contaminated and has to be discarded. Using impure water to make beer, for example, could alter both quality and taste, making it difficult to produce consistent results. In restaurants, commercial water treatment systems can create a more positive customer experience by ensuring clean, spot-free dishes and glasses and water that tastes good. As in manufacturing facilities, pure water helps your equipment run better and last longer, reducing your operating costs.

Filtration is often a first step in wastewater treatment, as well, because the water may contain food solids. However, that process doesn't remove inorganic solids, minerals, and salts, so additional treatment measures are typically used in conjunction with filtration.



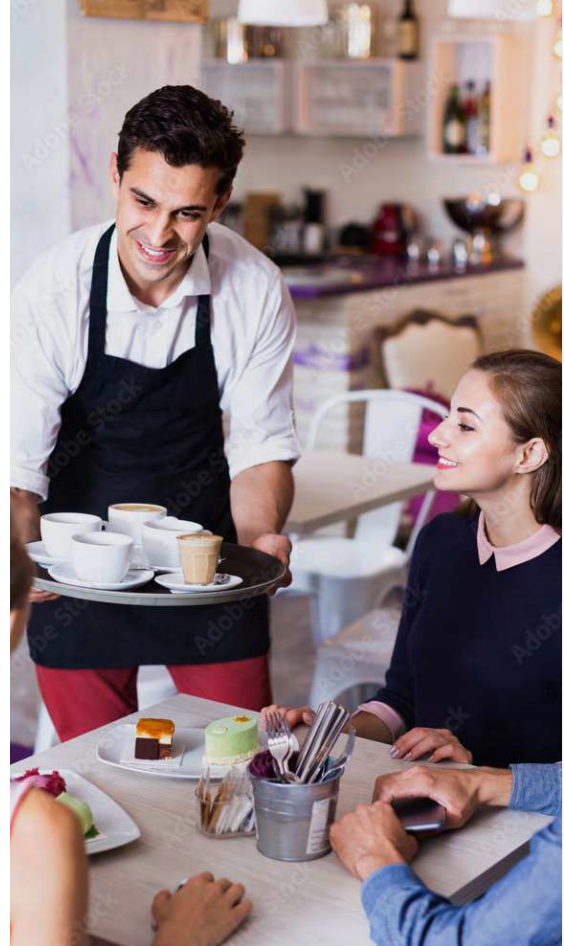
Energy and Power Generation

Failing to treat the water used in energy and power generation can lead to equipment damage and downtime; failing to treat wastewater can violate environmental regulations. With a focus on optimum performance, cost-effectiveness, and regulation compliance, your custom solution may include water pre-treatment, boiler feedwater, condensate polishing, cooling tower sidestream and blowdown treatment, and wastewater recycling and reuse.

Hospitality and Lodging

Commercial water treatment systems serve a number of purposes in hotels, truck stops, and other hospitality businesses. Water softening and filtration alone can deliver better-tasting water and help reduce your use of detergent, reduce scale buildup and lower your maintenance costs, and reduce overall operating costs. Your custom water treatment plan can positively impact your boilers, cooling towers, food service and dishwashing, laundry services, drinking water, and more. Reverse osmosis is an especially cost-effective way to improve the taste of drinking water while offering greater aesthetics in your food service with clearer ice cubes and spot-free dishes.

At the Four Seasons Resort and Club in Dallas, a new commercial water softener has helped them save about 35% on chemical and detergent costs, and they anticipate extending the lifespan of their linens by 40%.



Universities

From science labs to water fountains and food service, purified water improves campus life and safety for students, instructors, and visitors alike. With an effective water treatment system in place, educational institutions reduce wear and tear on boilers, chillers, water heaters, and more. It's always helpful to reduce maintenance costs, but on a large campus where you have many pieces of expensive equipment at work, prolonging service life can add up to major savings every year. Water treatment can also contribute to sustainability efforts, as less water may be needed for certain applications, you may be able to recycle some wastewater, and you may be able to reduce your usage of cleaning chemicals.

Fitness Centers

A good gym experience is a clean gym experience. Cleaning is made easier and requires fewer chemicals when the water is soft, since hard water can leave residue and diminish the power of your cleaning products. That residue can also clog pipes and showerheads, leading to increased maintenance costs. Your commercial water treatment system will contribute to a better experience for your members in the pool, in the shower, and at the drinking fountain, as well.



Retail

In any type of building, soft water reduces the scale buildup that interferes with the efficiency of your pipes, plumbing, evaporative condensers, and more. A water softener can help you control the costs of heating and cooling, maintenance and repair, cleaning chemicals, and more. Filtration and purification gives your employees access to pure drinking water throughout their shifts.

Municipalities

Water quality varies by geographic region, and municipal water treatment plans can be customized to address the specific needs for ultra purification, disinfection, or water softening in your area, so you can provide clean drinking water to the population—as well as emergency response water treatment solutions during catastrophes. Commercial ultraviolet water treatment is one popular solution for municipalities because it's highly effective and affordable.





Agriculture

Farming requires a lot of water for irrigation and pesticide application, raising livestock, cleaning equipment, and more. While raising livestock is often under scrutiny for the amount of water it requires, growing grains, fruits, and vegetables actually requires more water—and some crops, like wheat and rice, demand even more than others. At the same time, farmers are facing water shortages and dry conditions, so the more efficiently they can use the water they have, the better it is for their business and for the consumers who rely on their production.

Hard water can clog hoses and other equipment, adding time delays and increasing maintenance costs. Customized water treatment can help you meet organic or kosher requirements (by purifying the water without the use of chemicals, for example), reduce wastewater, and even recycle and reuse wastewater.



Custom Water Treatment Solutions from Reynolds Culligan

Reynolds Culligan has more than 70 years of combined experience in commercial and industrial water treatment solutions, and we have the expertise and technology to meet the requirements for nearly any industry and application. Our range of products include reverse osmosis systems, water softeners, deionizers, filters, and more, and our services and solutions are customized to meet your needs for drinking, irrigation, chemical processing, recreation, and other applications.

[Contact us](#) to learn more about commercial and industrial water treatment solutions and how we can help you reduce operational costs, create a more positive experience for your customers and employees, and build a more sustainable business. We can help you determine which systems are right for your facility, or if you already know what you need, you can [request a free estimate](#) today.

About Us

Culligan International is a world-wide industry leader in water treatment. Founded in 1936, Culligan has been designing and manufacturing water treatment equipment for 85 years in order to provide better water to homes, offices, businesses, and industrial

facilities around the world. Culligan's only business is water treatment. Since all of our attention is on water, we hold more patents on water treatment equipment and processes than anyone else in the world.

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