Gmail REALTOR Brandi Files-Bertrand <branditxrealtor@gmail.com>

Whole House UV (Ultraviolet) water sanitizer
1 message

REALTOR Brandi Files-Bertrand <branditxrealtor@gmail.com> Fri, Jan 9, 2026 at 8:16 AM
To: REALTOR Brandi Files-Bertrand <BrandiTxRealtor@gmail.com>

WHY USE A UV WATER FILTER?

There are a whole lot of nasty contaminants beneath the “microorganism” umbrella. The term “micro-organism” or “microbe” refers to any living organism in your water. This includes bacteria, viruses, parasites, and cysts. Some commonly known microbial contaminants are; legionella, giardia, and E.coli. Ingesting these can cause problems ranging from violent gastrointestinal illness to pneumonia.

Disinfection is a huge part of any water treatment process. That’s because microbial contaminants like parasites, bacteria, and viruses are common and dangerous.

> *Water that is not disinfected by a city or water supplier, as with private wells, is vulnerable to these dangerous contaminants. With chemically treated water, there is a constant push and pull because of the harshness of the chemicals being used.”*

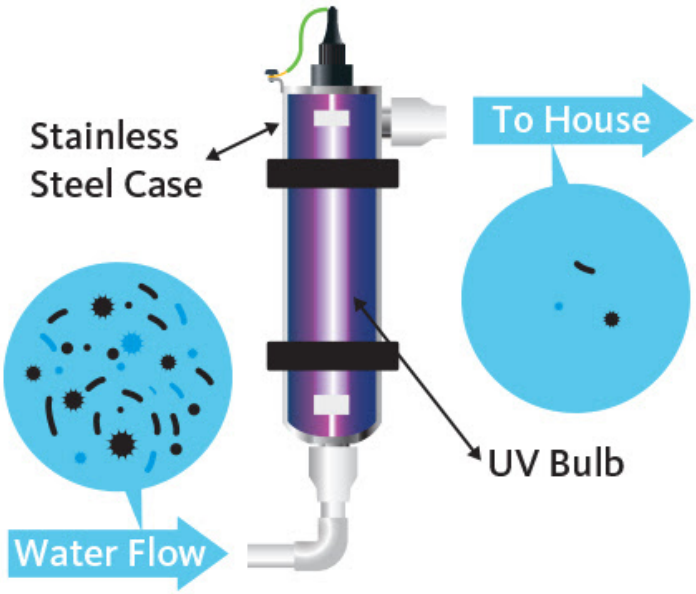
It takes an unsavory amount of chlorine or chloramine to effectively disinfect water. Plus, there are chlorine resistant microns out there. If you want your water to be microbe-free, you’ve got three options; drink pool water, boil all of your water, or use UV water purification (hint: pick UV).

HOW DOES A UV WATER FILTER WORK?

People typically link ultraviolet light to tanning beds or even nail salons. Hark back to those elementary school days and remember that ultraviolet light comes from the sun. Its wavelengths are of a higher frequency than visible light. UV photons have higher energy, and can cause ionization in atoms. This means that UV radiation can break chemical bonds and damage cells so that they can’t reproduce.

Fun Fact: Many of us have experienced the cell-damaging power of UV rays. Sunburns are a result of exposure to UV light radiating from the sun. When that power is safely harnessed, as with our UV bulb, it kills 99.99% of microbial contaminants without the use of chemicals!

While UV light does come from the sun, there are a number of ways to generate it artificially. One of the most common ways to produce it is by passing an electric current through vaporized mercury or other gas. While this might sound high tech, the practice is so common that most people sit beneath a tube of the stuff everyday—fluorescent lights first produce UV rays before re-emitting visible light via their fluorescent coating.



It's actually fairly simple. Water is pumped into a chamber which houses an ultraviolet bulb. The ultraviolet rays produced are fine-tuned to a frequency that best attacks microbes. These rays pierce the cell walls, damaging contaminants and their DNA so that they can't reproduce. This renders dangerous contaminants, such as E.Coli and giardia, completely harmless.

The use of UV filtration can be found at all levels of water treatment. Not only is it known to be an effective way to eliminate the dangers of bacteria and viruses, it does so without tainting the water with harsh chemicals.

ADVANTAGES OF UV WATER PURIFICATION

UV filtration is a great way to make your water safer, so take a look at some of the main reasons why it's so popular:

- **Eliminates Microorganisms**: UV water filters are incredibly effective, as they eliminate up to 99.99% of microorganisms such as bacteria and viruses.
- **Safety**: UV filters do not use any dangerous chemicals that can have negative health effects
- **Easy Installation/Replacement**: Aquasna's UV water filters easily attach to our whole house systems, and replacement is as simple as changing a light bulb once a year.
- **Environmentally Friendly**: Unlike some water filtration methods, UV water purification doesn't waste any water through the process and emits no by-products.

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Thank you Realtor, Brandi Bertrand
832-929-9086
BrandiTxRealtor@gmail.com
www.Har.com/TxRealtor