



Revel Environmental Manufacturing Inc.

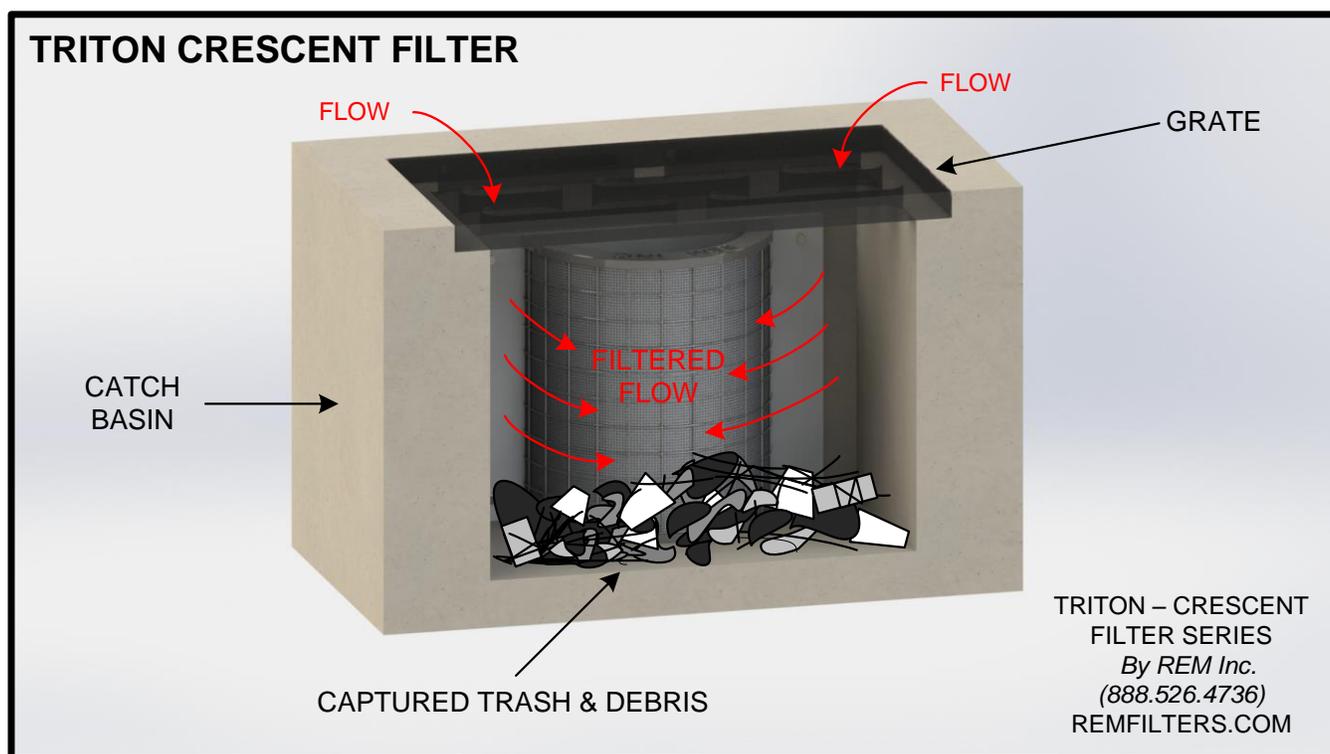
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How does our technology work? (TRITON Crescent Filters™)

The REM TRITON™ Crescent Filter is an effective and economical solution to help property owners, corporations and municipalities meet stormwater quality requirements and regulations. Easily installed and mounted on the catch basin wall below the grate in combination grate & curb inlet structures and drop inlet storm drains, the REM TRITON Crescent Filter utilizes a patented media cartridge system that effectively removes pollutants from stormwater.



The REM TRITON 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 stainless steel media cartridge houses replaceable filter media packs that treat stormwater for pollutants including liquefied petroleum hydrocarbons (Fats, Oils & Grease including animal fats) and Total Suspend 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.

TOP VIEW

SIDE VIEW CUT-AWAY

Labels: FLOW, FLOW, STAINLESS STEEL CARTRIDGE, FLOW

REM TRITON FOG – BFTG Cartridge Media Strategy

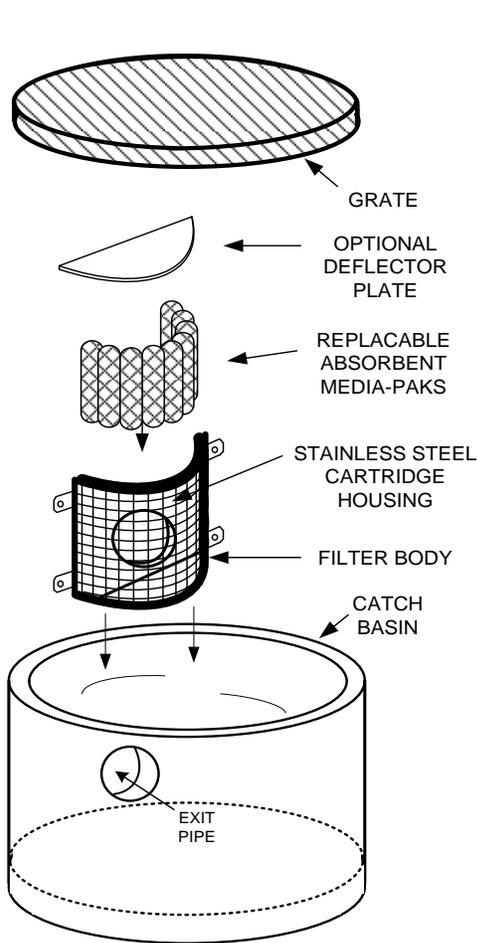
Bioflex (BFTG)
 The filter cartridge houses Bioflex, a three dimensional weaved natural fiber media. Bioflex is designed to capture debris, trash and sediment while sustaining very high treatment rates. Mesh density of 3.5 ounces per square foot minimizes occlusion and blinding while filtering at high volumes. The exterior edge of the Bioflex is fitted with a netted polyester fiber that is designed to capture 100% of trash and debris at 5mm or greater in size.

REM FOG Media
 REM FOG is a 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.

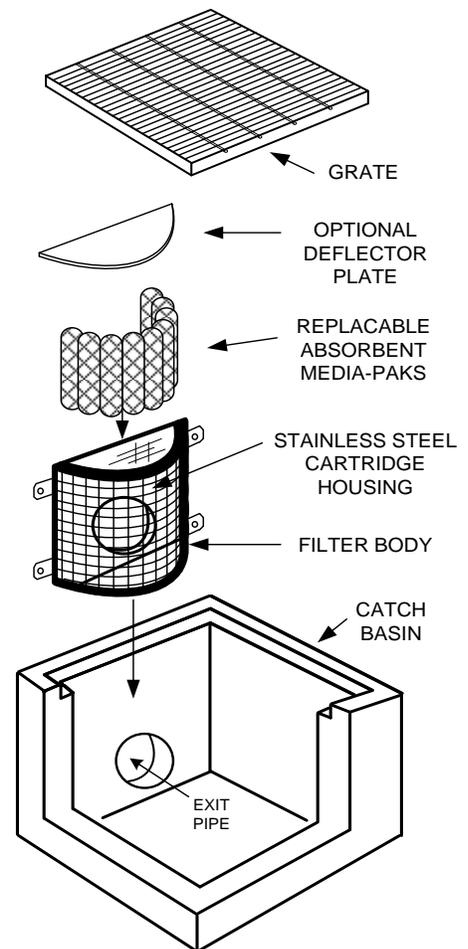
Geotextile Media Pack Housing
 Filter media is housed in a mono-filament weaved geotextile containment pack. The filter's vertical cartridge system requires flow to move laterally through the geotextile pack on both sides – once during ingress and again during egress – providing a two stage sieve for 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 filters offer quick and easy maintenance made available with replacement media packs

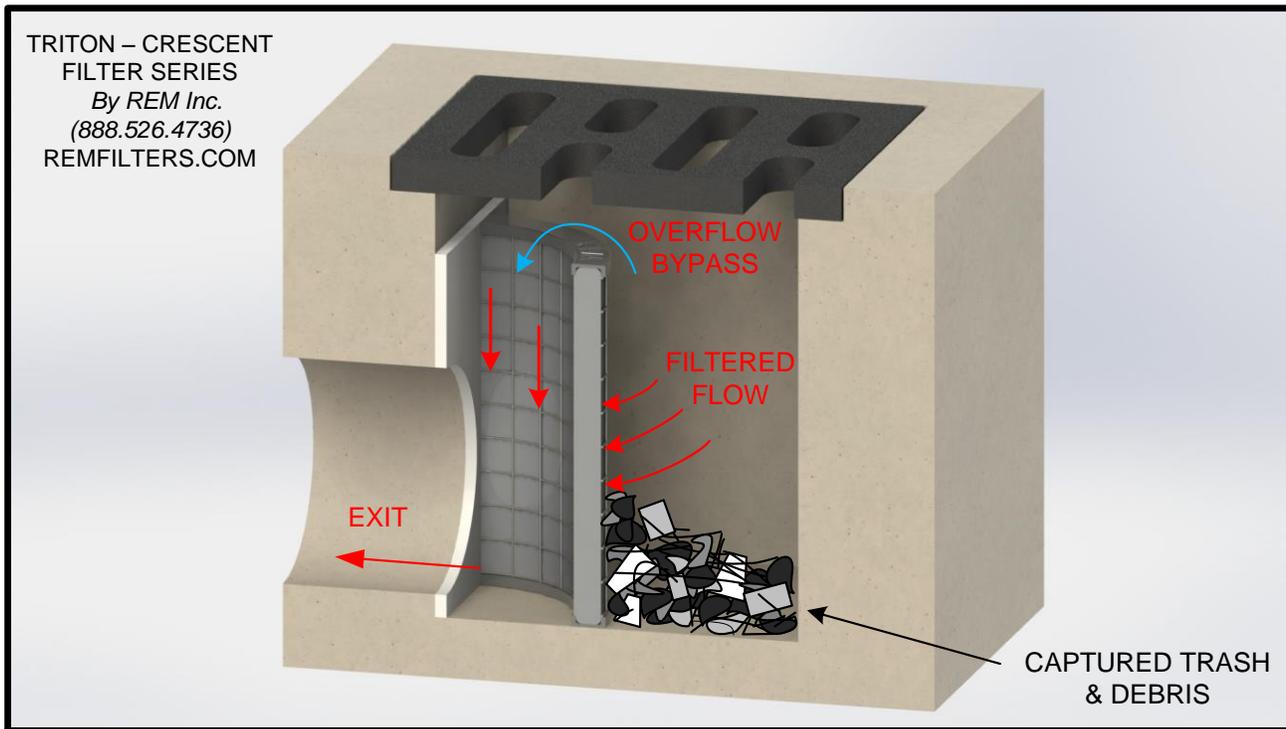


REM TRITON CRESCENT FILTER SERIES
 (Shown installed in a standard round Inlet)

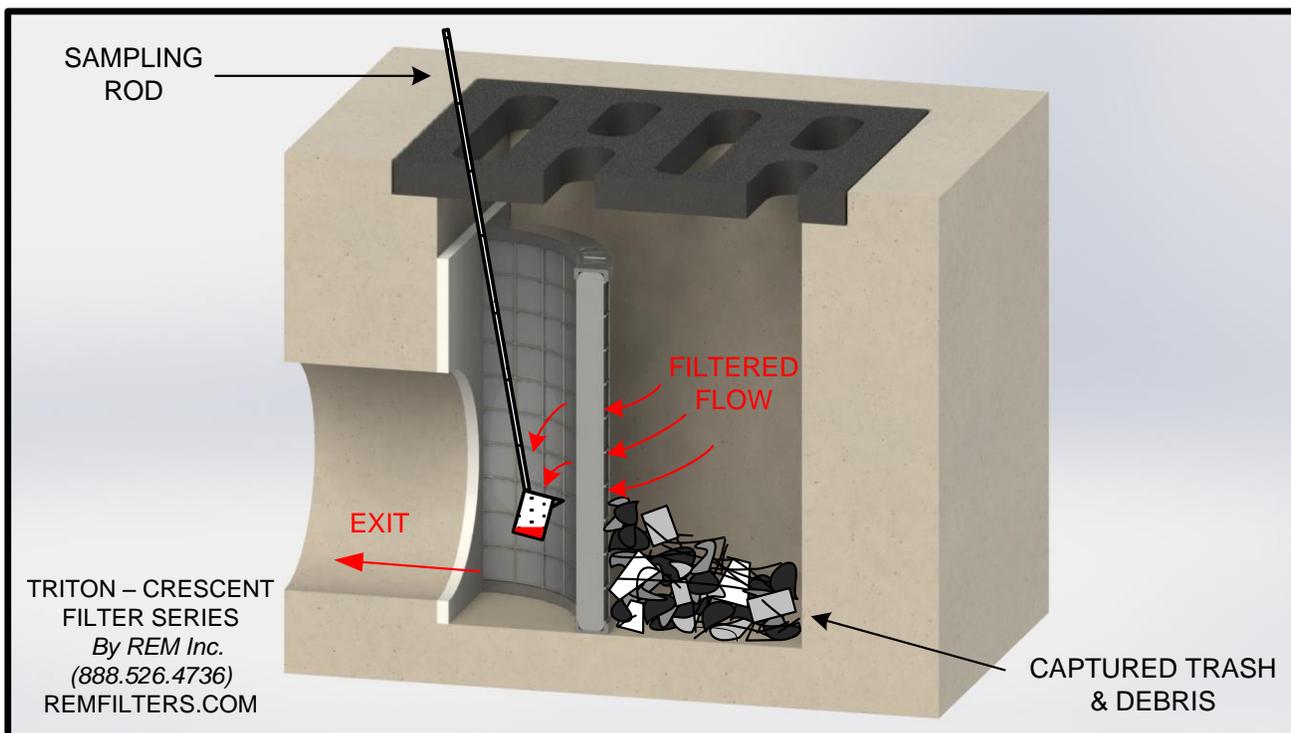


REM TRITON CRESCENT FILTER SERIES
 (Shown installed in a standard square Inlet)

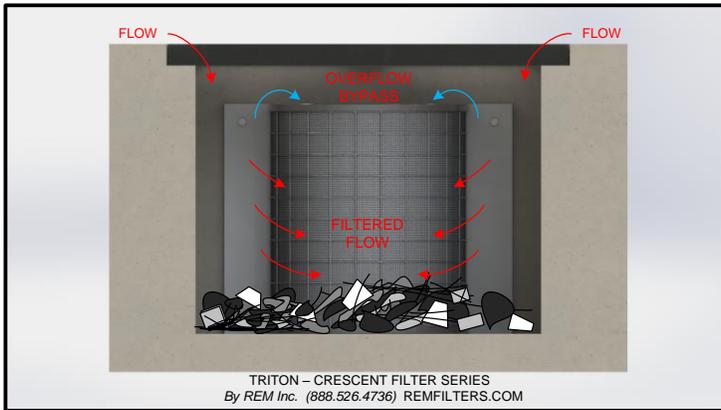
The REM TRITON Crescent Filters are modular in design allowing for maximum capturing capacity in virtually any storm drain structure or type including drop inlet, curb inlet and combination grate and curb inlet catch basins. A variety of cartridge sizes are scalable to maximize filtered treatment flow rates.



REM TRITON Crescent Filters are engineered with an overflow bypass eliminating backup or pooling during high intensity rain events that exceed the treatment volume and capacity of the filter.



The REM TRITON Crescent Filter allows for easy water sampling. The unique design provides access below the filter through the overflow bypass. Operators can capture filtered and treated stormwater for analysis.



Front View



Crescent Filter installed in a round manhole



Trash Capture capabilities



Standard installation



Crescent Filter installed in a junction box



Crescent Filter installed in a fuel containment area