

# Hollow Fiber Membrane Systems

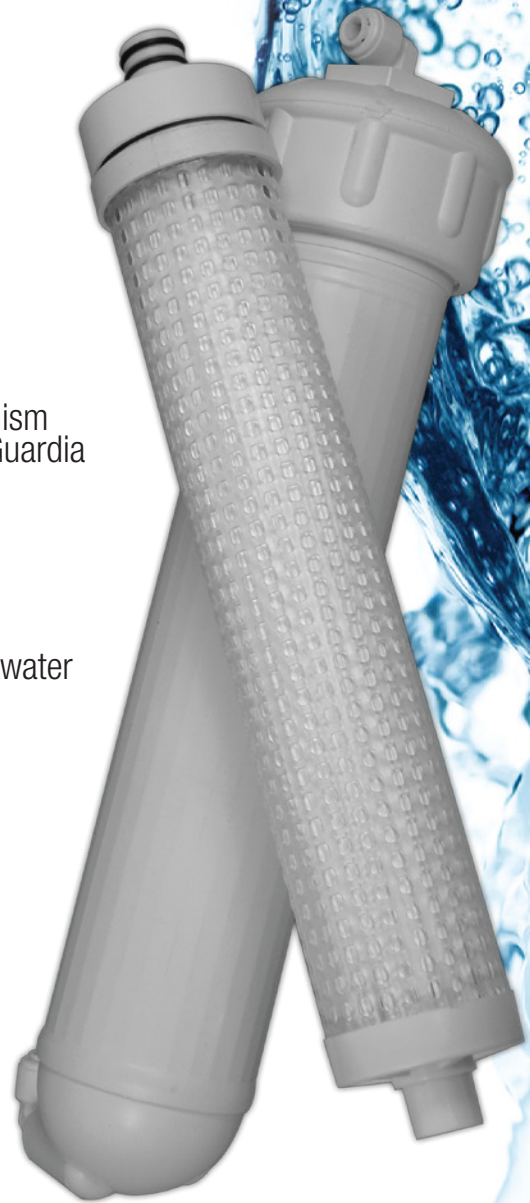
are the next generation in affordable residential water treatment.

## Features

- ✓ Unlike competitive technologies there is no waste water.
- ✓ These membranes assure that most effective microorganism control with a 99.9999% reduction in harmful bacteria, Giardia and Cryptosporidium from drinking water.
- ✓ Minerals remain in the water after purifications.
- ✓ Designed to be inserted into any membrane housing or encapsulated and ready to install on any filter system.
- ✓ What you get is pure fresh and always available drinking water with a consistent and fast flow of water from the faucet.

**UltraGuard™ provides ultra filtration (UF) hollow fiber membrane technology using a low-pressure dual barrier fiber process which is capable of removing the following contaminants:**

- ✓ Harmful bacteria and cysts
- ✓ Large molecular weight organic materials
- ✓ Colloidal materials
- ✓ Fine sediment
- ✓ Suspended solids
- ✓ Viruses



## Options and Performance

UF 50 – 12" Membrane	125 GPD @ 60 PSI (4.1 Bar) - 72°F (21°F)
UF 50E – 10" Membrane (Encapsulated)	100 GPD @ 60 PSI (4.1 Bar) - 72°F (21°F)
UF 400 – 12" Membrane	1,000 GPD @ 60 PSI (4.1 Bar) - 72°F (21°F)
UF 400E – 10" Membrane (Encapsulated)	436 GPD @ 60 PSI (4.1 Bar) - 72°F (21°F)

## Specifications

Chlorine	100 PPM @ 7 pH
pH	2 – 13
MAX Operating Temperature	120°F ( 50°C)
Operating Pressure	Max. 60 PSI (4.14 Bar) – Min 10 PSI (.7 Bar)

- ✓ Standard membrane fits into any membrane housing
- ✓ Tolerant to chlorine and most strong oxidizing agents
- ✓ Made up of polyethersulfone (PES) hydrophilic polymer membrane that resist fouling
- ✓ Stable at wide range of pH
- ✓ Dual barrier membrane allows water to flow in either direction (backflush) which reduces concentration of containments to extend flow rates and the life of the element
- ✓ Better quality than most bottled water
- ✓ Fast flow from the faucet
- ✓ Stops harmful bacteria, Guardia, Cryptosporidium
- ✓ Works on water pressure as low as 10 PSI
- ✓ Back flush capability to maintain productivity
- ✓ Out performs UV and RO bacteria reduction
- ✓ UF 99.9999% compared to UV 99.99% RO 99%
- ✓ Can eliminate waste water associated with RO system use

