



Rainwater Harvesting System

CAPTURE > FILTER > REUSE



Sustainable Water Management Solutions



Would you rather have this or **This!**



Traditional methods of rainwater harvesting do not add beauty or value to your home or office setting.

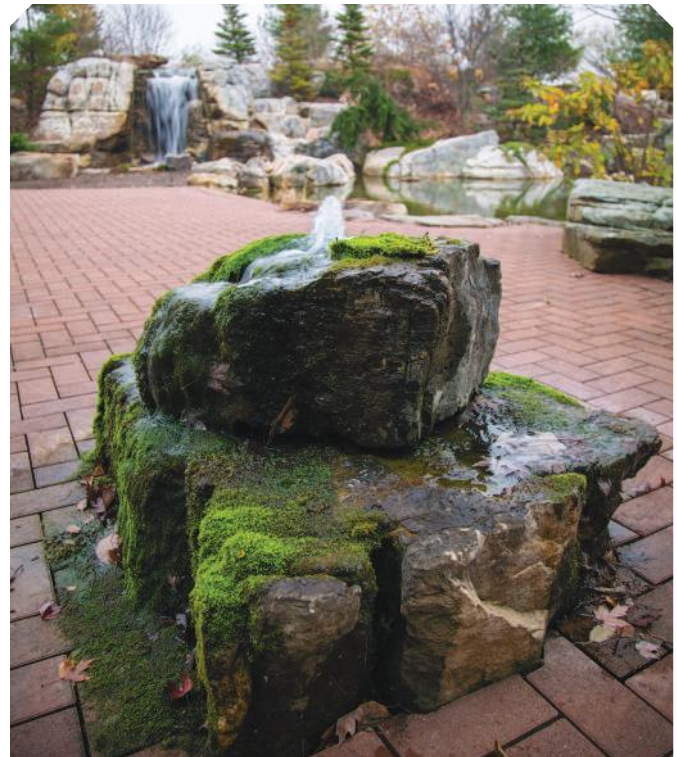


The Aquascape Rainwater Harvesting System provides the beauty of a water feature with a revolutionary system for capturing and reusing our most precious resource, water.

The Aquascape *Rainwater* Harvesting System is Revolutionary!

The Rainwater Harvesting System is a revolutionary design that combines an Aquascape decorative water feature with a sub-surface rainwater harvesting storage system.

- **Clean, Filtered Water Storage** – While you enjoy the benefits of a decorative water feature, the Rainwater Harvesting System filters the stored water, providing access to clean, clear, usable water.
- The Rainwater Harvesting System reveals only a **beautiful water feature** that integrates seamlessly into existing landscapes and permeable paver systems.
- Locating and **storing water underground** maintains the integrity and beauty of your home and landscape.



• Water Feature Lifestyle

Water features improve property values while providing soothing sights and sounds that help you relax and de-stress in today's busy world.



• Wildlife Habitat

A small portion of the stored water is brought to the surface for aeration and allows the water to become available for wildlife interaction.



• Environmental Conservation

Captured, filtered rainwater can be accessed at any time for irrigating surrounding landscape and garden beds.



WHY HARVEST *Rainwater?*

The Aquascape Rainwater Harvesting System (formerly known as RainXchange®) is a sustainable solution for water conservation and stormwater management

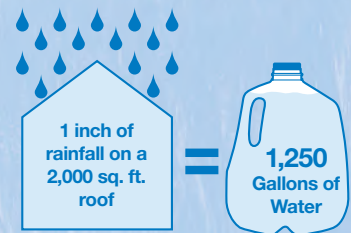
Water Conservation

- According to the World Wildlife Fund, 1.1 billion people worldwide lack access to water and by 2025, two-thirds of the world's population may face water shortages.*
- Capturing and reusing rainwater reduces the community's demand on the municipal water supply, reduces the owner's water bills, and helps avoid strict water schedules.

Stormwater Management

- According to the EPA, stormwater run-off is one of the main reasons that our lakes, rivers, and estuaries are not clean enough for fishing or swimming.
- Rainwater harvesting is a solution for managing stormwater run-off and decreasing flooding.
- Federal, state, and local regulations are requiring stormwater to be managed at the source. The Rainwater Harvesting System provides a solution to help meet these governmental regulations.

DID YOU KNOW?



- In a region receiving 30 inches of annual rainfall, a 2,000 sq. ft. roof will generate 37,500 gallons of reusable water.
- Capturing this water reduces run-off and flooding while providing a significant amount of water for reuse.
- The Rainwater Harvesting System allows you to collect thousands of gallons of water anywhere, even in the desert!

**Water Scarcity.* WorldWildlife.org. World Wildlife Fund, n.d. Web. 10 Nov. 2016.

The Rainwater Harvesting System can be used in a variety of ways.



Water your lawn and flowerbeds



Manage stormwater and decrease flooding



Top off swimming pools, and hot tubs



Wash your car, patio, or deck



Enjoy a decorative water feature



The Aquascape Rainwater Harvesting System is a sustainable stormwater management solution for both commercial and residential applications. The modular design of the Rainwater Harvesting System provides the flexibility to construct a rainwater collection system based on your application's requirements. The unique integration of a water feature provides filtration as well as enhances the overall landscape design.



HIGH PRESSURE PUMP

- The Booster Pump is connected to the system to provide easy access to the stored water.



PERMEABLE PAVERS

- The Rainwater Harvesting System can be used underneath permeable pavers as a means of capturing stormwater.
- A liner membrane beneath the permeable pavers collects the water and directs it towards the storage basin.
- Water features can be incorporated directly on top of the permeable pavers, providing a truly unique design element.



IRRIGATION SYSTEM

- The Rainwater Harvesting System can be used for simple hand-watering or combined with a professional irrigation system.



OVERFLOW MANAGEMENT

- Excess stormwater can be managed through infiltration, rain gardens, surface run-off, or local stormwater systems.



RECIRCULATING FILTER SYSTEM

- Pondless® Waterfall Vault and Pondless Waterfall Vault Extensions optimize water utilization and recirculation within the system.
- The removable cap provides a convenient access point for inspection and maintenance.
- An energy efficient submersible pump recirculates the water.
- Beneficial bacteria and enzymes throughout the system reduce organic wastes and pollutants to less toxic substances that can be absorbed by plants, creating a perfect cycle of nutrient reuse.



AQUABLOX® WATER STORAGE MODULES

- AquaBlox® Water Storage Modules create the structure of the storage basin.
- Durable EPDM waterproof liner surrounds the AquaBlox creating a water-tight storage basin.
- The modular design of the AquaBlox allow the storage basin to be configured to fit a wide variety of applications.
- AquaBlox are assembled on-site, making shipping and handling extremely efficient.



DOWNSPOUT FILTER

- Captures and removes pollutants and debris flushed into the system during a rain event.
- Coarse filter screen removes leaves, twigs, and seeds.
- Smaller suspended particles are captured in a fine mesh net which can easily be removed for cleaning.
- Multiple Downspout Filters can be utilized to capture more water.



LEED CREDITS

FOR THE AQUASCAPE RAINWATER HARVESTING SYSTEM



Did you know that you can earn LEED credits when you use the Aquascape Rainwater Harvesting System on your next green building project?

LEED for New Construction v2.2
Registered Project Checklist

Project Name: _____
Project Address: _____

Yes 7 No

Project Total (Pre-Construction) Credits: _____ / 110 Points

Category 20-22 points: Silver 21-23 points: Gold 24-26 points: Platinum 27-30 points

Sustainable Sites 14 Points

Prerequisite 1: Construction Activity Pollution Prevention Required

Credit 1: Site Selection 1

Credit 2: Disturbance Control & Community Connectivity 1

Credit 3: Stormwater Management 1

Credit 4.1: Alternative Transportation: Public Transportation 1

Credit 4.2: Alternative Transportation: Low-Speed & Shared Mobility 1

Credit 4.3: Alternative Transportation: Bicycles & Walking 1

Credit 4.4: Alternative Transportation: Parking Capacity 1

Credit 5.1: Site Development: Minimize Open Space 1

Credit 5.2: Site Development: Minimize Impervious Surface 1

Credit 6.1: Stormwater Design: Quantity Control 1

Credit 6.2: Stormwater Design: Quality Control 1

Credit 7.1: Heat Island Effect: Non-Roof 1

Credit 7.2: Heat Island Effect: Roof 1

Credit 8: Light Pollution Reduction 1

Water Efficiency 5 Points

Credit 1.1: Water Efficient Landscaping: Reduce by 50% 1

Credit 1.2: Water Efficient Landscaping: No Irrigable Area in Non-Irrigation 1

Credit 2: Innovative Wateruse Technologies 1

Credit 3.1: Water Use Reduction: 20% Reduction 1

Credit 3.2: Water Use Reduction: 30% Reduction 1

Adobe LiveCycle

LEED, or Leadership in Energy and Environmental Design, is a certification program that recognizes best-in-class green building strategies and practices. LEED is the international standard of excellence in green building. Certified buildings provide numerous benefits such as reducing daily operational costs, maintaining value, and using natural resources efficiently.

The Aquascape Rainwater Harvesting System provides LEED credits in multiple categories including Sustainable Sites, Water Efficiency, Materials and Resources, and Innovation. For more information regarding LEED credits, contact the Aquascape Tech Department at (877) 766-3489 or by email at tech@aquascapeinc.com.

For more information on the Aquascape Rainwater Harvesting System,

VISIT

aquascapeinc.com/why-rainwater-harvesting