Zero Waste Water. Zero Electricity. Zero Maintenance. Zero Drainage.



OUR WHOLE HOUSE CHROMIUM FILTER WILL REMOVE ALL THE HEXAVALENT CHROMIUM AND ANY CHROMIUM 6 FROM YOUR WATER.

## THE DRINKING WATER FROM THESE CITIES MAY CONTAIN CHROMIUM IN YOUR DRINKING WATER:

Phoenix
Mesa
Gilbert
Chandler
Queen Creek
Florence
San Tan Valley
Scottsdale
Cave Creek
Buckeye
Tempe
Gold Canyon
Ahwatukee
Fountain Hills

# THE REASON BOYETT'S FAMILY WATER TREATMENT DEVELOPED THE WHOLE HOUSE CHROMIUM FILTER:

We drink water out of every faucet in our homes. We use this water to brush our teeth, shower and bathe. All your faucets should be free from chromium so you can enjoy a happier live longer life.



hayden@azh2o.com • www.azh2o.com (480) 969-7251 • Cell (602) 291-4157

38 E. 5th Ave. • Mesa, AZ 85210

56 Years - Same Family - Same Location

Licensed • Bonded • Certified

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### HEALTH EFFECTS OF EXPOSURES TO CHROMIUM IN YOUR DRINKING WATER

Damage to your liver and reproductive systems, and lower the body weight and delay skeletal development of offspring.

Hexavalent chromium is a carcinogen and a reproductive toxicant for both males and females.

In addition to cancer and reproductive harm, short and long-term exposures can lead to eye and respiratory irritation, asthma attacks, nasal ulcers, dermal burns, anemia, acute gastroenteritis, vertigo, gastrointestinal hemorrhage, convulsions, ulcers, and damage or failure of

the liver and kidneys, causes allergic and asthmatic reactions, is carcinogenic, causes diarrhea, stomach and intestinal bleedings, cramps.

Toxic effects may be passed on to children through the placenta. Chromium in drinking water during gestation can retarded fetal development, and embryo and can cause fetotoxic effects has been linked to certain stomach cancers, associated with oxidative stress, cytotoxicity, and carcinogenicity, adverse dermatological effects over many years allergic dermatitis (skin rash or inflammation), cause skin burns, pneumonia, complications during childbirth.

Hexavalent Chromium and chromium 6 bioaccumulates in our bodies.





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#### OUR 2 TANK SYSTEM

#### TANK 1

How KDF 55 and KDF 85 Process Medium Works KDF 55 Process Medium is a high-purity copper-zinc alloy. KDF 85 granules are used to remove or reduce iron and hydrogen sulfide (rotten egg smell) from water supplies. They are also used for controlling scale, bacteria, and algae.

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 e ectively 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 and KDF 85 Process Medium controls microorganisms and reduces lime scale in problem areas like showers and tubs. KDF 55 and KDF 85 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 and KDF 85 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 and KDF 85 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. KDF 85 process media converts hydrogen sulfide to insoluble sulfide (it eliminates any bad smell from your water).

#### TANK 2

KDF-C (Coarse) Granules in addition to the kdf 55 and kdf 85 and the GAC will remove hexavalent chromium and chromium 6 from your water and all other heavy metals and chlorine.

Granular activated carbon makes your water taste better and protects your skin from the high chlorine levels in AZ h2o. The use of

granular activated carbon for water purification became common around the start of the 20th century (1906) when the "activation" process was applied to charcoal (which had been used for centuries). Thermal activation of charcoal greatly improves its pore volume, surface area and structure making it a superb workhorse for water treatment. The Adsorption Concept A clean carbon surface is oleophilic, meaning "oil loving" and the opposite of hydrophilic or "water loving". It has a strong attraction for organic compounds and other non-polar contaminants and adsorbs them onto the carbon surface where they are held by van der Waals forces. Adsorption is the primary mechanism by which GAC works and the primary reason it is widely used to reduce undesirable taste, odor and color and to improve the safety of drinking water by also effectively removing common disinfection byproducts (THMs). organic contaminants like chlorinated solvents and other industrial pollutants, pesticides, and select heavy metals such as lead and mercury... De-chlorination A second very important property of GAC is its ability to catalytically reduce chlorine from an oxidizer (NaOCl) to a salt (NaCl) by taking away the reactive oxygen. If this media is not exchanged every five years - microbiological contamination of the drinking water may occur.

We exchange both tanks every five years at no charge.



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#### WHY SHOULD YOU RENT THIS UNIT RATHER THAN BUY IT: By renting this unit you will save \$6,500 over 5 years (every 5 years my family exchanges your water equipment at no charge).

The chromium removal filter media must be replaced every 5 years to remain effective.

Our second tank contains granular activated carbon 'to remove other bad tastes, odors and chlorine'. If this filter media is not changed every five years – this will cause microbiological contamination of your drinking water.

Our equipment is electronically date coded with an electronic tickler process developed by a Nevada computer company (Nevada, Iowa) that is tenaciously followed by the Boyett's family four step follow up process to make sure this free exchange occurs.

The added advantage to utilizing this method of whole house water treatment:

- This product contains water softening qualities
- This product is easy to install at the point of entry of your home (to capture all your water).
- You can water your plants and vegetation with this water.
- This product will make your skin feel better and make your water taste better (and healthier to drink).



PROUDLY MADE IN MESA, AZ BY



PLEASE CALL US TO SCHEDULE A CONSULTATION OR INSTALLATION.

RESPECTFULLY, HAYDEN BOYETT HAYDEN@AZH2O.COM

OFFICE: (480) 969-7251 CELL: (602) 291-4157 - TEXT TO CHAT

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