

## 7 Steps to Pure Water

TahoeWaterFilters offers a green advantage over other filtrations systems that has been developed from research spanning more than 15 years. The result is the most advanced whole house water treatment system available today. With our Tahoe system we clean the water for your entire house using the following seven stages of treatment. And we do it without adding salt or wasting water.

1. **Electronic Conditioning** breaks the ionic bond between minerals and water so they fall out of solution. These minerals then bond to each other keeping them available as a mineral nutrient for your health, while preventing them from building up on hot surfaces or reducing the effectiveness of soaps and detergents. This process is called structuring the water. Besides reducing scale and increasing the efficiency of detergents, the free water molecules cause it to be a better solvent for holding more minerals in solution, and are more easily absorbed by the cells of our body.
2. **Redox Fluidized Bed** uses the phenomenon called redox, short for reduction/oxidation, a chemical process where electrons are exchanged between dissimilar metals, causing oxidation. The process has a purification effect on water. Heavy metals in the water plate to process media particles while free chlorine is destroyed through the oxidation process. The KDF® process media is bacteria static and classified by the EPA as a pesticidal device.
3. **Sub-micron Absolute** filtration removes particulates, turbidity and parasites with 99.999% efficiency. This filter media has 10 times the capacity of low end filters.
4. **One Micron Coconut Shell Carbon Block** absorbs chlorine, chloramines, disinfection byproducts, pharmaceuticals, organic compounds as well as their taste and odors. One micron porosity acts as a pre-filter to the second stage of carbon filtration.
5. **Half Micron Coconut Shell Carbon Block** the same superior absorption characteristics as the one micron coconut carbon block, but with half micron porosity to trap what toxins remain.
6. **Electronic Conditioning** structures the water again to boost the softening effect after the filtration process and before exposure to ultra violet light. This insures a strong signal to prevent the UV light and the household plumbing system from scaling with mineral deposits.
7. **Ultra Violet Light** is deadly to bacteria, viruses and parasites. As a final solution to any organisms that might remain, the water is radiated with UV rays, the purification process of the system. A small amount of ozone results, oxygenating the water in the process. Available with NSF certification.