

***microline*[®] 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.-335



Three High Performance Filtration Stages...

| Stage 1 | Stage 2 | Stage 3 |
|--|---|--|
| The Sediment/Carbon Prefilter protects the automatic shut-off and Membrane from clogging with debris, and is also designed to reduce chlorine, 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 (specified on the performance data sheet) from the water stream. | 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).
- Optional Water Quality Monitor: An optional Water Quality Monitor allows you to ensure your system is working by simply pushing a button.

Model T.F.C.-335 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 ¹ | 41-53 gallons per day (155-201 lpd) |
| Membrane T.D.S. Reduction ¹ | 96% minimum |

System Rating

| | |
|--|--------------------------|
| System Production ² | produces 11 gpd (41 lpd) |
| System Average T.D.S. Reduction ² | 94% |

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 ³ | see note below |
| Bacteria ⁴ | water source must be potable |

¹ 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.

² Actual capacity measured at 50 psig (345 kPa), 77° ± 2° F (24° - 26° C), and 750 ± 40 ppm (mg/l) TDS per section 6 of NSF/ANSI Standard 58 product water to pressurized storage tank.

³ Chlorine will damage a T.F.C. Membrane. The Sediment/Carbon Prefilter Cartridge is designed to reduce chlorine from the incoming water. Change cartridge every 6 to 12 months, more often if the water contains more than 1 ppm chlorine.

⁴ Do not use with water that is microbiologically unsafe or of unknown quality, without adequate disinfection before or after the system.



Tested and Certified by NSF International against NSF/ANSI Standard 58 for the reduction of: Arsenic (Pentavalent), Barium, Cadmium, Chromium (Hexavalent), Chromium (Trivalent), Copper, Fluoride, Lead, Nitrate, Nitrite, Radium 226/228, Selenium and TDS.

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