

PerkFilter®

Modular stormwater filtration system.
Efficient, versatile and reliable.

Product Summary

PerkFilter® is the premier cartridge filtration treatment system designed to remove a variety of pollutants from stormwater runoff in urban and suburban environments; reducing the total downstream discharge load and improving the quality of water. Utilising a proprietary media configuration, PerkFilter® effectively removes pollutants of concern through sedimentation, filtration, and absorption; significantly reducing downstream contamination. This system offers flexible configurations, easy maintenance, and a compact footprint; making it ideal for diverse applications.

Performance

Extensively field and lab tested, PerkFilter® achieves over 80% removal of Total Suspended Solids (TSS), more than 60% removal of Total Phosphorus and more than 50% removal of Nitrogen. Also removes hydrocarbons, trash and debris from stormwater runoff. As a trusted stormwater management solution, PerkFilter® enhances water quality and protects lakes, rivers and oceans.

Benefits

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 before filtration.

Modular Cartridge Construction

PerkFilter® is offered in (4) heights, 300, 450, 600 and 760mm to optimize system sizing and head loss requirements.

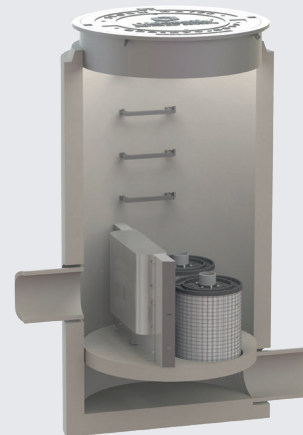
Ease of Maintenance

Simple design provides for efficient media replacement and cartridge handling.

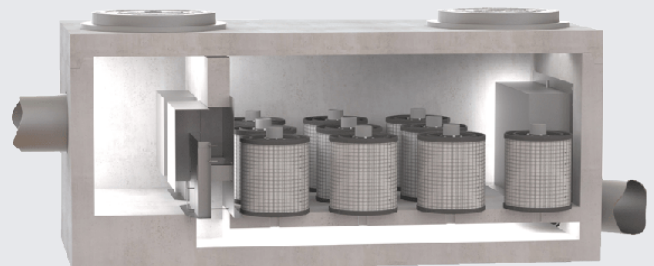


Configurations

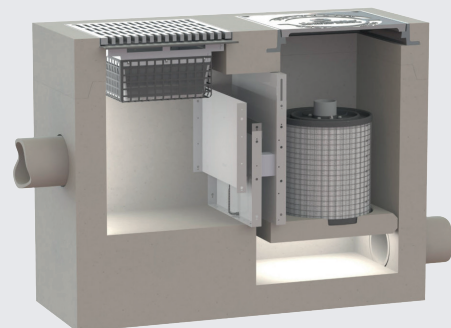
Media Filtration Manhole



Media Filtration Vault and OSD Tanks



Media Filtration Catch Basin



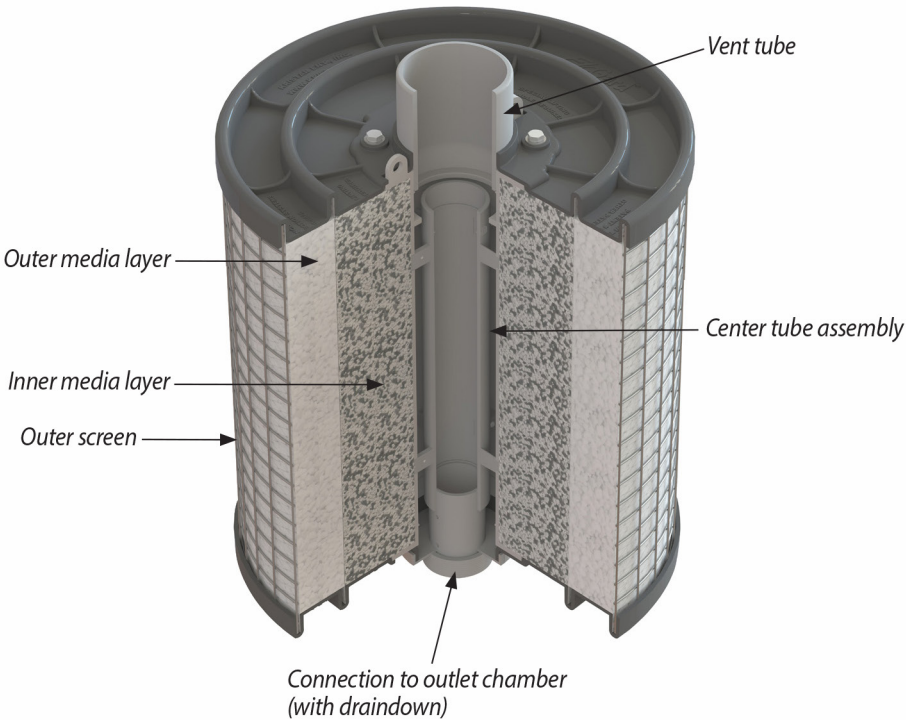
Find out about how the PerkFilter® can help you meet your planning and stormwater requirements

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Applications

PerkFilter® stands out due its flexibility. It can be configured in:

- » Catch Basins
- » Drop Inlets
- » Manholes
- » Vaults
- » OSD Tanks
- » Panel Vaults



Standard Cartridge Capacities	
Cartridge Height Milimetres	Treatment Capacity (L/s)
300	1.1
450	1.1
600	1.5
760	1.9

Global Third Party Product Verification

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. Online or offline application.

Maryland Department of the Environment

Approved structural practice for 80% TSS removal.

Virginia Department of Environmental Quality

BMP clearinghouse 50% credit for phosphorus reduction.



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PerkFilter® is a registered trade mark of CRH Group Services Limited.



Find out more about how our PerkFilter® can help meet your planning and stormwater requirements.