



ENVIRONMENTAL WATER SYSTEMS®
Quality Water Filtration Crafted in the USA Since 1987



ESSENTIAL 4-STAGE Reverse Osmosis

Four-stage reverse osmosis for water with greater sediment or particulates.

- World-class EWS quality and performance.
- High performance membrane – up to 50 gallons per day.
- Highest quality carbon pre- and post-filtration available.
- Use with salt softener to remove salt from drinking water.
- Meets or exceeds all compliances.
- Removes and reduces chloramine, chlorine, THMs, VOCs, PFAS, pesticides, lead, cysts, minerals, total dissolved solids, bacteria and viruses¹, and more.²

Chlorine (a common disinfectant used in USA tap water) and its byproducts are known carcinogens. Drinking them, or inhaling and absorbing them while showering or bathing, is not recommended. The New York State Dept. of Health and President's Cancer Panel recommend water filtration to reduce or eliminate our exposure to these substances.*



SAVE OVER \$500 EVERY YEAR.

The ESSENTIAL replaces over 15,000 plastic water bottles, saving you \$500+ every year.



ULTIMATE PROTECTION.

The ESSENTIAL removes and reduces chloramine, chlorine, fluoride, total dissolved solids, pharmaceutical residues, lead, cysts, minerals, and more.



ENVIRONMENTALLY FRIENDLY.

The ESSENTIAL is recyclable and biodegradable, and prevents plastic water bottle waste in landfills and oceans,



HASSLE-FREE ENJOYMENT.

Enjoy the convenience of quality filtered water right at your sink, anytime you want it.



***FILTER ALL THE WATER IN YOUR HOME WITH ONE SYSTEM.** Every sink, shower, and bath in your home could provide you with the convenience of clean, contaminant-free water. No hassle, no maintenance, no salts or chemicals, and trusted by hospitals, health care centers, military, and private homes worldwide. For EWS Whole Home Filtration, visit www.ewswater.com or call EWS Customer Service at 702-256-8182 (M-F 8 am - 4:30 pm Pacific Time).

TECHNICAL INFORMATION

ESSENTIAL FOUR-STAGE REVERSE OSMOSIS SYSTEMS

MODEL #: RO4 || MODEL #: RO4-UV

SYSTEM SPECIFICATIONS

OPERATION TEMPERATURE: Maximum 100° F (38° C) / Minimum 40° F (4° C) **OPERATION PRESSURE:** Maximum 75 psi / Minimum 40 psi
SYSTEM FLOW RATE: <1.0 gallons per minute (GPM)

Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system. Replace your filters and UV module annually or as needed (do not exceed 1 year). Install in cold water supply only. Install in compliance with local and state regulations. All installation instructions, service manuals, technical and product information is available online at www.EWSWATER.com

MODEL # REPLACEMENT FILTER SET

RO4 **F.SET.RO4** (F-INLINE, F-GAC, F-MEM, F-GAC-B)

RO4-UV **F.SET.RO4-UV** (F-INLINE, F-GAC, F-MEM, F-GAC-B, F-UV-MODULE)

SERVICE LIFE ON FILTERS/MEMBRANE:
UP TO 1 YEAR.* REPLACE FILTERS & MEMBRANE ANNUALLY OR AS NEEDED. DO NOT EXCEED 1 YEAR.

FILTER SPECIFICATIONS

[STAGE 1] ITEM #: F-INLINE | PRE-SEDIMENT (5 MICRON)

Filters out rust, silt, and sediment. Enhances the performance of the following filters.

CONSTRUCTION: 100% pure polypropylene fibers. No fillers or binders. Meets FDA requirements for all food and beverage contact.

SERVICE LIFE: 1 year[‡] MAX. FLOW: <1.0 GPM / 3.4 LPM MAX. PRESSURE: 75 PSIG / 5.17 Bar TEMP. RANGE: 40-100° F / 4-38° C

[STAGE 2] ITEM #: F-GAC | PRE-FILTER ADVANCED CARBON

Protects membrane, filters chlorine, chloramine, VOCs, THMs, and PFAS for clear, clean water. Reduces and/or eliminates bad tastes and odors. Increased surface area, almost no fines release, enhanced adsorption, excellent performance.

CONSTRUCTION: Advanced carbon.

SERVICE LIFE: 1 year[‡] MAX. FLOW: <1.0 GPM / 3.4 LPM MAX. PRESSURE: 75 PSIG / 5.17 Bar TEMP. RANGE: 40-100° F / 4-38° C

[STAGE 3] ITEM #: F-MEM | ADVANCED RO MEMBRANE

Protection from inorganics, chloride, nitrates, nitrites, heavy metals, and more. Removes minerals and fluoride to suit your preferences. "Strips" water for full protection and as a precaution against fluoride allergies.

CONSTRUCTION: Polyamide thin-film composite.

SERVICE LIFE: 1 year[‡] PERMEATE FLOW: 50 GPD / 189 LPD MAX. PRESSURE: 75 PSIG / 5.17 Bar TEMP. RANGE: 40-100° F / 4-38° C

[STAGE 4] ITEM #: F-GAC-B | POST-FILTER CARBON BLOCK (1 MICRON)

Advanced final stage filter for chlorine, chloramine (chlorine and ammonia compound), lead, cysts, VOCs, THMs, PFAS and more. Increased surface area, enhanced adsorption, excellent performance in a carbon block form.

CONSTRUCTION: Activated carbon block.

SERVICE LIFE: 1 year[‡] MAX. FLOW: <1.0 GPM / 3.4 LPM MAX. PRESSURE: 75 PSIG / 5.17 Bar TEMP. RANGE: 40-100° F / 4-38° C

ITEM #: F-UV-MODULE | ULTRAVIOLET DISINFECTION** (**OPTIONAL, INCLUDED WITH MODEL #: RO4-UV)

Kills bacteria, viruses, and other microorganisms. Independently tested to reduce E. coli by 99.99992% and micrococcus luteus by 99.93%.

CONSTRUCTION: UV lamp encased in glass and 316 bonded stainless steel interior housing.

SERVICE LIFE: 1 year[‡] MAX. FLOW: <1.0 GPM / 3.4 LPM
MAX. PRESSURE: 75 PSIG / 5.17 Bar TEMP. RANGE: 40-100° F / 4-38° C

Independently lab-tested to meet or exceed NSF/ANSI Standard 42, 53 & 58 for reduction of chlorine, taste, odor, lead, and cysts.

SYSTEM SIZE: 5" deep x 16" tall x 16" wide (allow 4" clearance at the bottom of the unit for filter replacement maintenance)

WATER STORAGE TANK SIZE: 11" X 11" X 16" (3.2 gallon capacity – other sizes available)

SHIPPING CARTON SIZE: 12" x 12" x 30" **SHIPPING CARTON WEIGHT:** 20 lbs.

The ESSENTIAL comes fully assembled and complete with everything you need for a proper installation: chrome faucet dispenser (finish options available), air gap, drain adaptor, angle stop valve connection, all tubing (5 ft. each), mounting bracket, water storage tank, and all filters.

¹UV upgraded systems only.

²These substances may or may not be in your water. Please ensure this is the correct system for your needs. Please see included instructions for proper installation and usage.

[‡]Filter service life is based on local water conditions and usage.

****UV is included with model# RO4-UV. A UV upgrade can be added at any time to any RO.**

Our **ESSENTIAL Drinking Water Systems** (pictured at right) are available to suit the most common water conditions and personal preferences without the drawbacks of RO systems. Contact EWS Customer Service for more information.



CALL EWS CUSTOMER SERVICE: 702-256-8182 (MONDAY-FRIDAY 8 AM-4.30 PM PACIFIC TIME)
FAX: 702.256.3744 EMAIL: CUSTOMERSERVICE@EWSWATER.COM

WWW.EWSWATER.COM

