

Techfilter – General Notes

Netafim's revolutionary Techfilter protects against roots invading the system. Here's how it works: Triflurex[®] (Treflan[®]) is incorporated into the replaceable disc ring assemblies inside the filter housing. When water passes through the filter, a very low concentration of Trifluralin (parts per billion level) is transmitted throughout the piping network and effectively inhibits root growth into the dripper outlets. Triflurex[®] is manufactured by Agan Chemical Manufacturing Ltd.

Applications

Recommended for use with all new Techline subsurface dripperline installations as well as for other Subsurface Drip Irrigation (SDI) applications including crops and turf and effluent disposal.

Features/Benefits

- ◆ Prevents root intrusion
- ◆ Replaceable Techfilter Cartridge allows renewal of protection
- ◆ Delivers a low concentration of trifluralin evenly to all drippers throughout the system
- ◆ Sealed packaging dramatically extends shelf life and adds to filter replacement convenience
- ◆ Easy, no-touch installation of trifluralin disc ring
- ◆ Provides ultra-efficient water filtration with performance far superior to screen-type filters
- ◆ Renewable warranty, activated when filter cartridges are installed and registered, gives you and your customers the opportunity to take advantage of a lifetime of protection.

Filters are an integral part of every drip system. No system should be designed or assembled without proper filtration. The primary function is to filter out contaminants that could plug the small orifices of the drippers. Netafim's Techfilter serves a secondary purpose of protecting against roots invading the system.

Trifluralin is incorporated into the replaceable disk ring assemblies inside the filter housing. When water passes through the filter, a very low concentration of trifluralin (parts per billion level) is transmitted throughout the system. The operation of this technology provides very precise and even distribution of trifluralin through the piping network which will inhibit root growth into the dripper outlets. No other uses or claims are made for the use of this product beyond the protection of the system from root intrusion.



Techfilter Installation and Mounting Instructions

The installation of the Techfilter is no different than any other filter. It is advisable to install the filter so the filter rings are easily removed for periodic cleaning of contaminants and replacement of the rings at the end of their effective life. The filter should be mounted so the cover can be easily disassembled and the ring set, when removed, will not drop dirt or particle contaminants back into the filter body. Do not install the filter in direct sunlight. However it is also possible to install as a “by-pass” system so the filtration load is shared with another filter/s and the Techfilter still delivers Trifluralin into the system.

Effective Use and Replacement Guidelines

The Techfilter can effectively protect the system from root intrusion for 200 hours of use, but not longer than 2 years of service. We recommend the replacement of the filter cartridge following the above guidelines.

Other notes

1. Trifluralin is the active ingredient in Treflan[®] and Triflurex[®]
2. Trifluralin works biochemically by preventing root-tip cell reproduction, which simply stops root growth in the area to be protected. Trifluralin is a Class IV chemical that is registered by the U.S. Environmental Protection Agency. It is one of the most tested chemicals in the USA having been used in agriculture for more than 30 years.
3. Tests show that Trifluralin decomposes in six months or less, so it does not persist in soil. Its water solubility is an extremely low 0.3 ppm, which makes it unlikely to leach. Some tests show Trifluralin to be less toxic than salt, aspirin or nicotine
4. Warranty applies to Netafim Drip systems only. Renewable Two Year Netafim Techfilter Cartridge Warranty is activated when cartridge is installed and registered.