



PROUDLY ENDORSED BY



What is KDF85®?

PATENTED KDF PROCESS MEDIA ARE HIGH-PURITY COPPER-ZINC FORMULATIONS THAT REDUCE CONTAMINANTS IN THE WATER USING OXIDATION/REDUCTION (REDOX).

H2O | BWT International makes use of KDF process media in all its purifiers, which serves to:

Improve these technologies

Provide extended life

Lower total costs

Decrease maintenance

Control micro-organisms

Improve performance

What does KDF85® do?

Controls chlorine and heavy metals

Controls bacteria, algae and fungi

The redox reaction exchanges electrons with contaminants. This changes many contaminants into harmless substances.

KDF® process media controls micro-organisms in two ways:

The exchange of electrons sets up an electrolytic field that most micro-organisms can't survive and creates a by-product of this redox reaction.

The process of forming hydroxyl radicals and peroxides from the water molecules interferes with the functioning of the micro-organisms.

A

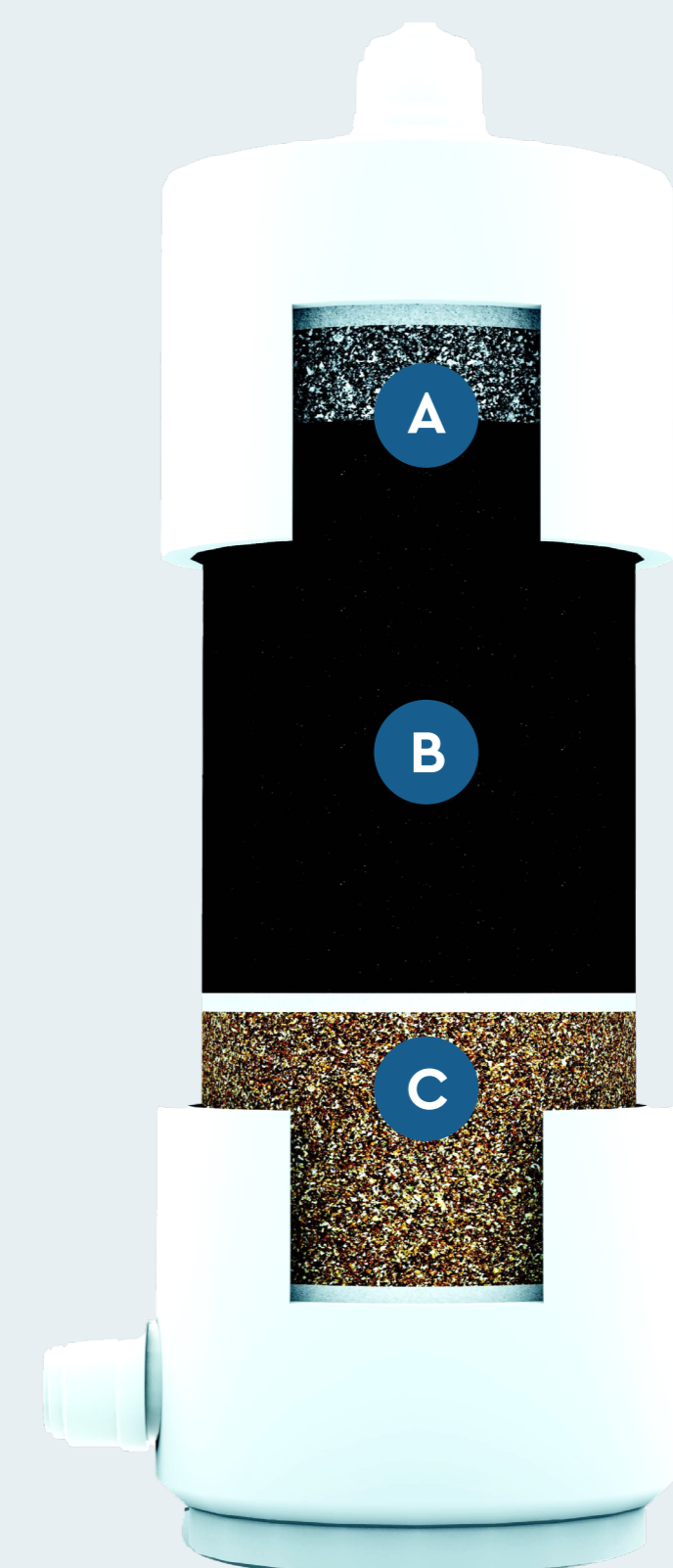
Granular Activated Carbon (GAC) – provides protection for home drinking water from chemical compounds including chlorinated hydrocarbons in pesticides, herbicides and industrial solvents. **GAC** is an effective media for the removal of these contaminants, absorbing chlorine, chemical compounds, gases, and protects water from tri-halomethanes (THM's), PCE's, EDB's, PCB's, DBCP's, nitrobenzene and radon. **GAC** also traps organic material, removing bad tastes, colour and odours.

B

Riolyte® is a unique formula added to countertop & undercounter models which contains mineral components that are mixed into the media bed. **Riolyte®** releases the minerals into the water, making it more palatable, as well as improves the PH of the water.

C

Although **GAC** sufficiently corrects 85% of today's household water problems, we have also added the patented **KDF®** to our systems. **KDF®** significantly removes iron, aluminium, sulphur, heavy metals (lead, mercury, arsenic & others) and kills bacteria, fungus and algae. **KDF®** makes our units completely bacteriostatic and the life of the cartridge is prolonged.





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Application of KDF85®

THE REMOVAL OF CHLORINE FROM MUNICIPAL WATER SUPPLIES

KDF58® process media is used by H2O products international in South Africa in all filters, often in conjunction with activated carbon filters and, results in the removal of up to 99% of the chlorine in municipal water.

KDF58® media extends the carbon's life and protects the bed against bacterial growth. KDF85® also removes up to 98% of lead and other heavy metals that are a growing concern to public health officials.

PROTECTING REVERSE OSMOSIS SYSTEMS

KDF85® is also used to protect reverse osmosis (RO) water purification systems from chlorine degradation and bacterial contamination. Activated carbon is quickly exhausted by heavily chlorinated water and must be carefully monitored for chlorine breakthrough and build up. The use of KDF85® process media provides consistent, long-term protection for RO systems as they have high chlorine removal rate and provide effective bacteria and fungi control.

KDF85® IS USED BY H2O PRODUCTS AND IS THE MOST EFFECTIVE FOR REMOVING CHLORINE AND WATER-SOLUBLE HEAVY METALS.


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Our valued customers in South Africa

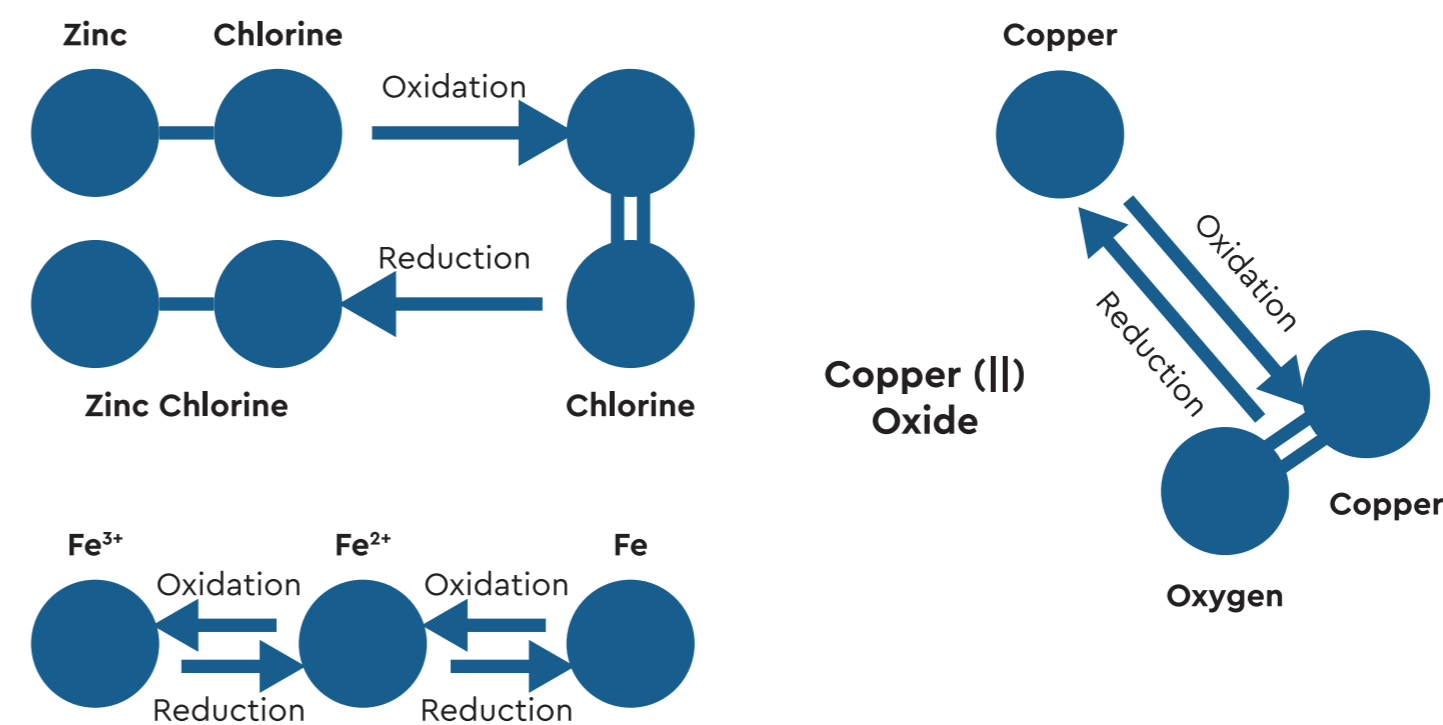
On behalf of KDF Fluid Treatment, Inc. I thank you for choosing water filtration systems incorporating our KDF media technology. Our goal is to help end users identify the most reliable and effective water filtration systems available from various sources. The choice of recommendation in the South African market is H2O International.

H2O International is a long-standing partner that always kept the best interest of the end user in mind. They are an original manufacturer of quality filtration products as well as an authorized distributor of the KDF media technology. All of their filtration products contain the optimum quantity and formulation of the KDF media in conjunction with other high quality technologies. Their commitment to quality and service earns H2O International our endorsement in the global market they serve.

If you have questions regarding this endorsement letter, please feel free to contact me directly.

Sincerely,


 Issa S. Al-Kharusy
 Chief Executive Officer



AS A RESULT OF CHEMICAL REACTIONS INDUCED BY KDF58®, 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

