

INTRODUCING THE NEXT EVOLUTION IN WHOLE-HOME WATER TREATMENT..

aquacore®—THE WHOLE HOME ULTRA-FILTRATION SYSTEM

Until now, the only way to effectively protect an entire home from waterborne contaminants has been whole house Reverse Osmosis. In this day of water shortages and mandated water rationing, Reverse Osmosis is not always a practical solution. We would like to introduce you to **aquacore®** Whole Home Ultra-Filtration. **The aquacore® ultra-filter removes impurities as small as .015 microns* from the source water.** Now, your family can have **continuous, crystal clear safe water at every faucet, water consuming appliance, and shower head in the home.** It uses very little water during the flush cycle and does **not add chemicals to the household water.** **aquacore®** ultra-filter will extend and improve the performance of other water treatment equipment in the home, such as water softeners or small POU systems whose pre-filters then become unnecessary.*

aquacore® TECHNOLOGY

Inside **aquacore®** ultra-filter's pressure vessel is a **network of hollow fibers that reduce microbiological contaminants in the water.** **aquacore®** ultra-filter's patented multi-bore technology is very effective because **there are seven capillaries in every fiber,** making the fibers stronger and more efficient. The **aquacore®** ultra-filter's inside out filtration process is superior to most hollow fiber products in that concentrated contaminants trapped on the inside surface of the capillary walls are easily removed by high velocity flushing. This inside-out filtration process **assures continuous, effective cleaning and assures the longest possible life of the system.**

* As tested by the manufacturer

** As tested by CDHS



Model AC-11

High purity at high flow rates...

aquacore® ultra-filter reduces turbidity, cysts, bacteria and some viruses from the source water. **aquacore®** ultra-filter delivers this level of water quality at flow rates up to 10 gpm with very low pressure drop.

Very little water wasted...

Unlike Reverse Osmosis systems that send over twice as much water to drain than they purify, **aquacore®** ultra-filter is very efficient. For a typical home, **aquacore®** ultra-filter can use as little as 2 gallons of water per day to flush the module clean.

The right kind of water...

While reducing turbidity, harmful cysts and bacteria, **aquacore®** ultra-filter leaves in any beneficial minerals. It does not reduce TDS, so there are no corrosion of piping, or leaching issues.

Self-maintaining system...

aquacore's® easy-to-program Meter/Controller determines when to flush the module and how much water to use in the process. It's so smart, it knows when household water has not been used and initiates a brief flush to keep the module performing at its best.

Meets all plumbing codes...

With 1" fittings at the inlet and outlet, **aquacore®** ultra-filter meets all plumbing codes.

 **aquacore®**
Perfect Water For Your Entire Home

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SPECIFICATIONS



The Meter/Controller, with advanced microprocessor technology, acts as the brain of the **aquacore**® system. The set-up is quick, easy and control is very accurate. A flush cycle is initiated when a pre-set number of gallons pass through the system. The frequency and duration of the flush setting will be dependent on the quality of the incoming water. The Controller will also sense when water has not been used in a 24 hour period and will initiate a brief flush cycle keeping the system fresh while using minimal water. Bright LED lights indicate system status.



METER CONTROLLER SPECIFICATIONS

Power Supply	110 VAC/12VDC (50/60 cycles)
Flush Volume:	
Range	20-1000 Gallons
Increment	20 Gallons
Flush Duration:	
Range	10-100 Seconds
Increment	1 Second
Maximum Flow Rate	10 Gallons per Minute.

SYSTEM SPECIFICATIONS

Maximum Operating Pressure	72 psi (5 Bar)
Maximum Operating Temp.	40 Degree C (104 Degree F)
Max. Trans Membrane Pressure	45 psi (3 Bar)
pH Range	3-10
MWCO	100kD
Membrane Material	Polyethersulfone
Inlet and Outlet Fitting Size	1 inch NPT
Flush Valve Fitting Size	3/4 inch NPT
Shipping Weight	34 lbs.
Operating Weight	51 lbs
Average Flow Rate at 50 psi:	
Gallons per Hour	540
Gallons per Minute	9
Liters per Hour	2045
Liters per Minute	34

DISCLAIMER: The **aquacore**® is not designed to be used in pharmaceutical or medical applications where pyrogen and endotoxin free water is necessary.