

# UNDERSTAND THE DIFFERENCE

## What's in the tank matters

All of our Whole House Carbon Filters contain NSF certified carbon. We offer two primary types of carbon based on the chemicals used to treat municipal water in specific areas. Both carbons are highly effective for reduction or removal of impurities including disinfectants, organics, herbicides, pesticides and industrial solvents.

Carbon filtration is a method of filtering that uses a bed of activated carbon to remove contaminants and impurities using chemical adsorption.

Each particle/granule of carbon provides a large surface area/pore structure, allowing contaminants the maximum possible exposure to the active sites within the filter media. One pound of activated carbon contains a surface area of approximately 100 acres.

### CONTAMINANTS COMMONLY FILTERED WITH CARBON

- many volatile organic chemicals (VOC)
- many pesticides and herbicides
- chlorine
- benzene
- trihalomethane (THM) compounds
- radon
- solvents
- hundreds of other man-made chemicals found in tap water



The two most important factors affecting the efficiency of activated carbon filtration are the amount of carbon in the unit and the amount of time the contaminant spends in contact with the carbon.

The more carbon the better.

Similarly, the lower the flow rate of the water, the more time that the contaminants will be in contact with the carbon, and the more adsorption that will take place.

Particle size also affects removal rates and grades.

# GET EXACTLY **WHAT YOU NEED**

## Sizing and Media Choice

Whole House Carbon Filtration is a great primary line of defense for municipal water users since bacteria and viruses are not generally a concern, as the water is so heavily chemically treated.

By treating the water from the Point of Entry (POE) forward, you are filtering out impurities in the water you shower and bath in, as well as the vapors from water-using appliances like the washing machine and dishwasher.

Our **STANDARD CARBON (CS)** is a coconut-based, high activity granular activated carbon (GAC). This carbon is ideal in chlorine treated markets.

Our **CENTAUR CATALYTIC CARBON (CX)** is a granular coconut-based activated carbon and is far superior to standard GAC in its ability to adsorb chloramine, which is the primary disinfectant in most municipalities.

Your contractor will be able to help you understand which chemical(s) are used in your area and can advise you on the system best suited to your needs. This knowledge, along with proper sizing, will ensure you are receiving the best quality water.

All sizes available based on need.

Common sizing for residential homes:

### **10x54**

Fits up to 1" inlet  
Services up to 18gpm peak flow rate  
Filters up to 1.5 million gallons of water

### **13x54**

Fits up to 1 1/4" inlet  
Services up to 22 gpm peak flow rate  
Filters up to 2.0 million gallons of water

