



## The Microline® T.F.C.-435 R.O. Drinking Water System will reduce the following:

- Arsenic V
- Barium
- Cadmium
- Chromium III
- Chromium VI
- Copper
- Fluoride
- Lead
- Nitrate
- Nitrite
- Selenium
- TDS
- Radium 226/228

\* For specific percentages of reduction, consult the performance data sheet. Do not use with water that is microbiologically unsafe or of unknown quality, without adequate disinfection before or after the system. This system conforms to NSF/ANSI Standard 58 for pentavalent arsenic reduction. See the Performance Data Sheet and Arsenic Facts section for an explanation of reduction performance.

This system is acceptable for treatment of influent concentrations of no more than 27 mg/L nitrate and 3 mg/L nitrite in combination measured as N and is certified for nitrate/nitrite reduction only for water supplies with a pressure of 280 kPa (40 psig) or greater.

On a yearly basis it is recommended that you have your water tested by a water treatment professional or an independent laboratory to verify your system is performing satisfactorily.

- A Simple, Basic,
- Pure, Necessity... Water.

### Because water is vital...

Water is a daily, life-sustaining requirement. It is one of the pure and basic necessities in life.

Ensuring that the water we drink everyday is the safe, natural water that our bodies demand is as vital as the water itself.

Unfortunately, not all of the water we use from our taps is the pure, fresh water that our bodies desire.

The Microline® R.O. Drinking Water System effectively reduces harmful impurities,\* turning ordinary tap water into the water that nature intended for us to drink...fresh, natural, life-sustaining water.

Microline® R.O.  
Drinking Water Systems



This system has been Tested and Certified by NSF International against NSF/ANSI Standard 58.

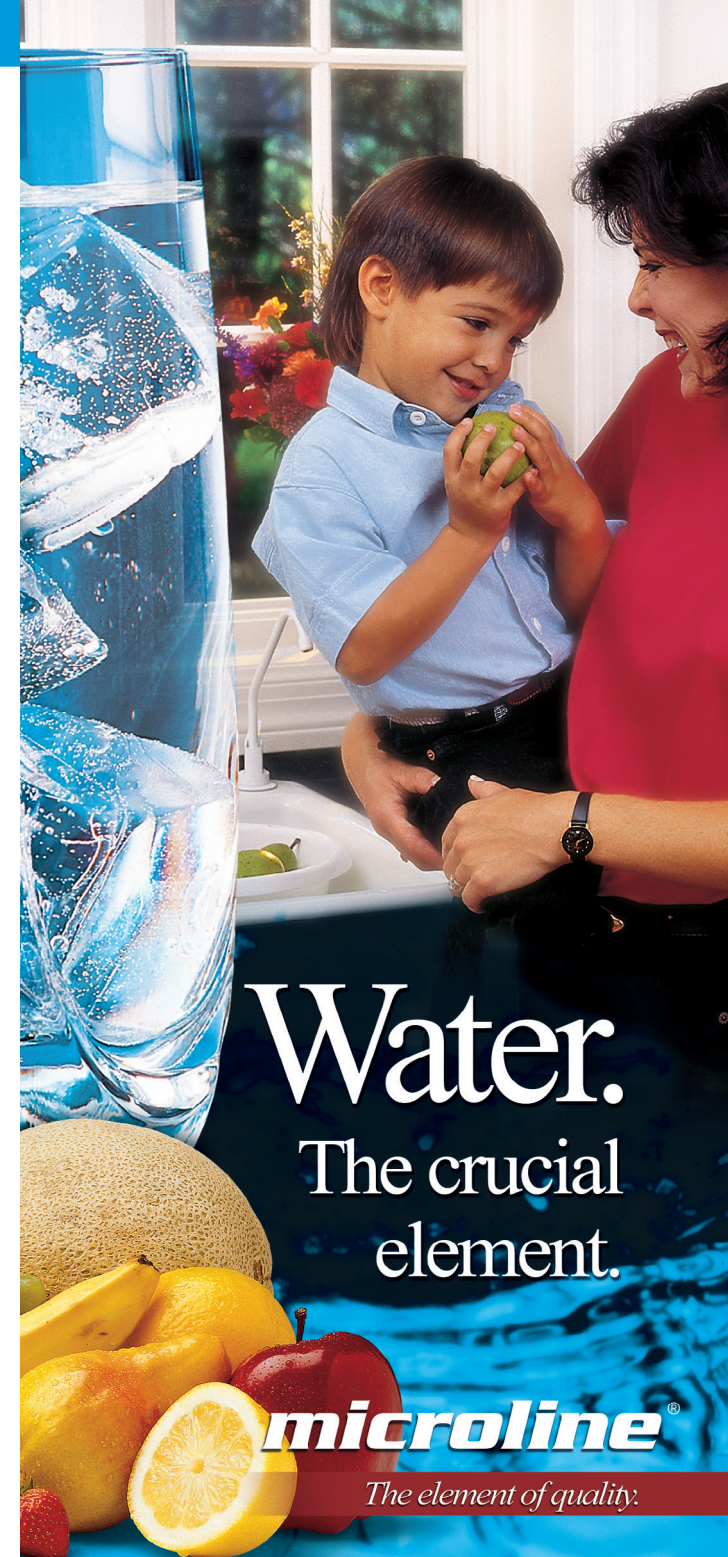
NSF is the nationally recognized agency for the certification of reverse osmosis systems. Products with the NSF mark are certified to pass a series of stringent independent tests. Look for the NSF mark. It is your assurance the system meets its claims.

••••• Your local water treatment professional: •••••

**microliner**

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**Water.**  
The crucial  
element.

**microliner**

*The element of quality.*

MICROLINE® R.O. DRINKING WATER SYSTEMS



Model T.F.C.-435

### Some of the crystal clear benefits of Microline® R.O. water:

- Delicious, sparkling-clear drinking water.
- Pristine, flavorful coffee, tea and juice.
- Cleanly rinsed fresh fruits and vegetables.
- Crystalline, harder and clearer ice cubes.
- Better tasting soups, sauces and meals when prepared with R.O. water.
- Cost effective. The daily cost of bottled water will no longer be a concern.
- Convenient. Fresh, clean water, ready at your tap.

**Microline® R.O. water is water the way that it's supposed to be. Water that looks, smells and tastes like drinking water.**

## • How Does The Microline® R.O. System Work?

The “R.O.” of the Microline® System is the secret.

“R.O.” is **Reverse Osmosis**. It may sound technical, but osmosis is a natural, organic phenomenon, a process that occurs in nature on a continuous basis. Vegetation, like trees, plants and flowers attain their nutrients by using osmosis to draw water from the soil.

The Microline® process of Reverse Osmosis (R.O.) works like this:

The pressure from a household tap forces water through a Microline® semipermeable Membrane. This Membrane separates the everyday household water at the molecular level. The Membrane acts like a filter to isolate impurities,\* reducing them so that the water becomes purer, **Reverse Osmosis** water, with substantially reduced dissolved solids and impurities\*. This cleaner, more refined water is then stored in a holding tank, ready at your convenience.

## • The Microline® Water Quality Monitor

**How do I know if the R.O. System is working properly?**

Microline® has taken the guess work out. An optional water quality monitor can be integrated into the system so you can feel more confident that your system is working by simply pushing a button. When you push the water quality monitor button in the cover, a green light shows that your R.O. is working fine. An amber light will show when service may be required.

Systems without the water quality monitor have a water quality test kit that allows you to test your R.O. water with a local water treatment professional or send it out to an independent laboratory for analysis.

## • The T.F.C.-435 R.O. Drinking Water System:

The elite of the Microline® Systems. The T.F.C.-435 R.O. System features such benefits as four stages of filtration for the ultimate in clean, fresh tasting water as well as larger tubing to provide faster water flow to the Microline® faucet.

In the Microline® T.F.C.-435 R.O. System, water first enters the system through the Sediment/Carbon Prefilter. This specialized filter 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.

Water then travels to the operational center of the system—the T.F.C. Membrane. This is where the “Reverse Osmosis” of the Microline® R.O. System happens.

After the Membrane, the R.O. water is routed to an Activated Carbon Filter. At this stage of filtration, the water flows through the filter very slowly to achieve prolonged contact with this specialized carbon. Water is then plumbed to the holding tank, ready for use.

When you turn on the Microline® faucet and draw water from the holding tank, it goes through its final stage of filtration, a Carbon Post Filter, which is designed to reduce any remaining tastes and odors before reaching your glass. This carbon imparts the final “sweet” polish to your water.



\*For specific percentages of reduction, consult the performance data sheet.