

TEC

(Taste Enhancement Cartridge)

For use on “bottle less” water coolers

What is TEC?

The process of Reverse Osmosis filtration significantly reduces minerals in the water. It's the minerals in the water that affect taste. The TEC is a calcium based filled post cartridge that returns taste enhancing minerals back into the water. This product is used in conjunction with 3M™ Purification Inc. Reverse Osmosis System.

What material is used in TEC?

- A proprietary blend of minerals typically used to enhance the taste of bottled water
- Natural minerals ground to consistent sized particles
- Minerals are washed to eliminate “clouding” of water when first used.

How does it work?

The TEC cartridge is placed between the post-carbon and the dispenser. When water passes through the TEC, taste enhancing minerals are added to add flavor back into the water. Depending on the pH and temperature of the water, up to 50 ppm is added.



Water Cooler Application



Data Sheet

FE-1

Use Replacement Cartridge Model FE-1R

Capacity* 1500 gallons

* Manufacturer's claim

The FE-1 Taste Enhancement System is used in conjunction with SQC Series Reverse Osmosis Systems to add minerals back into the water to enhance taste prior to consumption.

System is Component listed under NSF Std 58 for Material and Structural requirements

Application Guidelines/Water Supply Parameters

Water Supply	Potable Water
Water Pressure	40 - 100 psi (275 - 690 kPa)
Water Temperature	40°F - 100°F (4.4°C - 37.8°C)

It is essential that the manufacturer's recommended installation, maintenance and filter replacement requirements be carried out for the product to perform as advertised.

Note: While the testing was performed under standard laboratory conditions, actual performance may vary.

Replacement Cartridge: Model FE-1R. For estimated costs of replacement elements please call 1-888-724-6362.

WARNING

To reduce the risk associated with ingestion of contaminants: Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before and after the system.

CAUTION

To reduce the risk associated with property damage due to water leakage:

- **Read and follow** Use Instructions before installation and use of this system.
- Installation and use **MUST** comply with all state and local plumbing codes.
- **Do not** install if water pressure exceeds 100 psi (690 kPa). If your water pressure exceeds 80 psi, you must install a pressure limiting valve. Contact a plumbing professional if you are uncertain how to check your water pressure.
- **Do not** install where water hammer conditions may occur. If water hammer conditions exist you must install a water hammer arrester. Contact a plumbing professional if you are uncertain how to check for this condition.
- Do not install on hot water supply lines. The maximum operating water temperature of this filter system is 100° F (37.8° C).
- **Protect filter from freezing.** Remove filter cartridge when temperatures are expected to drop below 40° C (4.4° C)
- The disposable filter cartridge **must** be replaced every 18 months, at the rated capacity or sooner if a noticeable reduction in flow rate occurs.

Parts and service available from:

3M

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