The Most Complete Purification Process

Reverse Osmosis (RO) drinking water systems include mechanical filtration to remove particles, carbon absorption and absorption to remove chlorine, taste, odor and chemical contaminants, as well as membrane separation down to .0001 microns. RO membranes remove dissolved solids at the ionic level. No other purification system can provide better removal. Reverse Osmosis Systems provide the best quality drinking water for your family.

Common Residential Applications

- Drinking water
- Ice cubes
- Juices, coffee & tea
- Cooking water
- Low sodium diets
- Auto batteries
- Soups & sauces
- Steam irons
- Weight loss programs
- Aquariums
- Baby formulas
- Plants
- Pets
- Humidifiers
- Radiators
- And More!

Particle Size Removal Range By Filtration Type

These sizes of well-known objects and particulates illustrate the size of the micrometer (or micron)

<table>
<thead>
<tr>
<th>Microns</th>
<th>0.0001</th>
<th>0.001</th>
<th>0.001</th>
<th>0.1</th>
<th>1</th>
<th>10</th>
<th>100</th>
<th>1000</th>
</tr>
</thead>
<tbody>
<tr>
<td>Membrane Type</td>
<td>Reverse Osmosis</td>
<td>Nanofiltration</td>
<td>Ultrafiltration</td>
<td>Microfiltration</td>
<td>Conventional Particle Filtration</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Typical Removal Rates for Thin-Film Composite Membranes

<table>
<thead>
<tr>
<th>Contaminant</th>
<th>Arsenic</th>
<th>Barium</th>
<th>Fluoride</th>
<th>Lead</th>
<th>Nitrates</th>
<th>Nitrites</th>
<th>Asbestos</th>
<th>Cadmium</th>
<th>Mercury</th>
<th>Nitrates</th>
<th>Nitrites</th>
</tr>
</thead>
<tbody>
<tr>
<td>94%</td>
<td>99%</td>
<td>99%</td>
<td>93%</td>
<td>99%</td>
<td>87%</td>
<td>87%</td>
<td>99%</td>
<td>98%</td>
<td>91%</td>
<td>87%</td>
<td>87%</td>
</tr>
<tr>
<td>99%</td>
<td>99%</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>80%</td>
<td>86%</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>86%</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>