PERKFILTER™
Catch Basins

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

The PerkFilter catch basin is easy to incorporate into your design with numerous inlet/outlet pipe configurations. System can receive inlet pipes into treatment chamber from three sides. And unlike competitive designs, it can also incorporate inlet pipes for not-to-be-treated-water from any direction.

OLDCASTLE INFRASTRUCTURE
- Over three times the inlet and outlet pipe configurations versus the competition
- Outlets can be positioned on any wall, unlike competitive designs
- Both steel and concrete vault constructions available, with one to four cartridges each
- Raised false floor can accommodate pass through piping

THE COMPETITION
- Fewer pipe layout and material options
- Outsourced manufacturing
Captures and Retains Total Suspended Solids, Phosphorus, Petroleum Hydrocarbons, Metals and Other Target Constituents Close to the Source, Reducing the Total Downstream Discharge Load

CONCRETE ADVANTAGES
- Corrosion-resistant construction
- Site-adjustable lid capability
- Accommodates heavier loads without reinforced concrete collar
- Structurally better suited for applications deeper than 5’
- Extended service life at similar cost

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: 1.5 gpm/ft²</th>
<th>2.5 gpm/ft²</th>
</tr>
</thead>
<tbody>
<tr>
<td>12</td>
<td>6.8</td>
<td>12</td>
</tr>
<tr>
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<td>*24</td>
<td>13.6</td>
<td>24</td>
</tr>
<tr>
<td>*30</td>
<td>17</td>
<td>30</td>
</tr>
</tbody>
</table>

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

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

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