

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: