



Take Back  
Your Tap



**Today, more than ever, people just like you are concerned about the water in their homes.**

With all the press about outbreaks of waterborne illnesses, boil water advisories, and water infrastructure issues, keeping your family safe from waterborne illnesses is top of mind – and so it should be.

The quality of your drinking water can change from day-to-day, season to season. Even if your tap water is safe today, contaminants can infiltrate wells and aquifers, and aging infrastructure can lead to an increased risk of contamination. In fact, boil water advisories are becoming more and more common, even in large cities. It's not surprising you're concerned.

## What you can do

Well, you have a few options.

- 1 Continue drinking your tap water.
- 2 Buy bottled water. That only addresses the problem for your drinking water, though. What about water for cooking? Showering? Brushing your teeth?
- 3 Start disinfecting the water coming into your home so that every tap gives treated water.

## Water disinfection options

Not all water disinfection technologies are created equal. For example, chemicals can be both dangerous to handle and potentially hazardous to the environment – and some waterborne illness-causing microbes are chlorine-resistant. Reverse osmosis wastes on average three gallons of water for every one gallon it purifies, and is no longer recognized as a barrier to microbiological contamination. Filters can improve taste, but they generally don't treat microbiological contaminants.

There is an option that addresses all of these issues: ultraviolet (UV) disinfection.

## UV technology isn't new.

UV has been used since the early 1900s as a way to eliminate the health threat of microorganisms in water. At VIQUA, we've been refining and perfecting the technology for use in homes since the 1970s.

## How UV works

Water is disinfected as it runs through a stainless steel chamber containing a UV lamp. As water flows past the lamp, illness-causing microorganisms receive a lethal dose of UV light that attacks their DNA and eliminates their ability to reproduce, inactivating them. Inactivated is as good as dead. When they can't multiply, they can't cause infection, so they're harmless.



## Chlorine-resistant microorganisms

By installing a UV system, you're disinfecting against chlorine-resistant microorganisms, such as *Cryptosporidium* and *Giardia*. All water systems can be vulnerable to these microbes given the right conditions. *Cryptosporidium* is resistant to chlorine and has become a common waterborne disease everywhere. This microscopic bug was responsible for many deaths and widespread illness when it contaminated the Milwaukee, Wisconsin, drinking water supply in 1993, sickening over 400,000 people and killing over a hundred.

But not all events are so high profile. Every year, thousands of cases of illness caused by *Cryptosporidium* and *Giardia* are documented by the Centers for Disease Control and Prevention (CDC), despite the amazing efforts made to keep our water safe. And according to a recent study published in the United States, as many as 19.5 million cases of illness every year can be attributed to contaminated drinking water.

## Think UV. Think VIQUA.

UV water disinfection is a chemical-free way to treat water. Even chlorine-resistant microorganisms are made harmless through UV exposure. Lack of chemicals means no harmful chemical byproducts are going back into the environment, and the taste of your water is not affected in any way. VIQUA's UV systems install easily into existing water lines and provide disinfected water to every tap in your house.

Our UV systems are also extremely economical to operate. A typical whole home system uses the same power as a 40-Watt light bulb.

Depending on the size of your home, the current quality of your water, and your water source, we can provide a system to meet your needs. Please refer to our handy system sizing chart on the back of this pamphlet to see what kind of system would work for you and your family.

## Maintenance in minutes

Replacing the UV lamp once a year and occasionally cleaning the quartz sleeve that surrounds the UV lamp (minerals in your water may form a coating) are your only regular maintenance requirements.

## System sizing chart

Model	Typical Uses
VT1, VT4, S2Q-PA, VT1-DWS, VT4-DWS	Single Faucet
S5Q-PA, SV5Q-PA	Small Home or Cottage
D4-V, D4-V+, D4, D4+, S8Q-PA, SV8Q-PA, VH200, VH200-F10, IHS12-D4, IHS22-D4	Average Home
E4-V, E4-V+, VH410, VH410M, VH410-F20	Large Home

### Warranty

Lamp – 1 year

Controller – 3 year full

Chamber – 10 years

### Operation & Maintenance

- Compact design
- Easy to install
- Simple to maintain
- Full electrical safety validation with added safety features

### Performance

- Superior UV lamp power enabling higher treatment flow rates
- Third party disinfection performance validation

## About VIQUA

VIQUA is proud to be the world's leading supplier of residential UV systems, providing disinfected water without the use of chemicals. Whether you choose a point-of-entry or a point-of-use system, your VIQUA UV system will disinfect your drinking water, helping to protect your water from microbiological contaminants.

For more information, visit [www.viqua.com](http://www.viqua.com).



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