



*Stormdrain*  
SOLUTIONS

333 Beaumont Road

Devon, PA 19333

Tel: 1-877-OUR-PIPE

[WWW.STORMDRAINS.COM](http://WWW.STORMDRAINS.COM)

**The PolyDak Filter:** The keystone to the Inceptor technology is the PolyDak filter. The PolyDak™ filter is superior for capturing oils, grease, Total Suspended Solids (TSS) and particulate heavy metals found in stormwater runoff. The filter is manufactured from two different medias, which together enable the filter to have untouchable performance levels.

The internal media is very oleophilic as well as very hydrophobic, which is paramount for the treatment of stormwater. This media is a uniquely interlaced synthetic fiber that is composed from only carbon and hydrogen. The internal component fiber is non-toxic and is inert to acids and alkalis. One pound of the internal material, which is typically found in a standard PolyDak filter, can capture and coalesce twenty-five pounds of oil. The unique interlacing construction of the PolyDak filter results in a density of 2 pounds per cubic foot, which allows for a myriad of open spaces to entrap and retain suspended oils and solids. Size limits that the PolyDak filter can capture as determined at DuPont, using the smallest screen at the time that represented the threshold of "breathability" (sieve #325) the PolyDak filter captured particles larger than **0.044 mm or 0.0017 inch**.

The external media is a very porous fiber that is effective for capturing silt, sediment and total suspended solids. The PolyDak filter will not visibly impede the hydrology of the storm drain catch basin, nor will it leach oils and grease when water is reintroduced. The flow rate capacity of our PolyDak filter will typically exceed the flow rate of the storm drain catch basin discharge pipe.

The Inceptor's design to shed debris, yet capture the contaminants of concern, has revolutionized stormwater treatment; for the Inceptor only requires biannual PolyDak filter replacement under normal rainfall conditions.