





# Reverse Osmosis & Ultra Fine Filtration

Filtration is a process of reducing particulate matter from water by forcing the water through a porous media. The size of the materials that can be removed during filtration depends upon the size of the pores in the media used in the filter.

## Reverse Osmosis

-  Wellsys Reverse Osmosis goes beyond Ultra Fine filtration to pure filtration to a level of 0.0001 microns.
-  Reverse Osmosis removes the smallest metal ions and aqueous salts, such as chlorine, sodium, chloride, and copper.

## Ultra Fine Filtration

-  Wellsys Ultra Fine Filtration uses an advanced hollow fiber membrane technology with a pore size of 0.01 microns to eliminate the finest particles for cleaner water.
-  Ultra Fine Filtration works to remove essentially all insoluble particles from the water. It removes particles such as bacteria, lead, E-Coli, and pesticides.

Type of Filtration	Reverse Osmosis	Ultra Fine Filtration
Size of Pores	0.0001 microns	0.01 microns
Common Materials Removed	Aqueous salts, metal ion (chloride, chlorine, copper, magnesium), lactose	Lead, Bacteria, E-Coli, Pesticides, Giardia Cyst