Reverse Osmosis Drinking Water System

- Delicious, sparkling-clear drinking water
- Convenience: Fresh, clean water ready at your faucet
- Pristine, flavorful coffee, tea and juice
- Quality water for your aquarium
- Cleanly rinsed fresh fruits and vegetables
- Crystalline, harder and clearer ice cubes
- Prolong the life of your humidifier or steam iron
- Spotless glassware when rinsed with R.O. water
- Cost effective: No more bottled water costs
- Better tasting soups, sauces and meals
- Environmentally sound: No chemicals
- Great for your pets

Model T.F.C.-400

Four High Performance Filtration Stages...

Stage 1	Stage 2	Stage 3	Stage 4
The Sediment Prefilter protects the automatic shut–off, Activated Carbon Block Filter and Membrane from clogging with debris.	The water is then routed to an Activated Carbon Block Filter, where the chlorine is taken out to protect the refined T.F.C. Membrane.	Reverse Osmosis. This is the heart of the system. The T.F.C. Membrane substantially reduces dissolved solids and other unwanted impurities.	The final stage of filtration, an Inline Carbon Filter, reduces any remaining tastes and odors before the water reaches your glass, adding a final "polish" to your filtered water.

State-Of-The-Art Features...

- Patented Design: Exclusive manifold plate with patented channel design reduces tubing connections and simplifies installation.
- High Capacity Tank: Holds approximately 2 gallons of water without taking up a lot of space.
- Compact System: Space-saving design is ideal for undersink installations and uses a minimum of space.
- Automatic Shut-Off: Signals the system to stop making water until more is needed.
- Maximum Production: High performance T.F.C. Membrane with a rating of 50 gallons per day, (189 liters per day).

Model T.F.C.-400 Technical Support Information

Primary Assembly Components			
Prefilter #1: Sediment Filter	**Prefilter #2:** Activated Carbon Block Filter	**Membrane:** Thin Film Composite (T.F.C.)	**Post Filter:** Inline Carbon Filter

Performance Specifications

Membrane Rating	
Membrane Production[1]	50 ± 10 gallons per day (151-227 lpd)
Membrane T.D.S. Reduction[1]	93% minimum

Incoming Water Specifications

Water Pressure	40–100 psig (280–690 kPa)
Total Dissolved Solids (T.D.S.)	2000 ppm (mg/l) maximum
Water Temperature	40–100°F (4–38°C)
pH	4–11 (optimum rejection at pH 7.0 - 7.5)
Hardness	less than 10 gpg (170 mg/l) or soften
Iron	less than 0.1 ppm (mg/l)
Manganese	less than 0.05 ppm (mg/l)
Hydrogen Sulfide	none
Chlorine[2]	see note below
Bacteria[3]	water source must be potable

[1] Measured at industry standard condition of 65 psig (448 kPa), 77°F (25°C), 600 ppm (mg/l) T.D.S., and discharging to atmosphere.

[2] Chlorine will damage a T.F.C. Membrane. The Activated Carbon Block Filter will reduce the amount of chlorine from the incoming water. Change cartridge every 6 to 12 months, more often if the water contains more than 1 ppm chlorine.

[3] Do not use with water that is microbiologically unsafe or of unknown quality, without adequate disinfection before or after the system.

Your Water Treatment Professional:

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