

# KDC FILTER SYSTEM

The alternative to a Water Softener



## KDC FILTER SYSTEM

**EXPECT LESS!!**

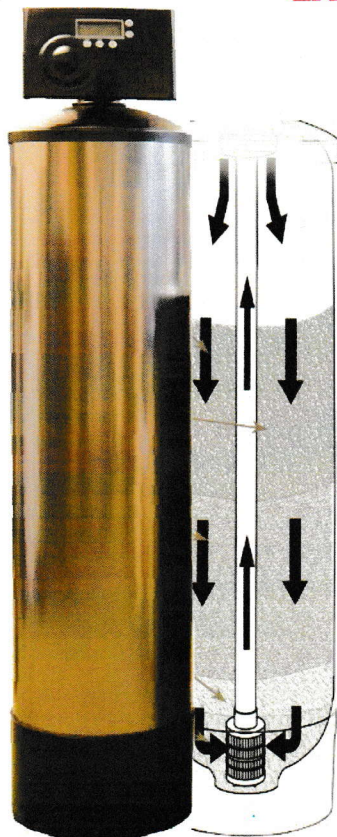
Less bacteria

Less scale build up

Less free chlorine

Less filter maintenance

Less heavy metal content



The KDC Filter System is designed for whole home water filtration.

Reducing Chlorine, Organics & Heavy Metals from your water, leaving fresh, clean tasting water.

The KDC Filter System uses a mix filtration media bed of Quartz, Coconut Shell Activated Carbon & KDF-55 Media.

All components are ANSI, NSF or WQA certified.

KDC Filter systems have no chemical regeneration.

KDC Filter systems require NO SALT OR POTASSIUM.

Media Bed Service life expectancies of 5-10 years between media changes - depending on KDC size & raw water quality.

KDC Systems should NOT be installed on water of unknown quality.

KDC Systems Should NOT be installed on waters that are microbiologically unsafe.

- KDC Filter Systems are designed to improve water quality at every tap throughout your home. Giving you cleaner, healthier, better tasting water at every tap.
- KDC Filter Systems can be installed in conjunction with a water softener, as either Pre-Filtration or Post Filtration to the water softener. **KDC SYSTEMS DO NOT SOFTEN WATER!**
- KDC Filter Systems are designed for: The reduction of Chlorine, Heavy Metals & Organics, which can cause offensive odors & tastes in your water.

QUALITY YOU CAN FEEL, & A NAME YOU CAN TRUST



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## KDF® 55

When you use **KDF® 55 Process Medium** ahead of the granular activated carbon (GAC) stage in point-of-use (POU) water filters, you do three things.

One, you offer your customers a lot less than they're used to:

- Less bacteria
- Less free chlorine
- Less heavy metal content
- Less scale buildup
- Less filter maintenance

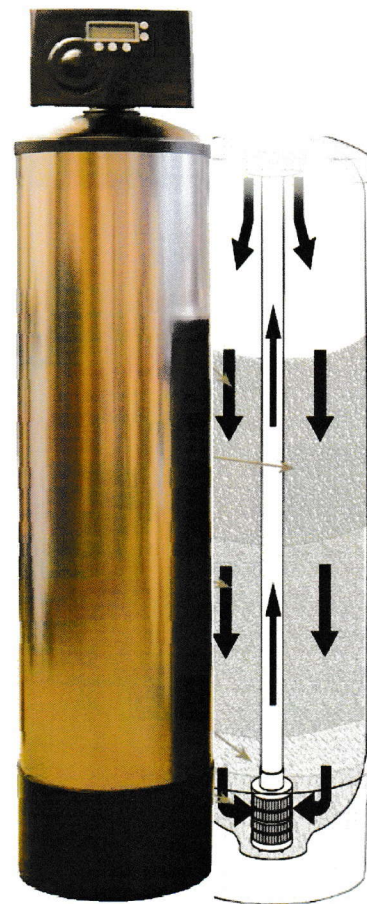
## Coconut Shell-High Activated Carbon (CS-HAC)

### ADVANTAGES

- CS-HAC is an outstanding material for applications requiring taste, odor and dissolved organic chemical removal from water with suspended matter present. This product can be used for filtering waters having a wide range of pH levels.
- Large surface area results in an exceptionally high capacity and efficiency.
- Balanced pore structure gives a more efficient adsorption range.
- CS-HAC is very durable so losses due to attrition are kept to a minimum.
- CS-HAC has a very high carbon-low ash content.
- Service rates of 5 gpm/sq. ft. are practical for ordinary taste, odor and chlorine loads.
- CS-HAC will impart a high "polish" to the filtered water.

### CONDITIONS FOR OPERATION

- Water to be filtered should preferably be free of oil and suspended matter
- The water to be filtered should be relatively free of iron and turbidity for maximum service life
- Water pH range: wide range
- Bed depth: 26-30 in.
- Freeboard: 50% of bed depth (min.)
- Service flow rate: 5 gpm/sq. ft.
- Backwash flow rate: 10-12 gpm/sq. ft.
- Backwash bed expansion: 30-40% of bed depth
- Upon installation, backwash to remove carbon fines before placing unit into service



One of the most common applications for Clack Coconut Shell-High Activated Carbon (CS-HAC) is the reduction of the undesirable tastes and odors present in many chlorinated water supplies. CS-HAC has been successful for many years in the reduction of free chlorine from water supplies. The end product is clean, fresh water with no objectionable taste or odor characteristics.

CS-HAC requires periodic backwashing to eliminate accumulated suspended matter and to re-grade the filter bed. CS-HAC has an extremely high capacity but must be replaced when the filter bed loses the capacity for reduction of taste and odor. CS-HAC may be used in either domestic or industrial applications using gravity flow or pressurized filter vessels.