



# QC-500 Whole house System

“Designed for homes under 2500 square feet with 3 or less bathrooms.”

## The QC 500:

- Filters the water at every faucet in your home
- Requires no maintenance on your part or additives such as salt or potassium
- Improves the effectiveness of every appliance that uses its water
- Conditions your water so that it tastes better, cleans better and feels better on your skin
- Descals your fixtures, plumbing and appliances



## How it Works:

### The 3-stage Filtration and Conditioning Process:

When your household water is treated with the QC-500 whole house system, it goes through 1 stage of filtration and 3 stages of conditioning

<b>Stage I</b>	Our Patented descaling unit designed to prevent the accumulation of the white calcium and magnesium scaling on the inside of your building plumbing, your appliances and fixtures.
<b>Stage II</b>	KDF 55 Process Medium is a high-purity copper-zinc alloy. When used in our 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.
<b>Stage III</b>	A combination of pharmaceutical grade coconut shell and acid washed bituminous carbon is specifically formulated for taste and odor improvement
<b>Stage IV</b>	The Filtration consists of an internal sediment filter made of fine silica quartz filtration media removing particles as small as 10 microns.

### Automatic Back flush Control

The Fleck Electro mechanical automatic control valve, automatically back flushes and repositions all filtration media bi-monthly, thereby enhancing the absorptive capacity and extending the active life of the filtration media for 5 to 10 years.

## **QC-500 unit specs. Model # 500**

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Minimum flow rate, GPM	4.4
Continuous Flow Rate GPM:	5.4
Peak Flow Rate GPM:	8.8
Backwash Flow rate GPM:	6.3
Tank size, (D x H inches):	10" x 54"
Media Cubic Ft.:	1.5
Pipe size, inches:	¾" or 1"
Operating Pressure:	30-125 psi
Operating Temp:	2-38 C
Electrical, volts:	110/220
Electrical Hertz:	60/50
Shipping weight, LBS:	88

### **System Requirements:**

- Requires a standard AC outlet to power the timer clock and valve.
- Requires access to a drain or a location outdoors that will allow for water to drain every four days.

**Call us for further details: 888-761-7687**

