

**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.



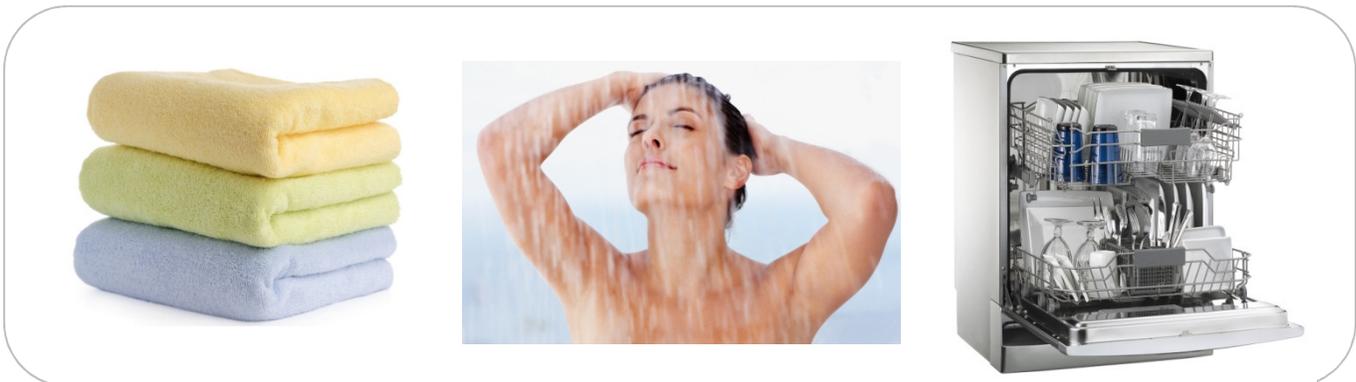
Though not a direct health risk, tannins impart a yellow or tea-color to water, making it aesthetically unpleasant and reducing the efficiency of ultraviolet disinfection systems. Further, tannins can bind iron organically; make it extremely difficult to be removed by conventional methods.

- ADVANTAGES**
- Removes tannin from whole-house
  - Makes water clear & fresh
  - Automatic backwash
  - Minimal salt use
  - Low maintenance

**Rainfresh CTFE Series Tannin Reduction Systems**

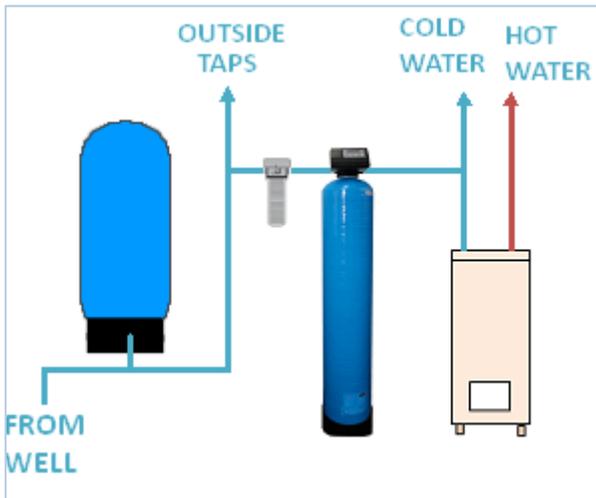
Rainfresh CTFE system removes tannin from water by the principle of ion exchange. It features a high grade tannin-specific resin with low amines to reduce tannins. It is designed for whole-house installation and treats all the water going into the house. The system is usually located after the pump/pressure tank system and any sediment/iron filters, but before the plumbing line divides into hot and cold.

When water flows through the Rainfresh CTFE system, tannins are removed instantly and clear water passes out for use. The CTFE system features a fully automatic electronic control valve that sets off an automatic backwash and regeneration cycle 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.



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

## Where to install Rainfresh CTFE 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 CTFE 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 resin with chloride ions after the resin capacity has been exhausted. Following this salt-recharge, the system 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	Recommended 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)
CTFE948	3 (11.5)	1.0 (3.8)	9" x 48"	21"x36"	¾" MPT	104 (47.2)

\* - 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

- Hardness < 3 GPG
- Iron < 0.3 PPM
- Manganese < 0.05 PPM
- Water temperature = 4°C to 40°C
- Water Pressure = 25 psi to 100 psi
- Power supply – 110V AC
- Turbidity < 1 NTU
- Hydrogen Sulphide – Nil

CTFE 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.