

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.

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