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.

**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.

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

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%

STANDARD CARTRIDGE CAPACITIES

<table>
<thead>
<tr>
<th>Cartridge Height Inches</th>
<th>Treatment Capacity (gpm) at Media Surface Loading Rate of:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1.5 gpm/ft^2***</td>
</tr>
<tr>
<td>12</td>
<td>6.8</td>
</tr>
<tr>
<td>18</td>
<td>10.2</td>
</tr>
<tr>
<td>*24</td>
<td>13.6</td>
</tr>
<tr>
<td>*30</td>
<td>17</td>
</tr>
</tbody>
</table>

*Standard cartridge heights are 12 & 18 inches. 24 & 30 inch cartridge use modular stacks. **Depending on regulatory sizing.

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