



**Reverse osmosis systems  
for safe, great tasting drinking water.**

# Once Upon-A-Time No One Ever Questioned The Quality Of Our Drinking Water

Our lakes, rivers and streams were crystal clear and drinking water was safe to drink. But this was before the industrial revolution, expanded population growth and urbanization of our cities and towns.

Today, drinking water quality is on everyone's mind because contaminants from waste sites, factories, leaking fuel storage tanks and run-off from farming chemicals have seriously threatened our water supply.

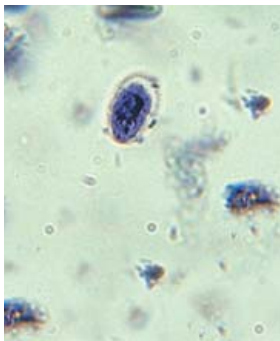


Municipal water treatment plants add chlorine to make certain our water supply is safe. Other contaminants, however, such as lead and asbestos can be introduced to water in pipelines that supply water to your house.

For these reasons, many concerned individuals have turned to in-home water treatment systems for safe and more healthful drinking water for their use and enjoyment.

## Drinking water problems:

### Contaminants



Water for drinking, beverages and preparing foods should be safe and free from harmful contaminants. This is particularly important if you get your water from a private well. And even if your municipal water meets all standards, it may contain other impurities that could be responsible for long term health effects.

### Turbidity & color

Cloudy water is due to turbidity, or finely divided particles. Color in water is most often due to dissolved organic matter. Often, these problems result in water that is unpleasant to drink. Turbidity and color in water can easily be corrected with point-of-use water treatment systems.



### Foul taste & odors

From its passage from clouds to your tap, water comes in contact with many different impurities which can produce foul taste and odors that can ruin the enjoyment of prepared foods and beverages.



### If you think bottled water is the answer. Think again!

Many individuals are buying bottled water because they are concerned about drinking water quality. Bottled water is expensive, and it's very inconvenient. Water produced by RO systems cost pennies a gallon, compared to a dollar or more for bottled water.



# Reverse Osmosis

*The most widely used technology for safe, great tasting drinking water.*

## Removes the entire spectrum of drinking water contaminants

Reverse osmosis drinking water systems include membrane separation, activated carbon absorption and conventional filtration to reduce the entire spectrum of contaminants that can be found in water. RO systems substantially remove heavy metals, such as barium, cadmium, chromium, lead and mercury; radium 226 / 228 selenium, cysts, chlorine, salts, turbidity and more!



Reverse osmosis systems remove the entire spectrum of harmful contaminants.

## Residential applications

- Drinking water
- Ice cubes
- Juices, coffee & tea
- Cooking water
- Low sodium diets
- Auto batteries
- Soup & Sauces
- Steam irons
- Weight loss diets
- Aquariums
- Baby formulas
- Plants
- Pets
- Humidifiers
- And more!

## Follow these steps for great tasting drinking water:

### #4 Storage tank

Holds RO processed water until high quality water is needed.



### #2 Pre-filter (activated carbon)

Removes chlorine and protects the RO membrane.



### #1 Pre-filter (sediment)

Removes sediment, rust, dirt and other solid debris.

### #5 Post-filter (activated carbon)

Final polish to remove tastes, odors and organic chemicals prior to water consumption or use.

### #3 RO membrane

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



### #6 Faucet

Dedicated faucet for RO water. Conveniently located in kitchen or where water is to be used.

**All systems are performance & pressure tested prior to shipment.**

## Models:



Dedicated faucet for RO water.

**FMRO4G and FMRO4J, our most popular models, offering four stage RO treatment with pre-filtration for sediment, activated carbon to remove chlorine, reverse osmosis membrane to reduce unwanted contaminants in solution and post-carbon to eliminate foul tastes and odors.**



**FMRO5G (Five stage with push-on fittings and 3/8" tubing from tank to faucet.) FMRO5J available with compression fittings.**



**FMRO5GP (Five stage with push-on fittings, 3/8" tubing from tank to faucet and booster pump for low pressure.)**

## 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	ROPRO4®* (2.6 gals.)
Membrane	Filmtec® by Dow Corp.
Sediment pre-filter	5 micron spun cartridge
Activated carbon pre-filter	NSF listed solid block carbon
Activated carbon post filter	AICRO*
Filter housings	Flowmatic FH4200WW*
Faucet	Lead Free**
Fittings	J, compression; G, push-on.

\* NSF Component certified for materials & structural integrity. \*\* Meets CA req.

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

## 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. See installing dealer for system warranty.

## Tested for quality performance



All reverse osmosis systems are fully tested at the factory for quality assurance. QC tests include flow, pressure, storage tank integrity and pressure; functional tests for shut off valves, check valves & other components; and rejection tests of total dissolved solids for systems with factory installed membranes.

**Distributed by:**