

WHOLE HOUSE WATER FILTER!



Customers love our shower and drinking water filters, and now we offer a cost-effective whole house filter for anyone who wants to reap the benefits of filtered water without enduring the hassles of frequent filter changes.

\$800 for new unit that will filter up to 8 gallons per minute and last for over 300,000 gallons!*

Installation by a plumber will run \$600 - \$900 for most homes.

\$380 for filter media refill (needed about every 3 years).

Even with installation costs included, this is just \$0.005 per gallon (\$1 for 200 gallons) in the first 3 years and \$0.001 per gallon thereafter!

*Larger homes or those with more than 8 gpm peak water usage can install two units in parallel to filter up to 16 gpm and 600,000 gallons. In this case, the cost per gallon is even less because this installation cost is spread over 600,000 gallons!

Our single-tank whole house WHCC-35 system by CuZn is...

- The perfect combination of Copper-Zinc and Activated Carbon filter media.
- Long-lasting: 3 years for most households.
- Super effective at removing chlorine, heavy metals and organic contaminants.
- Able to soften water without added salts.
- Green: no electricity is needed and no water is wasted.
- Refillable with easy media replacement.
- Very cost effective compared to multiple point of use filters.
- Outrageously cost effective compared to bottled water.
- Able to go with you when you move or to stay and increase the sale value of your home.

Using Filtered water:

- Is better for hair and skin because chlorine is removed.
- Gets family members to drink more water because it tastes better.
- Reduces health risks from trace heavy metals in municipal water.
- Reduces health risks from chlorine and trace organic compounds in municipal water.
- Keeps clothes from fading because chlorine is removed.
- Keeps plants healthier because chlorine is removed.
- Reduces scale in pipes and on fixtures because water is softened.

WHOLE HOUSE WATER FILTER – WHCC-35 by CuZn

The single tank whole house water filter (WHCC-35) by CuZn is an amazingly economical way to provide pure filtered water throughout your home. The KDF/GAC media in the WHCC-35 filter is capable of filtering approximately 300,000 gallons of water before the media needs to be replaced. For most single family households, this equates to about 3 years of water usage. The filter does not affect water pressure and can handle water flow up to 8 gallons per minute. If you occasionally use more water than this, the water simply will not be as completely filtered when you exceed 8 gallons per minute. If you routinely need more flow per minute based on your household's water usage, then you can install two units in parallel to filter up to 16 gallons per minute. For situations requiring more than 16 gallons per minute of water flow, please ask us about other units that might be more suitable.

To determine your water usage, consider how many different water sources your family tends to use at once and add them all up. Here are some typical values (but these can vary widely by the brand and age of the appliance): older shower heads up to 3 gpm (gallons per minute), water-saver heads 1.2-2 gpm, older toilets up to 5 gpm, water-saver toilets 1-2 gpm, kitchen sinks 2-6 gpm (time how long it takes to fill up a gallon jug), dishwashers 9 gallons *per use*, top-loading clothes washers up to 40 gallons *per use*, front-loading washers 20-25 gallons *per use*, and garden hoses vary tremendously so time how long it takes to fill a 1-gallon jug. Remember, you won't use all of these water appliances at once, so you need to determine what your common peak usage is, and you should primarily be concerned with usage rates when you are showering or using water for drinking or cooking. Water can go through the filter at more than 8 gpm but it will not be as completely filtered because there is less contact time between the water and the filter media. If you need help determining your peak usage rate and whether a single unit will work for you, we are happy to help.

The filter is approximately 8" in diameter and 38" tall. Filter fittings are 3/4", which is standard in most residential settings. The unit should be installed by a licensed plumber, but once installed it can be easily maintained by the homeowner. The filter is best installed immediately after the cold water main enters the home so that all of your water is filtered. For most homes, installation costs for a single unit will be between \$600 and \$900, depending on the current plumbing in the home. We can recommend someone who has installed several of these filters or you can use your own plumber. We are happy to walk your plumber through the basics of the installation.

The filter housing is made of fiberglass with a food-grade polyethylene riser to direct the filtered water out of the filter and into your house. The housing carries a 10-year warranty, but will typically last much longer.

Filter media is a combination of CuZn's patented KDF filter foam and granular activated coconut shell carbon (GAC). KDF is a copper-zinc alloy that removes chlorine, heavy metals and hydrogen sulfide from water, softens water, reduces scale and inhibits bacteria, mold, algae and fungus growth. The KDF media meets EPA, FDA and NSF standards for levels of copper and zinc in outgoing water and for water treatment. Granular activated carbon media removes chlorine (though it is spared this job when paired with KDF) and also removes an extremely long list of chemical contaminants from water, including industrial chemicals, herbicides, pesticides, fertilizers and pharmaceuticals. Fluoride and nitrates are partially removed by the KDF/GAC media. Specialty media are available to act in conjunction with KDF/GAC media to fully remove fluoride and nitrates if there is a need or desire to do so.

The WHCC-35 filters particulate matter down to 5 microns. A sediment pre-filter is available if filtering to 1 micron is necessary or desired. The pre-filter is necessary for rural or well water.

Used KDF media can be recycled at any metal recycling facility. Used carbon media can theoretically be recycled, but not many facilities are currently accepting it. You can check with local recycling centers or go online to www.earth911.com to see if any place near you is accepting used coconut shell carbon.

The one drawback to using our whole house water filter:

While it is very important to remove chlorine from your drinking and bathing water, the chlorine in municipal water systems does help to keep mildew in check in baths, showers and washing machines. We highly recommend taking the following steps to avoid problems with mildew after installing your whole house filter:

- Assure that bathrooms are well-ventilated.
- Pull shower curtains back or keep shower doors open after use
- Keep a spray bottle of water with about 20 drops of pure tea tree essential oil in the shower and lightly spray shower walls after use.
- Keep your washing machine lid or door open after use and until the unit is dry inside
- Add 1 drop of pure tea tree oil to each laundry load.

KDF/Carbon filters vs. Reverse Osmosis (R.O.)

Many people have heard that “reverse osmosis is the best filtering system.” This is true if you want to get *everything* out of the water. However, we strongly recommend against R.O., especially for drinking water, because:

	KDF/Carbon	Reverse Osmosis
Water wasted?	No water wasted	2-3 gallons wasted per 1 gallon produced
Holding tank?	No – water is always available, no matter how much you need.	Yes – R.O. takes time and can produce only a small amount of water at once
Wide range of contaminants removed?	Yes!	Yes! R.O. actually gets out slightly more contaminants, most notably fluoride.*
Essential minerals removed?	No – minerals that are important to your body remain in the water.	Yes – R.O. water is “empty.” It lacks essential minerals and will steal these minerals from your food or your body to rebalance itself. This includes stealing calcium from your bones and causing chemicals to leach out of your pipes and water bottles.
Neutral or slightly alkaline pH to final water?	Yes!	No. R.O. water is slightly acidic, which increases inflammatory reactions in the body and contributes to chronic health problems.
Price?	Lower initial cost, less frequent filter changes and less expensive media refills.	Higher initial cost, frequent need to change membrane, higher cost to replacement parts.

*Specialty filters are available to use in conjunction with our KDF/Carbon filters to more fully remove fluoride, nitrates, chloramines or arsenic if these are present in unusually high concentrations in your water or if you simply desire more complete removal. Our filters remove about 25% of the fluoride present in typical municipal water supplies, and most municipal water does not contain excessive amounts of nitrates or arsenic. Chloramines are used in place of chlorine as the disinfecting agent in some municipalities. Check with your municipality for details of your water supply. Each municipality is required to have water analysis tests readily available free of charge to the public.