



Revel Environmental Manufacturing Inc.

sales@remfilters.com (888) 526-4736 Lic. No. 857410

Northern California 960-B Detroit Avenue Concord, California 94518 P: (925) 676-4736 F: (925) 676-8676	Southern California 2110 South Grand Avenue Santa Ana, California 92705 P: (714) 557-2676 F: (714) 557-2679
--	---

Commonly asked questions and answers (Q&A):

A. What type of device is it?

REM TRITON Bioflex Trash Guard (BFTG) Filters are catch basin filter inserts designed to meet the specifications defined as a *Full Trash Capture (FTC)* device by the San Francisco Regional Water Control Board.

B. What design elements are unique to the device?

REM TRITON BFTG Filters are configured with REM's patented vertical cartridge system. The system treats flow laterally through a three dimensional media called Bioflex resulting in reduced occlusion and increased flow over a wider range of trash capture capacity.

TRITON filters utilizes a scalable modular design allowing for maximum trash capturing capacity and treatment flow for all catch basin sizes, shapes and configurations.

C. Will the hydraulic flow of the municipal underground system be impacted by the installation of the device?

REM TRITON BFTG Filters are installed 9 to 20" below the street grade level and above the outlet pipe avoiding any impediment of flow coming from incoming pipes serving catch basins further up the underground system. By installing the filter above the outlet pipe, TRITON Filters avoid problems associated with flow degradation common with outlet trash pipe screens.

D. What materials are used to construct the device?

TRITON BFTG Filters construction material:

- **Base plates are constructed using .5" Non-reactive High Density Polyethylene Plastic (HDPE) with added U.V. inhibitors.**
- **Base plate support mounts are attached to the catch basin wall utilizing stainless steel anchor bolts.**
- **Removable cartridges are made with Type 304 Stainless Steel welded for 1.75" X 2" square openings.**
- **Cartridge caps are made from 100% + recycled material.**
- **Bioflex is fabricated using polyester fiber mesh (netting), a blend of coir fibers, and water based latex (as the binding agent).**
- **REM filters are "Made in the USA".**
- **Certificate of Origin Declaration is available upon request.**

E. What is the estimated design life of the device?

REM TRITON BFTG Filters estimated design life is in excess of 15 years assuming the filters are maintained per manufacture specifications and/or if REM preforms the ongoing O&M maintenance.

F. What is the customary length of time from receipt of an order to the installation of devices?

REM shall require four weeks from receipt of an order to confirm measurements and install the TRITON Filters plus any additional time required to fulfill municipal obligations (i.e. meetings, encroachment permits, traffic plans and etc.). (Timing may fluctuate depending on the REM pipeline and quantity ordered.)

G. What are the installation procedures and how long does it take to install the device?

The installation process includes implementation of traffic control measures and confined space operational safety procedures as necessary for the project site. Grate lids and/or manhole covers are removed and the REM TRITON BFTG Filter is installed in the catch basin structure. After the installation is completed the operational area is restored to its original condition.

Filter installation should take no more than 30 minutes per catch basin (excluding traffic control measures). Most often the procedure takes less than 15 minutes.

H. How long does it take to perform the maintenance on one device?

The REM TRITON BFTG Filter cleaning process should take no more than 15 minutes per filter excluding implementation of traffic control and safety requirements that may be specific to the circumstances. REM offers economical, scalable and turnkey O&M programs that can be customized to address maintenance requirements and available resources for any municipality.

I. If required, can municipal personnel gain access below the device?

Yes, the REM TRITON BFTG filter cartridge cam-locks in place and may be removed with a simple quarter turn. The filter base plate may be removed as well but not required (or recommended) during routine maintenance.

J. Can the Bioflex media be cleaned and does it require replacing?

Yes, Bioflex can be cleaned repeatedly utilizing standard public works vacuum equipment. REM recommends replacing the Bioflex media once performance has degraded as observed through a visual inspection. Although Bioflex may function as specified for several years, standard REM maintenance programs include replacing the Bioflex once per year.

K. What is the REM scope-of-work for the standard FTC O&M maintenance program?

Although REM routinely customizes maintenance programs to accommodate specific needs of the municipal customer (or to augment available resources), the standard REM maintenance program includes three site visits per year – once in the fall before the rainy season, once during the winter and once during the dry season.

Scope of work performed:

- Remove and dispose of all captured debris and material in accordance with all laws and regulations. (Materials are disposed of at a Class II facility eliminating owner liability.)**
- Vacuum and clean FTC device at each maintenance visit.**
- Inspect each FTC device for system operation.**
- Replace and recharge spent Bioflex media as necessary. If applicable, spent “hydrocarbon” media shall be manifested and recycled through a Cal EPA approved recycle facility.**
- Attach a bright yellow dated REM Service Tags to each catch basin after the service is completed.**
- The “date” corresponds to a REM Maintenance Report and Documentation.**
- Provide REM Maintenance Report after each visit documenting the specific work performed and noting trash and debris loading observations.**
- REM warrants TRITON Filters an additional Five years beyond the standard product warranty at no additional charge.**

L. Are replacement parts available to purchase?

REM TRITON BFTG Filter replacement parts are stocked at the REM warehouse located at 960B Detroit Ave, Concord, CA 94518. Parts are available within 24 to 48 hours from receipt of an order. Parts can be shipped, delivered, or be available for pick up at “will-call”. REM offers post project installation services as well.

M. What other SF Bay Area municipalities have installed REM TRITON BFTG Filters for *Full Trash Capture* (FTC) MRP requirements?

City of Dublin, City of Concord, Town of Danville, City of Pleasant Hill, City of Lafayette, City of Martinez, City of Piedmont, Town of Moraga, City of Pinole, City of Oakley, City of El Cerrito, City of Albany, City of Walnut Creek and unincorporated Contra Costa County (Pittsburg, Pacheco, & El Sobrante).

N. What other SF Bay Area municipalities utilize REM O&M services for on-going maintenance of FTC devices?

City of Dublin, Town of Danville, City of Pleasant Hill, City of Lafayette, City of Piedmont, Town of Moraga, City of Oakley, City of Albany.

O. How long has REM been in business?

REM | Revel Environmental Manufacturing, Inc. is an industry leading innovator, manufacturer, distributor, installer and O&M service provider for stormwater quality systems. In operation for more than 18 years, REM is based and headquartered in the San Francisco Bay Area and maintains a field office in Santa Ana servicing Southern California. REM directly serves customers throughout North America and distributes filter products through industry leading partner companies including CONTECH Stormwater Solutions.

P. Who is my REM Representative?

Marcel Sloane is the Project Manager. He can be reached at (925) 676-4736 (o), (925) 858-8005 (m), (925) 676-8676 (f) and/or marcel@remfilters.com.