

BioShield Residential Water Treatment System



Essential Water Treatment's exclusive BioShield Whole House Water Treatment System uniquely combines the filtration and softening of your household's water into one single unit. Utilizing the Patented KDF 55 Process Media provides a highly-effective means of 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 (GAC) filters. 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.

Essential Water Treatment's BioShield effectively removes the following:

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

