NELSEN™
WATER SOLUTIONS
NRO
Reverse Osmosis



You'll Taste the Difference

Designed to solve a wide variety of water quality issues, Nelsen reverse osmosis drinking water systems provide you with compact, affordable and effective solutions for achieving the best possible quality drinking water for your home.

An innovative leader in water treatment since 1954, Nelsen assures you the highest quality and reliability in the industry. Nelsen Water Solutions systems are sold, installed and serviced by independently owned and operated Nelsen Dealers nationwide.



Free manual from WaterSoftenerPlus Manuals - watersoftenerplus.com/manuals
Shop water softeners, filters & RO systems - watersoftenerplus.com



Is Your Tap Water Safe?

Is your tap water safe to drink? Well, nearly all U.S. municipalities meet water quality and safety standards set by the federal government. However, these Primary Drinking Water Standards represent only minimum requirements. And while tests to verify compliance are conducted at the treatment plants, pollutants may enter your tap water as it courses through the miles of pipe on its way to your home.

Then there's the question of taste. Just because the tap water is safe to drink, doesn't mean it tastes good or looks fresh. Only high-quality filtration ensures delicious water for both drinking and cooking.



This means you must either:

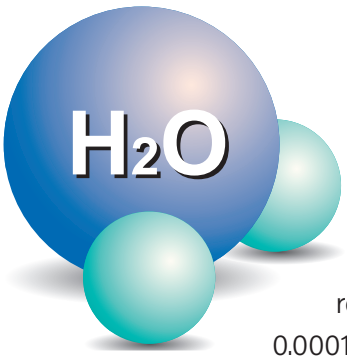
- Buy specially filtered bottled water. This high-cost option requires transporting bottles or scheduling deliveries.
- Attach a filter to your faucet. While this will rid water of many of the contaminants, it may not be able to handle them all.
- Install a home water treatment system under your sink. This option delivers the purity of bottled water with a greater convenience than a faucet-mounted system.



With Nelsen Reverse Osmosis Drinking Water Systems, great tasting water is now as close as your kitchen tap. So is your peace of mind - knowing that you're providing your family with the best quality water right at home for drinking, cooking, ice and coffee making, baby-formula, pet feeding, dietary/medical uses, and precious plants watering.

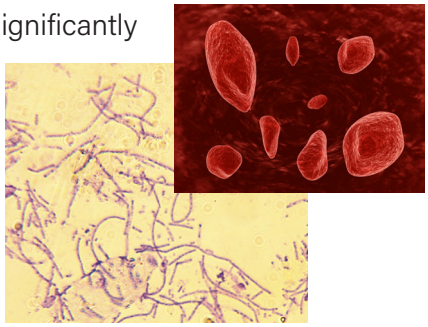


Free manual from WaterSoftenerPlus Manuals - watersoftenerplus.com/manuals
Shop water softeners, filters & RO systems - watersoftenerplus.com



Water in its Purest Sense

Nelsen reverse-osmosis drinking water systems significantly reduce unwanted substances bigger than 0.0001" such as carcinogens, heavy metal ions such as cadmium, chromium, lead and mercury; chlorine, cryptosporidium, salts, turbidity, nitrate, VOC's, organic compounds, dissolved solids, tastes and odors leaving only clean, great tasting water.



How does the Process Work

Reverse osmosis is the same process used by most major bottled water suppliers. With a Nelsen Reverse Osmosis Drinking Water System, you can have the same highest-quality water available from your own faucet for a fraction of the cost of bottled water.

Just how does the reverse osmosis process work? During the process, water is forced through a semi-permeable membrane that traps contaminants. These contaminants are then flushed out of the system and down the drain, leaving your drinking water clean and fresh.

POST-FILTER
- (Activated Carbon) Final polish to remove any objectional tastes and odors from storage tank prior to water consumption or use.

RO MEMBRANE
- Thin Film Composite design. Rejects 98% of the dissolved metals and salts, plus other harmful contaminants.

PRE-FILTER (sediment)
- Removes sediment, rust, dirt and other solid debris.

PRE-FILTER (carbon block)
- Removes chlorine and protects the RO membrane.

Second Carbon Pre-Filter (5-Stage RO only)
- Additional activated carbon pre-treatment filter.



Free manual from WaterSoftenerPlus Manuals - watersoftenerplus.com/manuals
Shop water softeners, filters & RO systems - watersoftenerplus.com

NRO4-50 *(4-Stage)*

NRO5-50 *(5-Stage)*



Included with the 4-Stage RO system: RO Unit, 3.2 Gallon Storage Tank, 50 gpd Membrane, Storage Tank Shut-off Ball Valve, Angle Stop Adapter Valve, Drain Saddle Valve, Faucet Package, Filter Housing Wrench, 1/4" & 3/8" Tubing, 5 Micron Sediment Cartridge, Carbon Block Cartridge.

The 5-Stage RO system includes all the features of the 4-Stage RO system with an additional third sump and a GAC (Granular Activated Carbon) cartridge.

Feed Water Guidelines

Maximum TDS	2,000 ppm
Iron, max	0.3 ppm
Hardness, (less than)	15 gpg
Hydrogen sulfide	0.0 ppm
Manganese, (less than)	0.05 ppm
Turbidity, (less than)	1 NTU
Pressure, min. / max, psi	30 / 100
Temperature, range (F)	40° / 100°
pH	3-11

Note: Pretreatment suggested if conditions exceed parameters.

Specifications

Production	50 gals. per day
Storage tank	3.2 Gallon Tank
Membrane	Thin Film Composite (50 gpd)
Sediment pre-filter	5 Micron Polypropylene
Carbon pre-filter	Solid Block Carbon
2nd Carbon pre-filter (5-Stage only)	Granular Activated Carbon Cartridge
Carbon post filter	In-Line Granular Activated Carbon
Faucet	Long Reach
Fittings	Quick Connect

* Measured at Industry standard condition of 60 psi, 77° F, 500 ppm T.D.S.

Maintenance & Warranty

Pre and Post Filters - Recommended change every six months for regular usage, or once a year in light usage.

RO Membrane - Change recommended based on periodic TDS rejection tests. Typical is every two years.

Warranty - Components are warranted for one year from installation, excluding membrane, pre & post filters.

Caution: Do not use where water is micro-biologically unsafe or with water of unknown quality without adequate disinfection before or after the unit. System must be maintained according to manufacturer's instructions.

Distributed by

Free manual from WaterSoftenerPlus Manuals - watersoftenerplus.com/manuals
Shop water softeners, filters & RO systems - watersoftenerplus.com