

MaxFilter™

Compact System

Integrated Treatment

Proven Technologies



Deep Infiltration, Compact System

MaxFilter™ is an integrated stormwater system that combines collection, treatment, and deep infiltration without the need for separate upstream treatment. This reduces project complexity and costs, offering better value for money.

MaxFilter: Runoff Reduction, Pollution Capture, and Groundwater Recharge With No Need for Upstream Treatment

MaxFilter is a compact, integrated system designed to manage stormwater on-site by combining collection, treatment, and deep infiltration in a single solution. Unlike traditional methods that require separate upstream treatment, MaxFilter delivers pollutant removal while reducing project complexity and cost. It effectively reduces runoff, captures pollution, and recharges groundwater, all in line with low-impact development (LID) principles.

Achieve LID Objectives

In urban environments, impervious surfaces prevent stormwater from naturally infiltrating into the ground. MaxFilter addresses this challenge by efficiently managing stormwater on site, sustainably reducing runoff, preventing downstream pollution, and replenishing groundwater. This system is designed to meet LID objectives, ensuring a greener and more sustainable built environment.

Infiltrate Cartridge-Treated Stormwater

MaxFilter combines deep infiltration with proven filtration technology verified by NJCAT, certified by NJDEP and approved by TAPE. This allows engineers to indirectly recharge groundwater with integrated advanced pretreatment. It also meets Arizona's stringent monsoon flash flooding regulations, achieving significant runoff reduction and flood mitigation goals. Key performance benefits include 80% Total Suspended Solids (TSS) removal and 50% phosphorus removal.

Proven Innovation

MaxFilter integrates PerkFilter® filtration cartridges with MaxWell® deep infiltration technology, offering an innovative solution backed by decades of proven success in the field. With design assistance and installation taken care of by our experienced design-build team, this ensures highly effective stormwater management that reduces costs and simplifies project execution, all while delivering superior results.

In summary, MaxFilter is the smart, cost-effective solution for engineers looking to manage stormwater, minimize groundwater contamination risks, and meet regulatory requirements efficiently.

Technical Information

Drywell shaft diameter: 4 ft

Maximum Drywell Depth: 120 ft

**Peak Treatment Capacity: 61.2 gpm
or 0.136 cfs**

TSS removal rate: 80%

Phosphorus removal rate: 50%

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