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, Guardia 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

<table>
<thead>
<tr>
<th>Membrane Type</th>
<th>GPD @ PSI (Bar)</th>
<th>Temperature</th>
</tr>
</thead>
<tbody>
<tr>
<td>UF 50 – 12” Membrane</td>
<td>125 @ 60 PSI (4.1 Bar) - 72°F (21°F)</td>
<td></td>
</tr>
<tr>
<td>UF 50E – 10” Membrane (Encapsulated)</td>
<td>100 @ 60 PSI (4.1 Bar) - 72°F (21°F)</td>
<td></td>
</tr>
<tr>
<td>UF 400 – 12” Membrane</td>
<td>1,000 @ 60 PSI (4.1 Bar) - 72°F (21°F)</td>
<td></td>
</tr>
<tr>
<td>UF 400E – 10” Membrane (Encapsulated)</td>
<td>436 @ 60 PSI (4.1 Bar) - 72°F (21°F)</td>
<td></td>
</tr>
</tbody>
</table>

Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chlorine</td>
<td>100 PPM @ 7 pH</td>
</tr>
<tr>
<td>pH</td>
<td>2 – 13</td>
</tr>
<tr>
<td>MAX Operating Temperature</td>
<td>120°F (50°C)</td>
</tr>
<tr>
<td>Operating Pressure</td>
<td>Max. 60 PSI (4.14 Bar) – Min 10 PSI (.7 Bar)</td>
</tr>
</tbody>
</table>

✓ 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