



**Revel Environmental Manufacturing Inc.**

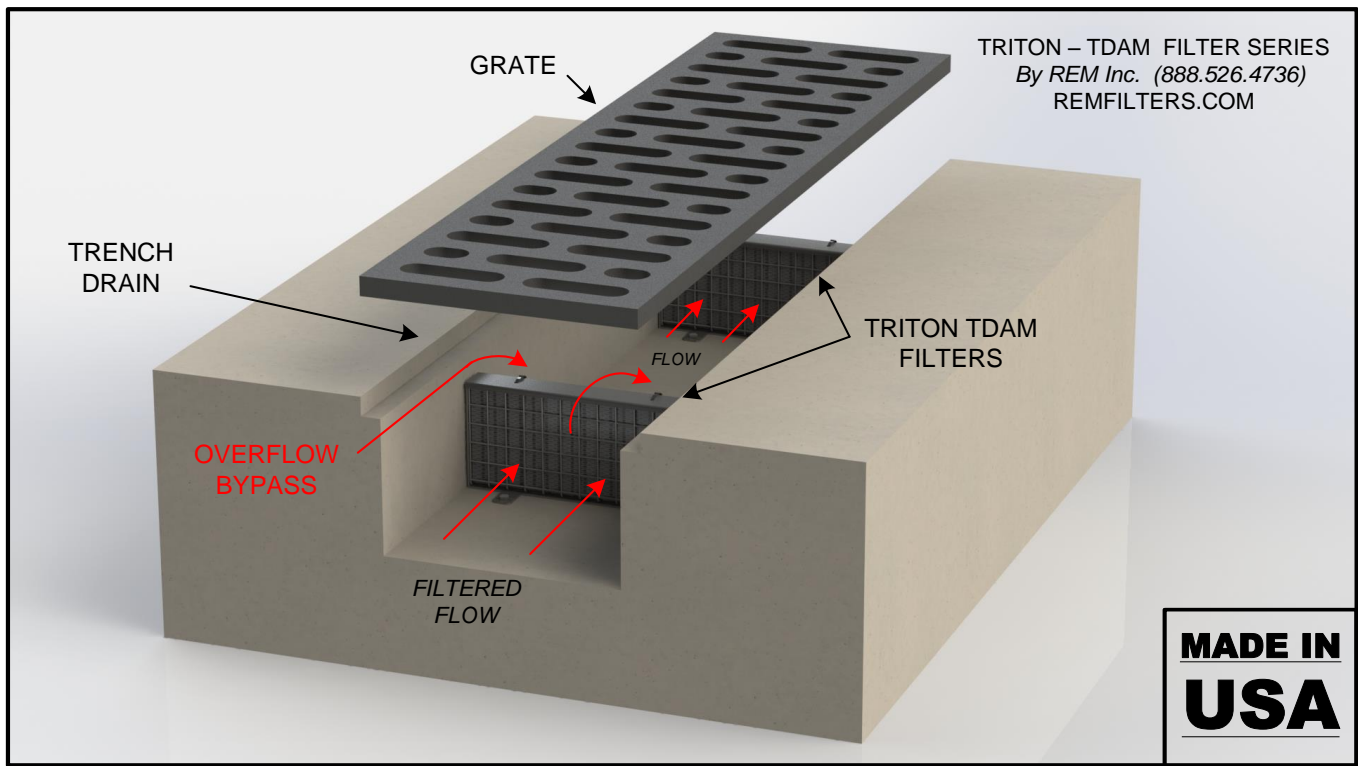
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**How does our technology work? (TRITON Trench Drain - TDAM Filter™)**

The TRITON Trench Drain - TDAM Filter™ (Patent Pending) is an effective and economical solution to help organizations and property owners meet stormwater quality requirements and regulations. Easily installed immediately below the grate in trench drains and in catch basin inlet structures, the REM TRITON TDAM filter utilizes a patented linear media cartridge system that effectively removes pollutants from stormwater.



The REM TRITON TDAM gravity fed vertical cartridge system treats flow laterally through a three dimensional media pack element resulting in reduced occlusion and increased flow over a range of rainfall intensity.

The REM TRITON TDAM linear stainless steel media cartridge is fastened in place onto the trench drain floor allowing quick and easy removal for maintenance. The cartridge houses replaceable filter media packs that treat stormwater for pollutants including liquefied petroleum hydrocarbons (Fats, Oils & Grease including animal fats) and Total Suspended Solids (TSS) such as trash, sediment, silt, vegetative debris.

Media strategy can be configured to address specific discharge concerns. For instance, a common strategy for removing metals includes blending REM FOG (a high quality hydrophobic expanded perlite), AC (activated carbon, and ZEO (zeolite) media.

**REM FOG Media Strategy**

**Removable Stainless Steel Housing**  
Filter Media-Pak is housed in a easily removable cage that is made of Type 304 stainless steel, having 12 gauge welded 1.75" X 2" square openings. This cage not only holds the different types of Media-Pak's in place, it also helps in capturing larger debris, such as litter and leaves.

**REM FOG Media**  
REM FOG is an expanded volcanic ash media treated to be highly hydrophobic. REM FOG media effectively encapsulates liquefied petroleum hydrocarbons (Fats, Oils & Grease including animal fats). The media's hydrophobic characteristic allows for greater polishing of flow resulting in the reduction of Total Suspended Solids (TSS). Suspended solid reduction includes but is not limited to debris, trash, silt, sediment, and agglomerated heavy metals.

Excellent media strategy for stand alone filtering, or used as a polishing filter in a battery series filtration system. Please call our offices for more details.

**Geotextile Media Pack Housing**  
Filter media is housed in a mono-filament weaved geotextile containment pack. The filter's vertical cartridge system requires flow to move laterally through the geotextile pack on both sides – once during ingress and again during egress – providing a two stage sieve for fine material removal. The mono-filament geotextile reduces occlusion and blinding allowing for greater treatment flow compared to flat weave fabrics.

**MADE IN USA**

REM TRITON TDAM filters offer quick and easy maintenance made available with replacement media packs.

**TRITON TDAM FILTERS (MULTIPLE STAGED FILTERING)**

TRITON – TDAM FILTER SERIES  
By REM Inc. (888.526.4736)  
REMFILTERS.COM

**FLOW**

**TRENCH DRAIN**

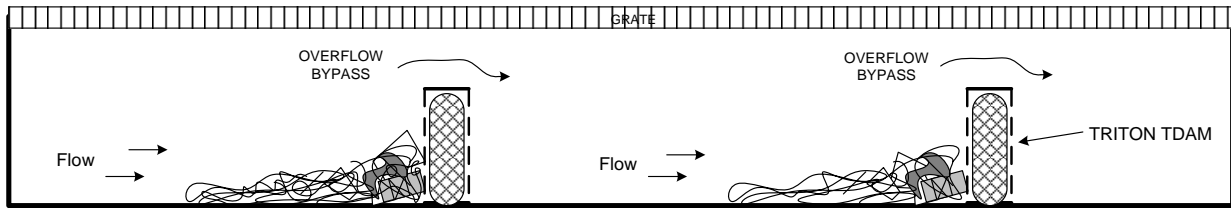
**CAPTURED TRASH & DEBRIS**

**FILTERED FLOW**

REM TRITON TDAM Filters are modular in design allowing for maximum capturing capacity in virtually any size or shape trench drain or catch basin structure. A variety of cartridge sizes are scalable to maximize filtered treatment flow rates.

REM TRITON TDAM Filters are teamed in a battery series providing multiple stages of filtration effectively polishing flow. (REM recommends installing one REM TDAM filter every 4 to 6' along the length of the trench drain.)

The TRITON TDAM Filter™ system treats large volume of runoff without impeding the hydraulic capacity of the drain. The filters are configured with an “overflow bypass” to release water during heavy rain events that exceed filter flow-through capacity.



The sides and bottom of TRITON TDAM Filters™ are buffered with neoprene gaskets to create a tight seal along the inside walls and floor of the drain negating “low flow” bypassing the filtration system.

**TDAM FILTER**

**BATTERY SERIES**

- Removable Cap
- Removable Media-Pak
- TDAM Stainless Steel Housing
- Mounting Tabs

**MADE IN USA**

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TDAM installed

TDAM with BFTG Media