

## Residential Water Treatment Systems



Water Techniques exclusive BioGuard Whole House Water Treatment System uniquely combines the filtration and softening of your households water into one single unit.

Utilizing the Patented KDF 55 Process Media, The BioGuard 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 GAC 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 the carbon and water softening resin contained in the system.

The Water Techniques BioGuard effectively removes the following:

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



**Patented KDF 55 Media**

Specifications:

MODEL	SIZE	CU/FT	CAPACITY	FLOW RATE	DRAIN	MEDIA TANK	BRINE TANK	SALT CAPACITY
WT4710BG	1.0	1.25	38,000	14 GPM	1"	10" x 57"	14" 38"	250 LBS
WT5410BG	1.0	1.5	45,000	16 GPM	1"	10" x 54"	18" 35"	350 LBS
WT5212BG	1.0	2.0	60,000	20 GPM	1"	12" x 52"	18" 40"	450 LBS