

Peak Diversion StormFilter

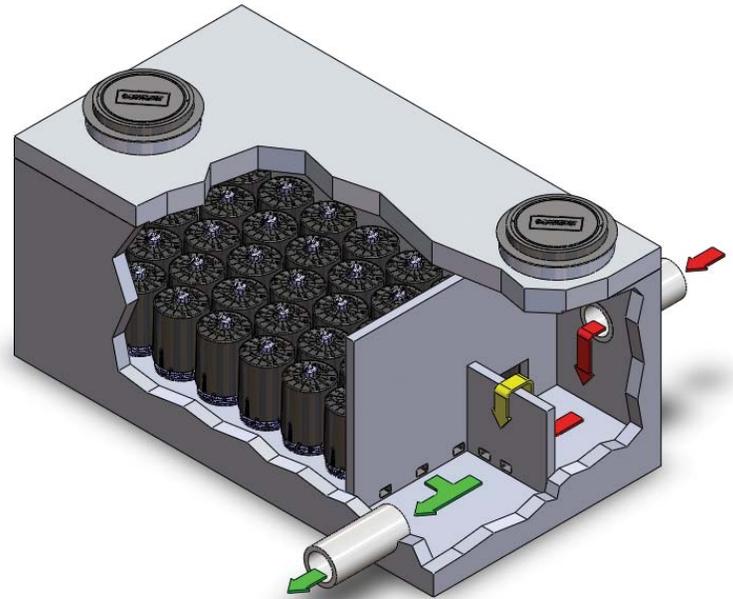
Effective stormwater treatment and off-line bypass in one structure

Stormwater treatment BMPs must be designed to convey both the water quality flow, as well as the peak flow generated from a specified drainage area. Design engineers and jurisdictions may prefer to bypass these infrequent, high flows around the treatment BMP, which eliminates the possibility of washing out captured pollutants. Commonly referred to as offline bypass, typically an upstream diversion structure, additional conveyance pipe, and a downstream junction are required. This can add significant material and installation cost to the stormwater treatment system.

With the peak diversion configuration of the **Stormwater Management StormFilter**[®], you have another option to incorporate the proven StormFilter technology with an off-line bypass in ONE treatment BMP. Similar StormFilter configurations (Curb Inlet, Linear Grate Inlet, and Catch Basin) have been used on sites to provide treatment and bypass in one system. The **Peak Diversion StormFilter** offers this functionality in an end-of-pipe solution. Additional structures and their associated cost are not required.

Key Benefits:

- Combines off-line bypass and the proven StormFilter pollutant removal capabilities into one structure
- Eliminates material and installation cost of additional structures to bypass peak flows
- Reduces the overall footprint of the treatment system, avoiding utility and right-of-way conflicts
- Internal weir allows high peak flows with low hydraulic head losses
- Up to 36" core openings accommodate large inlet and outlet pipes for high flow applications



A best management practice (BMP) designed to meet stringent regulatory requirements; the **Stormwater Management StormFilter** removes the most challenging target pollutants – including fine solids, soluble heavy metals, oil, and total nutrients – using a variety of sustainable media. Its patented,

surface-cleaning system prevents surface blinding, which extends the cartridge life cycle. The StormFilter's proven field-tested performance has led to hundreds of stand-alone approvals by regulatory agencies nationwide, including the first proprietary BMP to receive Final Certification from the New Jersey Department of Environmental Protection as a standalone stormwater treatment system.