



STORM WATER

MEDIA Filtration



Cartridge Filtration Proven to Reduce Pollutant Loading in Runoff from Urban Developments

Flexible Configurations

Available in vaults, manholes and catch basins with variable inlet/outlet locations.

Superior Flow Rates

High-efficiency treatment in a compact footprint.

Field & Laboratory Tested

Removal of Total Suspended Solids (TSS) and phosphorus.

Internal High-Flow Bypass

Integrated bypass system reduces construction costs by eliminating the need for a separate bypass structure.

Integral Pre-Treatment

Pre-treatment chamber prolongs media lifespan by removing gross pollutants.

Modular Cartridge Construction

Simple design provides for efficient media replacement and cartridge handling.

Washington State Department of Ecology

- TAPE/GULD for basic treatment (TSS) and phosphorus treatment

New Jersey Department of Environmental Protection

- NJCAT certified 80% TSS removal rate

Maryland Department of the Environment

- Approved structural practice for 80% TSS removal

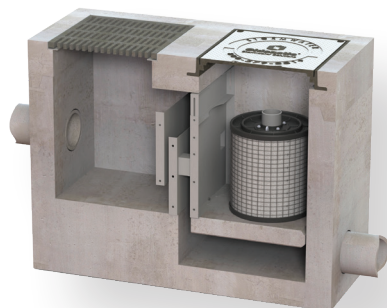
Virginia Department of Environmental Quality

- BMP clearinghouse 50% credit for phosphorus reduction

Impervious surfaces and other urban and suburban landscapes generate a variety of contaminants that can enter stormwater, polluting downstream receiving waters. The PerkFilter is a stormwater treatment device that utilizes a wide variety of proprietary media to treat specific pollutants of concern.

MEDIA FILTRATION

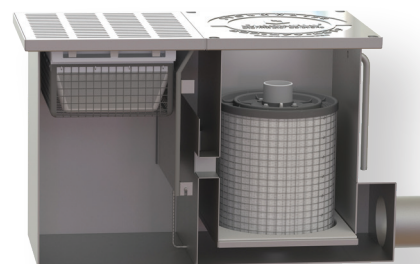
Captures and Retains Target Pollutants, Reducing the Total Downstream Discharge Load



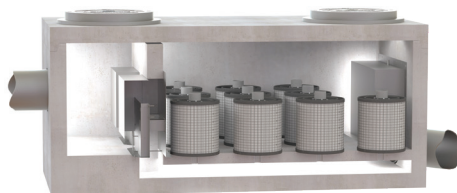
Concrete Catch Basin



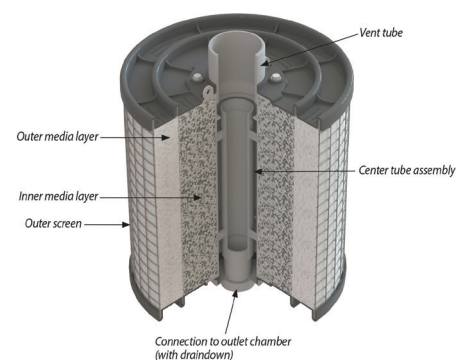
Manhole Configuration



Steel Catch Basin



Vault Configuration



STANDARD CARTRIDGE CAPACITIES		
Cartridge Height Inches	Treatment Capacity (gpm) at Media Surface Loading Rate of:	
	1.5 gpm/ft ² **	2.5 gpm/ft ² **
12	6.8	12
18	10.2	18
*24	13.6	24
*30	17	30

*Standard cartridge heights are 12 & 18 inches.

24 & 30 inch cartridge use modular stacks.

**Depending on regulatory sizing.

APPLICATIONS

Typical installation locations include:

- Drop inlets or vaults in commercial or residential developments
- Industrial applications
- Pre- or post-treatment for retention/detention systems

PERFORMANCE

Field-tested removal efficiencies of:

- Total Suspended Solids > 80%
- Total Phosphorus > 60%

