



Rainwater Harvest Storage Systems

SMALL SYSTEMS

Cottage Garden Series

Efficient pumping system and water-holding capacities of 500 and 1000 gallons. Use with a variety of decorative fountainscapes and Pondless® Waterfalls with streams up to 20' long. Basin size is 7' x 8'.

MEDIUM SYSTEMS

Urban Oasis Series

Medium-duty pumps with high outputs and water-holding capacities of 1,500 and 2,000 gallons. Use with decorative fountainscapes and Pondless® Waterfalls with streams up to 60' long. Basin size is 9' x 10' and 10' x 12'.

LARGE SYSTEMS

Green Estate Series

Multiple pumping systems and water-holding capacities of 2,500 and 3,000 gallons. Use with decorative fountainscapes and Pondless® Waterfalls with streams up to 100' long. Basin size is 10' x 11' and 11' x 12'.

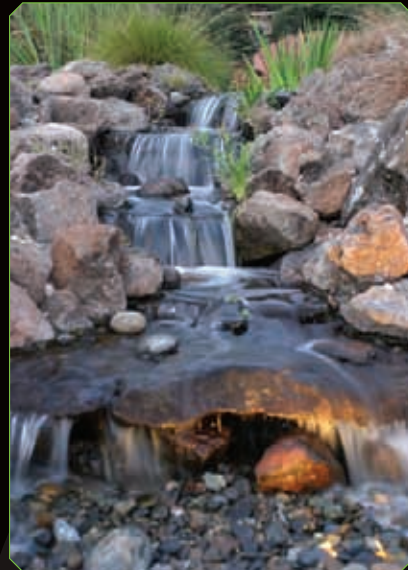
Each series can be created with either a Pondless® Waterfall or Decorative Fountainscape.



> DECORATIVE FOUNTAINSCAPE



> DECORATIVE FOUNTAINSCAPE



> PONDLESS® WATERFALL

CAPTURE > FILTER > REUSE

RAINWATER RUN-OFF WITH AQUASCAPE'S NEW

Rainwater Harvest Storage Systems



APPROXIMATELY 80% OF RAINWATER RUNS INTO STORM SEWERS VERSUS SOAKING INTO THE GROUND. BY CAPTURING RAINWATER BEFORE IT ENTERS THE SEWER SYSTEM, IT CAN BE FILTERED, STORED AND ACCESSED FOR FUTURE USE ON BOTH RESIDENTIAL AND COMMERCIAL PROPERTIES.



Utilizing rainwater for gardens and lawns reduces the strain on municipal systems. What's more, the stored rainwater can alleviate water shortages during periods of drought. The rainwater harvest storage system helps alleviate flooding that typically occurs when heavy rains follow a drought. Aquascape's Rainwater Harvest Storage Systems are designed to supplement Aquascape's Pondless® Waterfall, or decorative fountainscape products.



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Rainwater harvesting with Aquascape's Rainwater Harvest Storage Systems

1 RAIN FILTER

Will capture and remove a variety of pollutants that may be flushed into the system during a rain event. The incoming water passes through a coarse filtration screen that removes leaves, twigs, and seeds. The water then enters the main chamber where smaller suspended particles are captured in a fine mesh which can easily be removed for cleaning. Approximately 15 gallons of the initial flush of highly polluted water is held in the lower portion of the rain filter allowing it to slowly seep out of specially designed holes over a 24 to 36 hour period. After the initial flush, the cleaner water will travel to the modular storage basin to be filtered further.

3 MODULAR STORAGE BASIN

The main storage basin's modular design can be configured to fit a wide variety of applications and settings. The storage basin is comprised of a series of modular plastic tanks that are assembled on-site. The tanks are then encased within an EPDM rubber membrane creating a water-tight basin.

2 CONNECTING PIPE

The rain filter is fitted with a 4" corrugated drain pipe adapter that carries the water via gravity to the main storage chamber.

9 AQUATIC PLANTS

Aquatic plants are an important ornamental detail of a well-designed water feature, while at the same time providing food and shelter for a great number of birds, insects and amphibians. In fact, these marginal aquatic zones are the most productive ecosystems on the planet and are the cornerstone for maintaining our biodiversity.

10 IRRIGATION SYSTEM

Using the stored water from within the Rainwater Harvest Storage Systems is not only beneficial from a financial standpoint, it's actually better for your plants. This natural water is loaded with micronutrients and compounds that will make your plants flourish. A healthy garden consumes more greenhouse gases and properly irrigated soils allow for greater water infiltration and better overall soil profiles.

8 BIOLOGICAL FILTER

Aquascape's BioFalls® Filter unit is the quintessential up-flow biological filtration unit. As the water flows up through the layers of filter media, beneficial bacteria and enzymes will reduce organic wastes and pollutants to less toxic substances that can be absorbed by plants, thereby creating a perfect cycle of nutrient re-use.

6 FLEXIBLE PVC

50- and 100-foot lengths along with the flexible nature of this pipe allows for an easy installation with minimal head pressures, which equates to overall efficiency.

4 SNORKEL™ VAULT & CENTIPEDE™ MODULE

Allows access to the pumps and plumbing assemblies. The efficient design allows for optimum water utilization within the system and a convenient access point for yearly maintenance and cleaning.

5 HIGH EFFICIENCY PUMPS

Re-circulation is critical for the overall health and quality of water within the bank. Submersible pumps carry out this function 24 hours a day, insuring optimum results. The same pumps can be utilized for the delivery of water to your landscape, a booster pump may be needed to achieve the desired pressure.

7 OVERFLOW INFILTRATION

In the event of excessive rainfalls, the extra water is sent to an infiltration area through a 2-inch restrictor. The key is allowing adequate time and a high ground to water surface ratio. This facilitates the infiltration of water into deeper soils and aquifers.