

# Reverse Osmosis Systems

## Complete Household Water Optimization

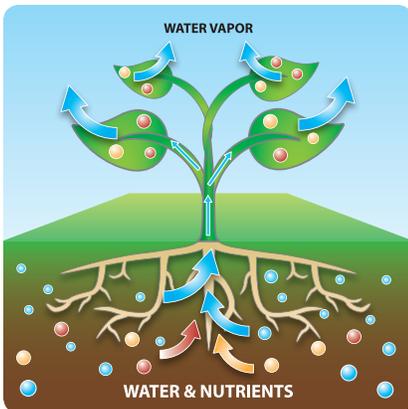
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## WATER SOLUTIONS



### *The Science of Reverse Osmosis Technology Has Its Roots In Nature.*

Plants use osmosis to extract vital minerals and other nutrients from ground water. The cellular membranes within the plant capture the



nutrients while allowing purified water to pass through the cell walls and evaporate back into the atmosphere.

In the same manner, Reverse Osmosis captures contaminants from your drinking water, producing purified drinking water for your kitchen.



*From our home in northeastern US to your home and family, you can trust a water conditioning product assembled by Blake Water Solutions. Local, trusted and family owned for two generations, our products are built with pride in the USA.*

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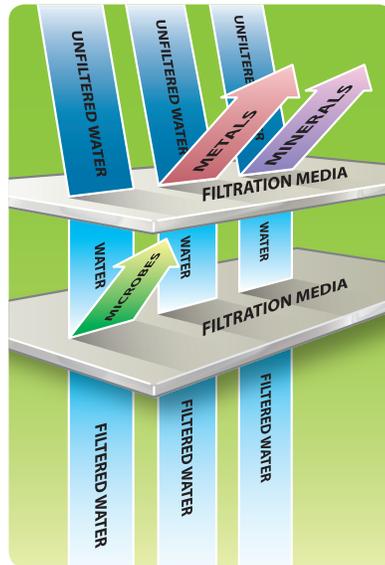
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### How Does Reverse Osmosis Work?

These self-contained Reverse Osmosis (R.O.) systems are small enough to fit under the sink allowing easy access for the homeowner to replace cartridges as needed. Changing cartridges is as easy as turning the cylinder 1/4 turn — there is no need to shut off the water! R.O. systems treat the water at the molecular level. The filtration media are engineered to trap microorganisms and other contaminants while allowing the H<sub>2</sub>O molecules to pass through.



### R.O. Is Part of a Comprehensive Water Treatment System

Reverse Osmosis units are commonly installed to treat only drinking water. While it is possible to allow R.O. units to treat every drop of water in your home, the most cost effective solution is to use R.O. units in conjunction with traditional water filtration and water softener systems. Allowing the filter and softener to treat the water extends the life of the filtration media cartridges.

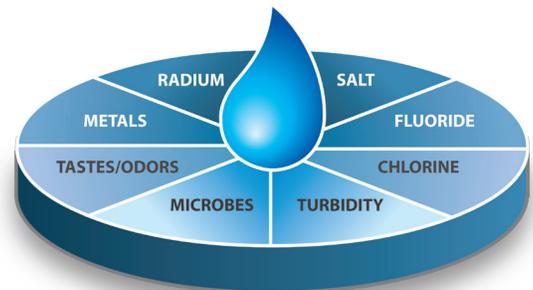
A variety of R.O. units are available, each specifically engineered to treat a particular group of contaminants. Blake Water Solutions' Authorized Dealer is **Your Local Water Quality Expert** — you can rely on them to guide you through the process of configuring the best system to deal with your specific water quality issues.

### The Benefits of Reverse Osmosis

Reverse Osmosis (R.O.) is extremely effective at eliminating or substantially reducing a wide variety of contaminants. Because R.O. removes 95%-99% of the total dissolved contaminants, it is the most effective technology for obtaining clean water that is free of total dissolved solids and other contaminants.

R.O. Systems will remove common chemical contaminants (metal ions, aqueous salts), including sodium, chloride, copper, chromium, and lead; they also reduce arsenic, fluoride, radium, sulfate, calcium, magnesium, potassium, nitrate, and phosphorus.

R.O. Systems are effective in removing excess salt and other dissolved minerals, taste and odor, heavy metals, microorganisms, nitrates and pesticides. Water treated by R.O. has a noticeably cleaner and sparkling appearance and allows subtle flavors in foods and water-based beverages to come through.



### Your Local Water Quality Expert:



Reverse Osmosis System Warranty is 1 year excluding consumable filters and membrane. Typical service life for membrane is 2 years. Typical service life for filters is 6 months to 1 year.

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