

### Does your water have a yellowish or tea-colour to it?

If your answer is yes, you may have tannin in your water.

Tannins are dissolved decayed organic matter generally found in shallow well and surface waters like lakes, rain-fed streams etc. Some water sources carry tannin all year round while some may have tannin only seasonally, particularly in the spring and fall run-offs.



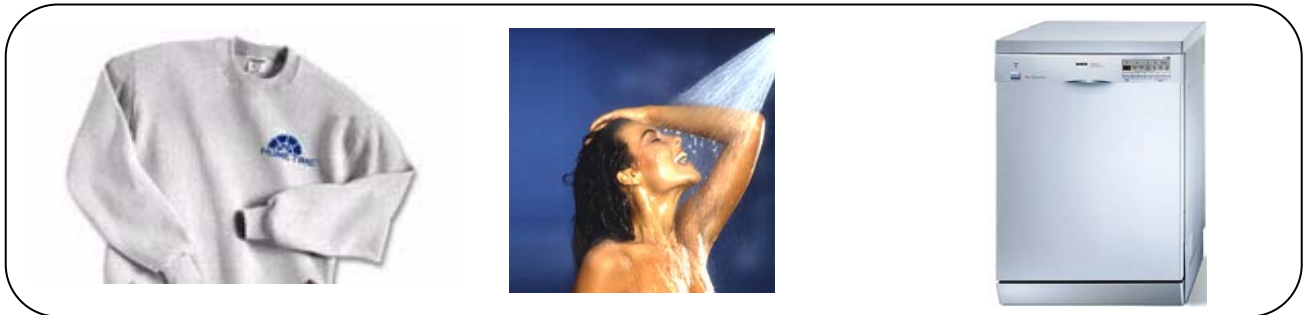
Though not a direct health risk, tannins impart a yellow or tea-color to water, making it aesthetically unpleasant and reducing the efficiency of ultraviolet disinfection systems. Further, tannins can bind iron organically; make it extremely difficult to be removed by conventional methods.

#### **Rainfresh TanSoft systems – Double Action!!**

Rainfresh TanSoft systems remove tannin from water and also make it soft by removing hardness-causing compounds (Calcium and Magnesium). Tansoft systems work on the principle of ion exchange, featuring a special tannin-specific resin to reduce tannins and a high-efficiency cationic resin to reduce hardness. They are designed for whole-house installation and treat all the water going into the house. The system is usually located after the pump/pressure tank system and any sediment/iron filters, but before the plumbing line divides into hot and cold.

#### **ADVANTAGES**

- Removes tannin from whole-house
- Makes water clear & fresh
- Prevents scale build-up on sinks and bath-tubs
- Reduces soap and detergent consumption significantly
- Prevents deposits on tea kettles and coffee makers.
- Metered backwash/regeneration minimizes water and salt use.

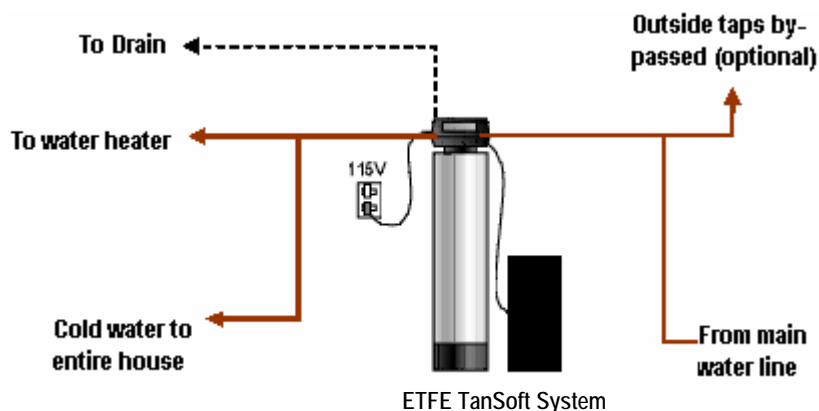


When water flows through the Rainfresh TanSoft system, hardness and tannin are removed instantly and soft clear water passes out for use. TanSoft systems feature a fully metered electronic control valve that sets off an automatic backwash and regeneration cycle (default set for 2AM) once the resin exchange capacity has been exhausted. During the backwash/regeneration cycle, the resin bed is cleaned up of dirt and recharged with a salt solution. Salt is stored in a separate container included with the system.

Regeneration is based on volume of water treated, thereby optimizing water and salt usage.

**Tannin-free and soft water for the entire home!**

## Where to install Rainfresh ETFE TanSoft System



The ideal location for installation is after the pressure tank before line divides into hot and cold. If turbidity, iron or manganese filters are installed, the ETFE Tannin Filter system should be installed after them, but before a UV system.

### Will I drink all the salt that I put in the salt tank?

Salt is only used to recharge the tannin & softener resin with chloride and sodium ions respectively after the resin capacity has been exhausted. Following this salt-recharge, the softener undergoes a rinse cycle during which any left-over salt is discharged to drain. You may however, notice a slight salty taste to the water, depending on the tannin levels in your water.

## MODEL Specifications

Rainfresh Model	Max Flow Rate US GPM (LPM)	Max Flow to drain US GPM (LPM)	Media Tank size Dia x H (Inch)	Salt tank size Dia x H (Inch)	Inlet/Outlet connections	Shipping Weight lbs (Kg)
ETFE1054	12 (45)	2.0 (7.5)	10" x 54"	21"x36"	3/4" MPT	140 (64)

\* - 1 US Gallon = 0.8327 Imperial gallon. Call Rainfresh for custom sizes. All models are equipped with by-pass valve, drain line connections and automatic electronic metered control valve.

## Conditions for operation

- Iron < 1.0 ppm
- Manganese < 0.05 ppm
- Turbidity < 1 NTU
- Hydrogen Sulfide – Nil

Water temperature = 4°C to 40°C  
 Water Pressure = 25 psi to 100 psi

ETFE tannin filters do not disinfect the water. They should not be installed on water that is microbiologically unsafe without adequate disinfection before or after the system. For details on available disinfection systems, call Rainfresh.

## ABOUT RAINFRESH/ENVIROGARD

For over 50 years, Envirogard has been leading the water treatment industry in Canada by providing high quality products and solutions at affordable prices. "Rainfresh" products are used by homeowners across Canada and in over 40 countries worldwide.



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