# 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.-300



### Three High Performance Filtration Stages...

#### Stage 1

The Sediment/Carbon Prefilter protects the automatic shut-off and Membrane from clogging with debris, but also filters out chlorine to protect the refined T.F.C. Membrane.

#### Stage 2

Reverse Osmosis. This is the heart of the system. The T.F.C. Membrane substantially reduces dissolved solids and other unwanted impurities.

#### Stage 3

The final stage of filtration, an Activated 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.-300 Technical Support Information**

Primary Assembly Components			
Prefilter:	Membrane:	Post Filter:	
Sediment/Carbon Filter	Thin Film Composite (T.F.C.)	Activated Carbon Filter	

Performance Specifications		
Membrane Rating		
Membrane Production <sup>1</sup>	$50 \pm 10$ gallons per day (151-227 lpd)	
Membrane T.D.S. Reduction <sup>1</sup>	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 <sup>2</sup>	see note below
Bacteria <sup>3</sup>	water source must be potable

<sup>&</sup>lt;sup>1</sup> Measured at industry standard condition of 65 psig (448 kPa), 77°F (25°C), 250 ppm (mg/l) T.D.S., and discharging to atmosphere.

Your Water Treatment Professional:		

<sup>&</sup>lt;sup>2</sup> Chlorine will damage a T.F.C. Membrane. The Sediment/Carbon Prefilter Cartridge will reduces chlorine from the incoming water. Change cartridge every 6 to 12 months, more often if the water contains more than 1 ppm chlorine.

<sup>&</sup>lt;sup>3</sup> Do not use with water that is microbiologically unsafe or of unknown quality, without adequate disinfection before or after the system.