

# 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.



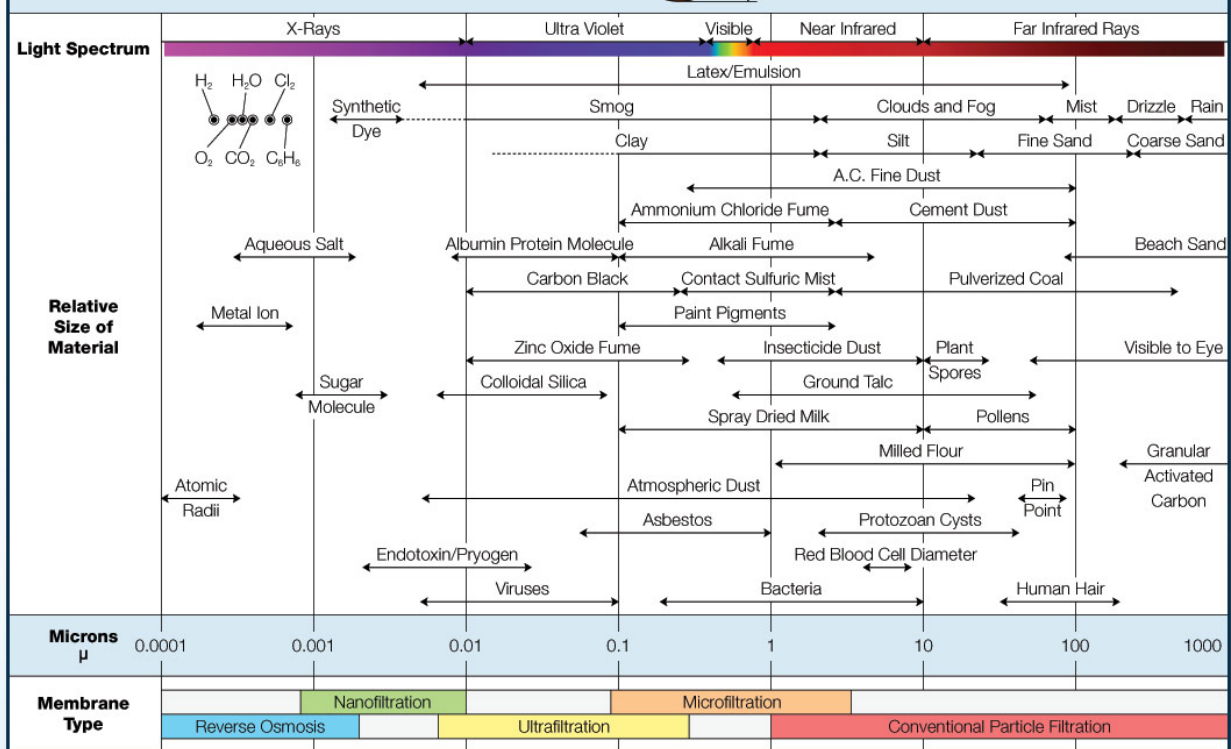
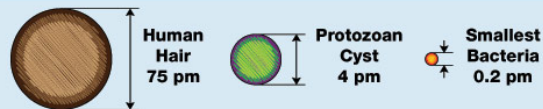
Reverse osmosis systems remove the entire spectrum of harmful contaminants.

## 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)



Source: "Water Processing: Third Edition", Wes McGowan, Water Quality Association, 2001

## Typical Removal Rates for Thin-Film Composite Membranes

At 68 PSI Feed Pressure and 77° Temperature

Arsenic	94%	Barium	99%	Flouride	93%	Nitrates	87%	Nitrites	87%
Asbestos	99%	Cadmium	98%	Lead	99%	Radium	80%	Hexavalent Chromium	86%
Cyanide	86%	Copper	99%	Mercury	91%	Selenium	96%	Trivalent Chromium	88%