

Our bodies are about 75% water, so it is the most important thing we consume.

Reverse Osmosis - Overview

While the basic filtering level of Reverse Osmosis (R/O) is considered great, it leaves numerous contaminants in water that MiraculeWater selective hyper-filtration does not.

R/O deficiencies include:

- The removing vital nutrients** that are needed by our bodies.
- The use of **cleansing membranes** (that do the filtering) that are **degraded quickly by bacteria** and other biological pathogens in the water, and **you might not be aware that they are no longer working.**
- The creation of a final “**hungry water**” product that is highly pure water, but that is unstable, consuming nutrients such as vital minerals from our bodies, and leaching possible body contaminants from pipes, storage tanks, and even plastic drinking bottles. This can bring more petrol chemicals and other toxins into your body. Both the toxins leached from containers and mineral robbing capabilities of basic R/O water can lead to sometimes severe health problems.
- Standard Reverse Osmosis systems **lack** the ability to concentrate desirable components of water such as the special elements of life known to science as [Orbitally Rearranged Monoatomic Elements, or ORME \(WEBMASTER, link to ELEMENTS OF LIFE article\)](#) (also called **Ormus or M-State materials**), that are being discovered to be absolutely vital to maintaining good health.

MiraculeWater machines use the basic filtering features of Reverse Osmosis but include important, mostly proprietary, additional technologies that:

- Concentrate the ORME that is already present in the water in small amounts, adding this most vital nutrient (most often extremely deficient in people’s diets) back into the water.

Design features, many exclusively developed for MiracleWater processors include technological processes that:

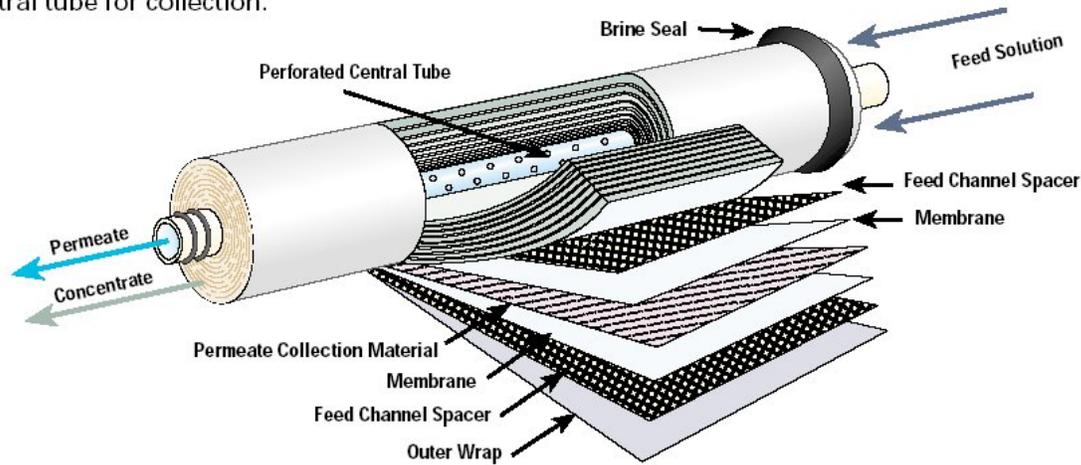
- Prevent bacteria from reaching the Reverse Osmosis membrane, also preventing those that do from eating through the membrane.
- Selectively concentrate and retains the vital elements of life known as [ORME \(WEBMASTER LINK TO ORME DOC, PLEASE\)](#) "Orbitally Rearranged Monoatomic Elements" so vital to good health, while completely removing all (to 99.999%) heavy metals.
- Use a "green" new "free energy" generating process, along with simple water pressure, to push the water through the filtering stages so that households with water pressure greater than 35 pounds will not need any electrical hookup.
- Maximize the [Orgone Energy \(Webmaster, Link to Orgone Energy article\)](#) content of the final water product through the selective use of several technologies including copper coiling, quartz crystals and others.
- Imprint the water with a myriad of positive affirmations (in two separate); based upon the water crystal research of Dr. Masaru Emoto.
- Tune and energize the water's harmonics through the use of primary energies (through noble gases).
- Vortex the water multiple times to effectively erase the negative imprinting (memory) the water has accumulated during its journey to your home.
- Provide a slightly alkaline final (preferred) product that fosters bodily alkalizing without the possible downside effects of drinking extremely alkaline (ionized) water over the long term.

How MiracleWater Reverse Osmosis filtering works and what it does:

Reverse osmosis (RO or R/O) is a common treatment technology that produces relatively high purity water. The process works by forcing water under great pressure against a semi permeable membrane, where some contaminant exclusion occurs. With contaminant exclusion, water molecules form a barrier

that allows other water molecules to pass through while excluding most contaminants.

The spiral membrane is constructed of one or more membrane envelopes wound around a perforated central tube. The permeate passes through the membrane into the envelope and spirals inward to the central tube for collection.



The illustration above represents a simplified spiral-wound membrane element. Recovery can be as high as 90% and systems may be capable of chemical cleaning in place (CIP).

Typical contaminant rejection rates range from 85% to 95%, some of the highest quality reverse osmosis membranes on the market like that of which is used in MiracleWater systems have a contaminate rejection rate of about 99%+ and a gallon of highly treated water can usually be produced from two to five gallons of raw water in a standard reverse osmosis system, depending on the initial quality of the water. Maintenance involves the replacement of the RO membrane cartridge every one to three years, and the carbon filter cartridges two to twelve times per year depending upon the source water and the amount of use or volume of water run through the machine. Due to the special Proprietary technology used to prevent biological elements from growing in and feeding on the membrane in MiracleWater systems. Membrane replacement times can be extended to as much as 7 years. This extended replacement time is based upon the length of time a single person drinking one gallon per day would take to exhaust the extra filtering unit that is built into the Membrane's which MiracleWater enhanced mineral water machines use under average conditions. No other company has these exclusive features.

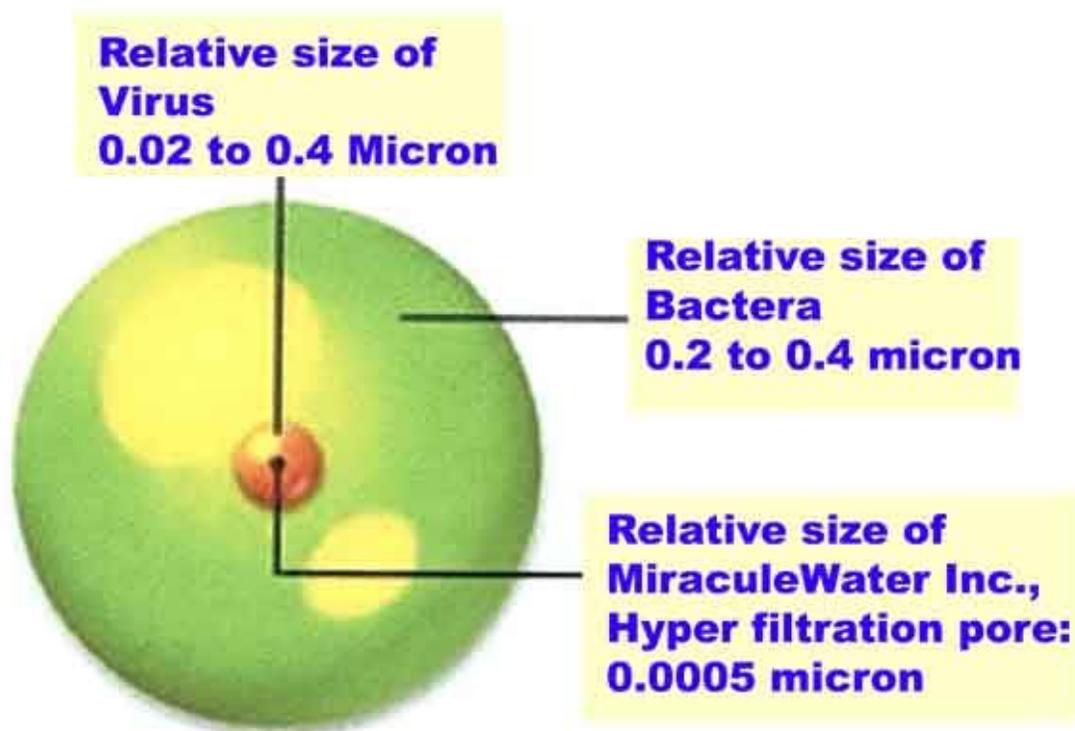
RO is effective for the reduction of a broad range of health and aesthetic contaminants, though it is typically not used for the reduction of biological pathogens. Most RO systems also incorporates an activated carbon filter, which can provide added treatment for the volatile organic compounds (VOC's) not

treated by the membrane itself. Most MiracleWater systems employ 4 activated carbon filters to reduce the volatile organic compounds to normally undetectable levels.

Another Big Problem with most standard Reverse Osmosis Units.

Bacteria and other biological pathogens can damage an RO membrane by eating there way through it, very few RO systems on the market use filters that prevent biological pathogens from reaching the membrane. All MiracleWater systems use the best filters available to prevent biological pathogens from reaching the membrane. Then MiracleWater corporation uses another advanced proprietary technology to prevent bacteria from eating there way through the membrane.

Most companies care only about the profit from there sales and put the cheapest filters available in there RO units, we at MiracleWater spend the extra money for the best filters for all of our units. The portable, house under sink, and cooler's that MiracleWater makes contain 2 filters built to remove biological pathogens before they reach the membrane. The first is rated at a removal level of 95% and of the 5% that makes it's way past it. The next filter is certified to stop 99.9996% of E. coli that reaches it. It is NSF certified Standard 53 in Cyst reduction including Cryptosporidium and Giardia. It also has a NSF Standard 42 Chlorine, Taste & Odor Reduction rating. It is the most cost-efficient means of combining the performance of a ceramic candle and a activated carbon filter into one filter that we have found on the market. It takes a filter with a nominal filter rating of 0.2um* and a absolute rating of 0.5um** to meet this requirement.



NOTES

Chlorine capacity is the estimated capacity in gallons during which the filter will remove > 95% of influent free available chlorine (2 ppm) when operated at a given flow and has been tested using the NSF Standard 42 protocol for chlorine reduction.

Nominal particulate rating (0.2 μ m) is for >85% of a given size as determined from single-pass particle counting results.*

Absolute particulate rating (0.5 μ m) is for >99.9% of particles of a given size as determined from single-pass particle counting results.**

*Nominal Filter Rating: Filter rating indicating the approximate size particle, the majority of which will not pass through the filter. It is generally interpreted as meaning that 85% of the particles of the size equal to the nominal micron rating will be retained by the filter. (WQA Glossary of Terms, Third Edition, 3-97).

****Absolute Filter Rating:** Filter rating meaning that 99.9% (or essentially all) of the particles larger than a specific micron rating will be trapped on or within the filter. (WQA Glossary of Terms, Third Edition, 3-97)

It should be remembered that this brief description of Reverse Osmosis water treatment technology is only intended to provide an overview of how each technology can be applied to solve a water contamination problem. The advice of a MiracleWater Certified Water Professional or Certified Sales Representative should be sought when looking for a specific treatment solution.

With a knowledgeable application of these effective Point of use /Point of entry technologies, you can take the quality of your water into your own hands.