

ERO R450E

drinking water system

Series
Water



Reverse Osmosis Drinking Water System

Reverse Osmosis (RO) drinking water systems provide high-quality water for worry-free drinking or cooking. This state-of-the-art filter will improve the quality of water from wells or municipal water supplies. Here's how an RO works:

- 1 Household water is directed through a prefilter for filtration to remove sediment, chlorine taste and odor, and particulate matter.
- 2 The water is then forced, by pressure, through a semi-permeable membrane where a high percentage of the dissolved solids, etc. are rejected and flushed to the drain.
- 3 A final polishing of the water is accomplished by an activated carbon absorption block filter removing tastes and odors. The water passes through this final filtering process immediately before going to the faucet whether it comes direct from the unit or from the storage tank.
- 4 The automatic shut off control shuts down the system when the storage tank is filled and water is not being drawn. This "demand production" feature conserves water by eliminating the constant running to the drain found in some units. The control also depressurizes the membrane when not in service extending the membrane life.

ERO R450E Features:

- Unique and elegant chrome ceramic disc faucet
- Unique and stylish chrome electronic monitor ring under faucet that indicates when membrane/filters should be changed
- Dual purpose prefilter with coconut-shell carbon to remove sediment, chlorine taste and odor, and particulate matter
- Industry rated, 50 gallons per day*, high-volume, semi-permeable membrane that rejects most dissolved solids
- Coconut-shell carbon postfilter to remove tastes and odors
- Automatic shut-off control to balance production of filtered water with your needs

**Without a tank*

ECOWATER
SYSTEMS®



SINCE 1925.

Specifications

ERO R450E

Feed water pressure (min.-max.)	40-100 psi
Feed water temperature (min.-max.)	40-100°F
Maximum Total Dissolved Solids (TDS)	2,000 ppm
Membrane percent rejection of TDS (min.)	95%
Waste water per gal. of product water	4
System product water production rate (gal. per day)*	22
Feed water pH limits	4-11 pH
Maximum iron	0
Maximum hydrogen sulfide	0
Type of membrane	thin film composite
Prefilter (sediment/carbon)	1 micron
Postfilter (taste and odor, VOC's**)	block carbon
Storage tank capacity	3.1 gal.
Automatic shut off valve	yes
Shipping weight	22 lbs.

*Tested to NSF/ANSI Standard 58.

**VOC (Volatile Organic Compound)

Typical impurities reduced by an EcoWater Reverse Osmosis Drinking Water System Model ERO R450E TFC System.

- Barium
- Cadmium
- Chromium (Hex)
- Chromium (Tri)
- Bicarbonate¹
- Bromide¹
- Copper
- Lead
- Nitrate/Nitrite
- Radium 226/228
- Arsenic
- Chloride¹
- Magnesium¹
- Selenium
- Cysts (Giardia/Cryptosporidia)
- Sodium¹
- Sulfate¹
- Tannin¹
- Chlorine
- TDS
- Ammonia¹
- Zinc¹

VOC's** include:

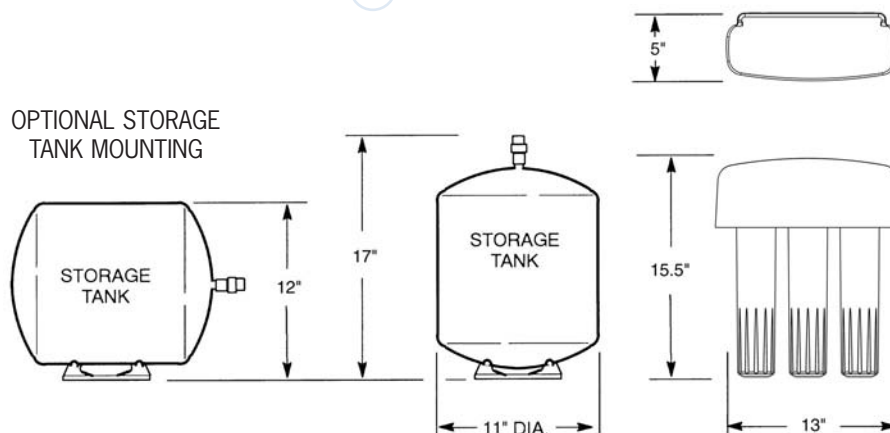
- Atrazine
- Benzene
- Carbon Tetrachloride
- 2,4-D
- Heptachlor
- Hexachlorocyclopentadiene
- Lindane
- Styrene
- Tetrachloroethylene
- Toluene
- Trichloroethylene
- Xylenes (total)

Tested and Certified to NSF/ANSI Standard 58 by NSF International. Rated at 50 psi, 77 F, 750 ppm/TDS, product to storage tank. Product water produced, amount of waste water and percent rejection will vary with changes in pressure, temperature and total dissolved solids.

¹Tested by an independent state certified testing laboratory.

ERO R450E: For chlorinated and non-chlorinated water supplies. Chlorine levels must not exceed 2.0 ppm

Dimensions



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