



*Solutions for economical clean water.*TM kdfft.com

Providing you with clean water for you and your family

Less bacteria, chlorine, heavy metal content, other contaminants, and odors at the point-of-use



FLUID TREATMENT, INC.





KDF® 55 Process Medium

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

Two, you enhance the performance of the carbon.

Three, you also extend the useful life of the carbon.

Proprietary Process Media

No one else—and we stress no one else — can offer you the purity or all of the benefits of using KDF Process Media. Period. In addition to KDF 55 Process Medium for POU water filters, KDF Fluid Treatment, Inc. manufactures KDF Process Media in other forms for other specific water filtration applications.

How KDF 55 Process Medium Works

KDF 55 Process Medium is a high-purity copper-zinc alloy. When used in a water treatment unit, it undergoes a chemical process known as redox.

Redox is short for oxidation-reduction, which is a chemical reaction where electrons are transferred between molecules. In some cases, such as free chlorine, this transfer results in the formation of benign substances, such as chloride in this case, which then passes through the filter. In a similar way, copper, lead, mercury, and other heavy metals react to plate out onto the medium's surface effectively being removed from the water supply. KDF 55 Process Medium is so effective that it removes up to 98% of inorganic water-soluble heavy metals that are a concern to many public health officials and many consumers.

In addition, KDF 55 Process Medium controls microorganisms and reduces lime scale in problem areas like showers and tubs. KDF 55 Process Medium even changes waterborne calcium molecules that inhibit scale buildup and improves the taste of some of your favorite beverages.

Ahead Of The Carbon, Ahead Of The Game

KDF 55 Process Medium is the ideal complement to GAC. Because GAC removes chlorine by surface chemistry, it actually fosters bacterial growth. But, unlike carbon, KDF 55 Process Medium is truly bacteriostatic. The electrolytic field created by the redox process is

an environment deadly to some microorganisms; it also creates hydroxyl radicals and hydrogen peroxides that interfere with the ability of some other microorganisms to function.

So...The Big Question Remains:

Why Use KDF® 55 Process Medium In Your Filters?

Start with Purity. It's protected by US and foreign patents and certified safe by the USEPA. There's nothing else like it. Nothing! Then consider Performance. It gets the job done. It works in cold or hot water, in large or small systems. How about its Cost Effectiveness? It pays for itself by reducing your system maintenance, extending the life of some system components and protecting other components, and eliminating the need for expensive and toxic silver-impregnated media. Flexibility. KDF® 55 Process Medium works by itself or with other components, in POU or POE systems. Recyclable. Carbon might not be but KDF 55 Process Medium most certainly is. EPA-approved. No red tape. Unparalleled Tech Support is available on our toll-free 800 line. It's Non-toxic.



January 2, 2023

Ready to Install
Water Filters
Ready to Install
Reverse
Osmosis
Ready to Install
Water
Softeners
Ready to Install
Chlorine
Systems
Dispensers &
Chillers
Housings
Cartridges
Filter Accessories
Test Equipment

Our Valued Customers

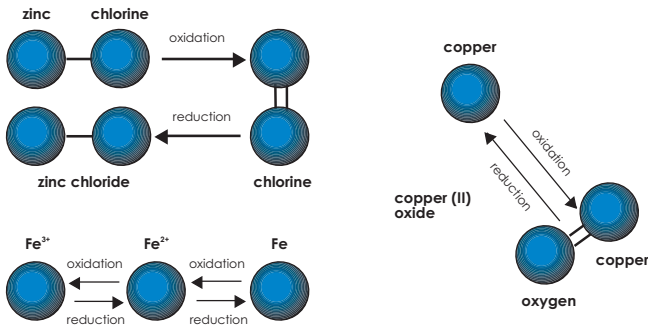
On behalf of H₂O International Inc. I thank you for choosing our range of water filtration systems that incorporate KDF media technology. KDF Fluid Treatment (KDF) has been a long-standing partner for over 30 years and their outstanding service and patented products have helped us to differentiate ourselves from other manufacturers of similar products.

We have worked closely with KDF during the design and development phase of all of our products, all the way to production. We use the optimum quantity and formulation of KDF media and together with the finest Coconut Shell Granular Activated Carbon (GAC), you can be assured your water will be free of contaminants affecting color, taste and odor such as chlorine and chlorine by-products; as well other contaminants that may be present in the water.

We at H₂O are committed to providing you with the best quality components and the best products available at an affordable price.

Sincerely,

Guillermo Guzman
Chief Executive Officer



As a result of the chemical reactions induced by KDF[®], the media completely or partially removes:

Contaminant	Level in untreated water (in ppm)	After treatment with redox filter medium
● Chlorine	75	0.01
● Arsenic	5	0.01
● Asbestos	100	0.1
● Cadmium	5	0.01
● Chloroform	1	0.002
● Chromium	5	0.01
● Coliform Bacteria	2000*	1*
● Hydrogen Sulfide	10	0.01
● Lead	2.05*	0.1
● Lindane Pesticide	5	0.002
● Malathion Pesticide	5	0.002
● Mercury	1	0.001
● Salmonella Bacteria	2000*	1*
● Silver	1	0.01
● Trichlorethane	1	0.002

*Counts per millimeter.
This table is a compilation of test data from research on the capabilities of redox media



FLUID TREATMENT, INC.