

ROMII/ROMIII

product specifications
Commercial grade reverse osmosis systems
for the home

The same commercial quality that makes Everpure® the overwhelming choice for water treatment in restaurants is also available for your home. Everpure's reverse osmosis systems deliver RO-quality water that reduces contaminants such as arsenic, lead, copper, sodium nitrate/nitrite, fluoride, cysts and TDS. The ROM III provides added protection by reducing MTBE and volatile organic chemicals.



ROM II

The ROM II utilizes the S-101 carbon block prefilter to prepare the water for the TFC cartridge. This prefilter reduces chlorine tastes and odors and other particulate matter in the water. The TFC (thin film composite) reverse osmosis cartridge then filters the water down to .00001 microns. This method of filtration reduces contaminants such as arsenic, fluoride, sodium, nitrates and TDS.

ROM III

The ROM III employs the same water filtering capabilities as the ROM II, but adds another level of protection with the VOC #1 cartridge. The VOC #1 post filter reduces volatile organic chemicals and MTBE that may exist in the water even after coming from the TFC cartridge.

It's water you can trust

the pure solution

Our products polish water to premium quality so that water is sparkling and free of unwanted tastes and odors. You'll taste the difference in every sip and everything made with water will taste better, too.

the convenient solution

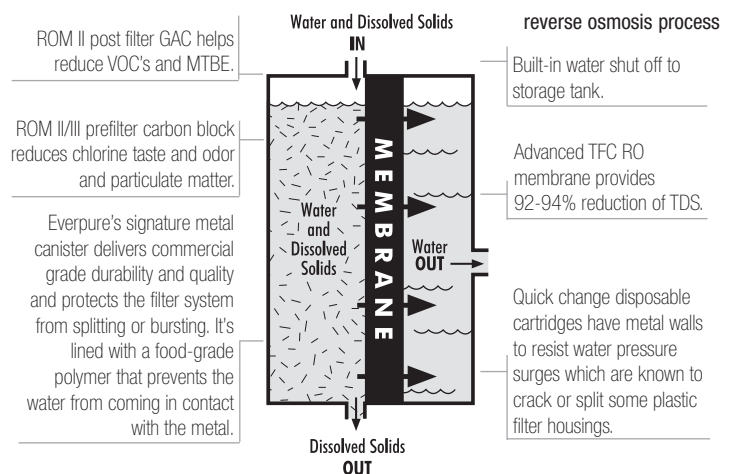
Everpure systems are easily installed using common household tools. Our systems mount under your sink and are plumbed to a separate filter faucet. And cartridge replacement is easy, too — just like changing a light bulb.

the practical solution

At only pennies per gallon, this system is less expensive per glass than bottled water or other drinking water systems and provides about a year's supply of water, depending on the size of your family and the amount of water you drink.

the advanced solution

The ROM water processors provide maximum protection of your drinking water against contaminants by blending up to three powerful technologies.



EVERPURE
WATER YOU CAN TRUST®

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ROM II Reverse Osmosis Drinking Water System (EV9273-85)
ROM III Reverse Osmosis Drinking Water System (EV9273-86)
S-101 Prefilter Cartridge "A" (EV9273-77)
TFC RO Cartridge "B" (EV9273-70)
ROM III VOC #1 Cartridge "C" (EV9273-79)

Features:

- > Finely polishes treated water to premium quality for drinking and cooking.
- > Reduces chlorine taste and odor.
- > Reduces dirt, rust, asbestos fibers, and other particulates such as oxidized iron, manganese, and sulfides.
- > Reduces parasitic protozoan cysts such as Giardia, Entamoeba, and Cryptosporidium.
- > Controls even extreme levels of common "off" tastes and odors, including those which are earthy, moldy, and fishy.
- > Reduces lead to below the Federal Action Level.
- > Effectively reduces Volatile Organic Chemicals (VOCs), including Trihalomethanes (THMs).
- > Effectively reduces methyl tertiary-butyl ether (MTBE).
- > Inhibits limescale build-up in water-using applications.

General Installation/Operation/Maintenance Requirements:

- > It is recommended that before purchasing a water treatment unit, you have your water tested to determine your actual treatment needs.
- > Space required: 12" wide x 17" high x 4" deep (30 x 43 x 10 cm), plus an additional 3 inches of clear space under unit for cartridge change.
- > Install vertically with cartridges hanging down.
- > Use minimum length of tubing possible.
- > Flush all cartridges, "A", "B" and "C" per Installation and Use Manual provided with unit.
- > S-101 Prefilter Cartridge "A" and VOC #1 Organics Cartridge "C" should be changed every 6 months. Properly maintained, TFC RO Cartridge "B" will last 2-3 years under average water conditions. It is not possible to be specific about gallonage limits because turbidity and other aspects of water quality are unpredictable.
- > A separate drinking water faucet is required.

This system has been tested by Everpure for the reduction of the substances listed below.

Substance	Influent Challenge Concentration	Max. Permissible Product Water Concentration	Reduction Requirements	Minimum Reduction	Average Reduction
Arsenic	0.30 mg/L ± 10%	0.025 mg/L		96.6%	98.0%
Barium	10.0 mg/L ± 10%	2.0 mg/L		90.0%	90.0%
Cadmium	0.03 mg/L ± 10%	0.005 mg/L		90.0%	96.4%
Chromium (Hexavalent)	0.3 mg/L ± 10%	0.1 mg/L		86.6%	86.6%
Chromium (Trivalent)	0.3 mg/L ± 10%	0.1 mg/L		85.7%	85.7%
Copper	3.0 mg/L ± 10%	1.3 mg/L		96.5%	99.2%
Fluoride	8.0 mg/L ± 10%	1.5 mg/L		89.9%	95.2%
Lead	0.15 mg/L ± 10%	0.010 mg/L		97%	98.1%
Nitrate plus Nitrite (both as N)	30.0 mg/L ± 10%	10.0 mg/L			
Nitrate(as N)	27.0 mg/L ± 10%	10.0 mg/L		74.3%	80.4%
Nitrite(as N)	3.0 mg/L ± 10%	1.0 mg/L		68.3%	75.8%
Selenium	0.10 mg/L ± 10%	0.05 mg/L		93.0%	96.8%
Radium 226/228	25 pCi/L ± 10%	5 pCi/L		80.0%	80.0%
Total Dissolved Solids	750 mg/L ± 40 ug/L	187 mg/L		92.4%	94.6%
Cyst	Minimum 50,000/L		99.95%	99.99%	99.99%
MTBE*	0.015 mg/L ± 20%	0.005 mg/L		77.8%	92.1%
Chloroform	0.30 mg/L	0.15 mg/L		95.0%	99.0%
VOCs*	265 ppb	10 ppb		96.0%	99.0%

Actual system performance may vary depending on water pressure, water temperature and other substances which may be found in water.

This drinking water system must be maintained according to the manufacturer's instructions, including replacement of filter cartridges. The substances reduced or removed by this system are not necessarily in your water. Read the performance data sheet.

flow rate

Controlled at 0.5 gal./min. (1.9 L/min.)

minimum temperature

40-100° F (2-38° C) cold water use only

minimum pressure

40 psig. (280 kPa)

maximum pressure

125 psig. (860 kPa)

nominal production rate*

14.4 gal/day (54 Lpd)

* this may vary depending on specific water conditions

everpure warranty

Everpure Drinking Water Systems are warranted to be free of defects for a full twelve (12) months after purchase. A detailed warranty statement is provided with each system.

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