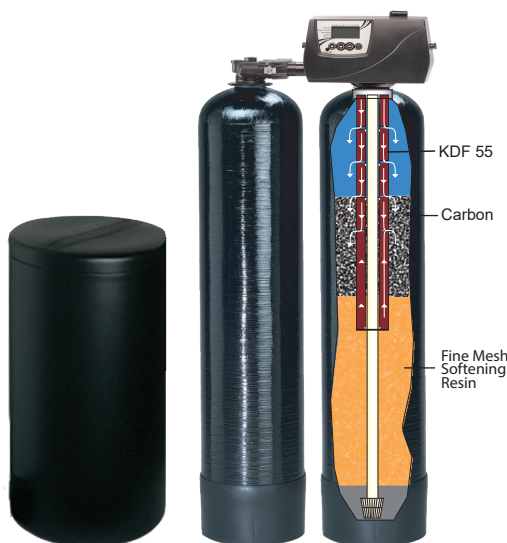


BioShield Twin Alternating Residential Water Treatment System



Essential Water Treatment's exclusive BioShield Whole House Water Treatment System uniquely combines the filtration and softening of your households water into one single system. Its unique twin alternating design enables it to regenerate immediately when needed for continuous soft water. It also saves on salt and water by using 100% of each tanks capacity before switching to the second tank. This along with regenerating with soft water makes BioShield the most efficient water filtration and softening system on the market. The BioShield system utilizes the Patented KDF 55 Process Media which is highly-effective in reducing contaminants in water. KDF 55 Process Medium is a copper-zinc alloy that reduces contaminants such as chlorine, bacteria and heavy metals using a chemical process called redox, or oxidation reduction.

During redox, free electrons are transferred between molecules turning previously harmful substances such as chlorine into a benign substance like chloride. KDF 55 Process Medium's unique redox process, which removes up to 98% of inorganic water-soluble heavy metals from filtered water, is protected by 14 US patents and numerous foreign patents. KDF 55 Process Medium is ideal for use with Granular Activated carbon. When used before the Carbon Filtration stage, KDF 55 Process Medium reduces inorganic contaminants in the water before they get to the carbon bed, thereby maintaining the GAC's ability to adsorb organic contaminants. This translates into greater performance and longer life of Water Softening Resin.

Utilizing KDF 55, Granular Activated Carbon and Fine Mesh Water Softening Resin, the BioShield Water Treatment System effectively removes the following:

- ▶ Water Hardness
- ▶ Chlorine Ammonia & Odors
- ▶ Heavy Metals
- ▶ EPA Registered as a Bactericidal Media
- ▶ Dirt
- ▶ Rust
- ▶ Sediment



KDF 55 Media

Granular
Activated
Carbon

High Capacity
Fine Mesh
Softening Resin