



# Where Can UV Be Used?

Short Answer: Everywhere!

Ultraviolet (UV) treatment of drinking water has been growing steadily in popularity, as people search for a simple and effective solution to protect their water from microbial contaminants.

In many jurisdictions, campgrounds, churches, and even golf courses are considered “small drinking water systems.” Why? Because they’re all places where the public can get drinking water. In these circumstances, any water that is served by a private water supply needs to be treated. The regulations are also likely to specify that if UV is chosen for water treatment, the system will need to conform to NSF Standard 55 Class A. Systems certified to this protocol are rigorously tested to ensure a UV dose of 40 mJ/cm<sup>2</sup> to inactivate microorganisms, including protozoa and viruses, from contaminated water.

Many systems in the VIQUA PROFESSIONAL series have been tested and certified under the rigors of the NSF 55 Class A protocol and can be applied in any regulated drinking water application.

## Benefits of UV treatment

- Does not produce disinfection byproducts\*
- Is easy to install and service
- Is an economical and energy-efficient solution
- Addresses common waterborne pathogens—including *cryptosporidium*, *giardia*, *pathogenic E. coli (STEC/VTEC)*, *campylobacter*, *legionella*, *salmonella*, *shigella*, *norovirus*, *enterovirus*, and *hepatitis A virus*†
- Is recognized by public health agencies as an effective water treatment

\* Even where disinfection residual is required, using a multibarrier approach (UV plus reduced chlorination) can deliver better water while reducing the risk of exposure to chlorination byproducts.

† Efficacy of VIQUA systems has been demonstrated in internal testing. Visit [VIQUA.com](http://VIQUA.com) for details.



### Schools, daycares, eldercare, and healthcare facilities

Protect people who are most susceptible to infection: the young, the elderly, and those with compromised immune systems.



### Restaurants, hotels, and resorts

Enhance the taste of food and beverages with high-quality water, and protect reputations and livelihoods by ensuring all water is appropriate for use.



### Dental practices

Enhance infection control practices. UV systems delay the formation of biofilms within plastic tubing that transports water to handpieces and air-water syringes.



### Vending

Don't compromise the taste of coffees, teas, and soft drinks. Protect water supplies for vending facilities even during boil water advisories.



### Cottages, camps, RVs, and boats

Protect all outdoor enthusiasts by delivering consistent, high-quality water, regardless of whether the water source is a lake, a well, or an on-board supply.



### Dairy and livestock

Protect a livestock's water supply, so they can avoid infections, grow faster, produce more milk, and better contribute to the food supply.



### Offices and public buildings

Ensure the quality of the water provided for employees and visitors in washrooms, drinking fountains, and water features.



### Rainwater

Treat harvested rainwater to prepare it for potable use.

