

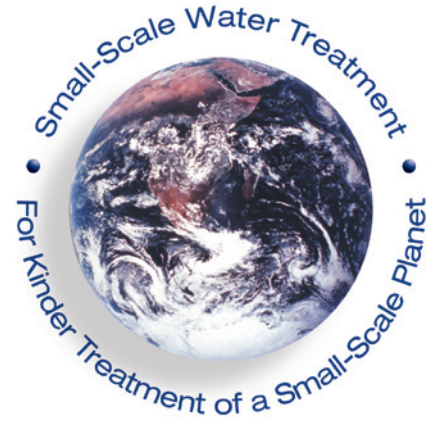
Orenco's Rainwater Collection Equipment



Orenco Systems is owned and managed by engineers who develop water and wastewater systems that work — systems based on sound science. From left to right: Eric Ball, P.E., Jeff Ball, P.E., Hal Ball, P.E., (front) Terry Bounds, P.E.

Carefully Engineered by Orenco

Orenco Systems has been researching, designing, manufacturing, and selling environmentally-sustainable products for small-scale water and wastewater systems since 1981. The company has grown to become an industry leader, with 200 employees and 100 distributors and dealers representing most of the United States, Canada, Australia, New Zealand, and parts of Europe. Our systems have been installed all over the world, on some of the world's most environmentally sensitive sites, and showcased in many sustainable building projects.



Orenco's 23-acre headquarters is located in Oregon — a state known for its environmentally sustainable practices.

Orenco maintains an environmental lab and employs dozens of engineers, scientists, and operators. Orenco's systems are based on sound scientific principles of chemistry, biology, mechanical structure, and hydraulics. As a result, our research appears in numerous publications and our engineers are regularly asked to give workshops and offer trainings.

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Orenco® Rainwater Collection Equipment

for collecting,
storing,
and pumping
rainwater



500-gallon tank shown.
Tanks up to 50,000 gallons are available.



Orenco Systems®
Incorporated

Changing the Way the
World Does Wastewater®

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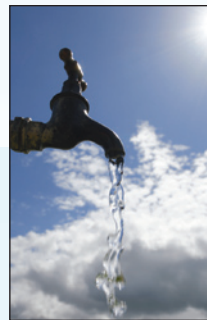
A Tradition of Sustainability

For centuries, people around the world have collected rainwater for a multitude of uses. Today, environmentally-conscious consumers are looking for ways to offset the rising cost and limited supply of potable water resources. And they're looking for ways to save the energy required to treat and transport potable water -- especially when potable water isn't necessary.



To meet that need, Orenco offers outstanding equipment for rainwater collection, storage, and pumping: patented, watertight Orenco fiberglass tanks, long-lasting Franklin high-head well pumps, touch-safe control panels, access risers with child-safe lids, and more. Our equipment can also be used to collect, store and pump water from wells or other sources, for nonpotable uses.

Orenco's rainwater collection equipment helps you lower your demand on natural resources and continue the centuries-old tradition of sustainable rainwater harvesting.



Multiple Applications



Rainwater collection equipment from Orenco can be used to supplement or replace potable water for lawn and garden irrigation, microfarm irrigation, ponds and fountains, car washing, outdoor fire suppression, indoor non-potable water use, and in many other situations where using treated and transported potable water is unnecessary and wasteful.

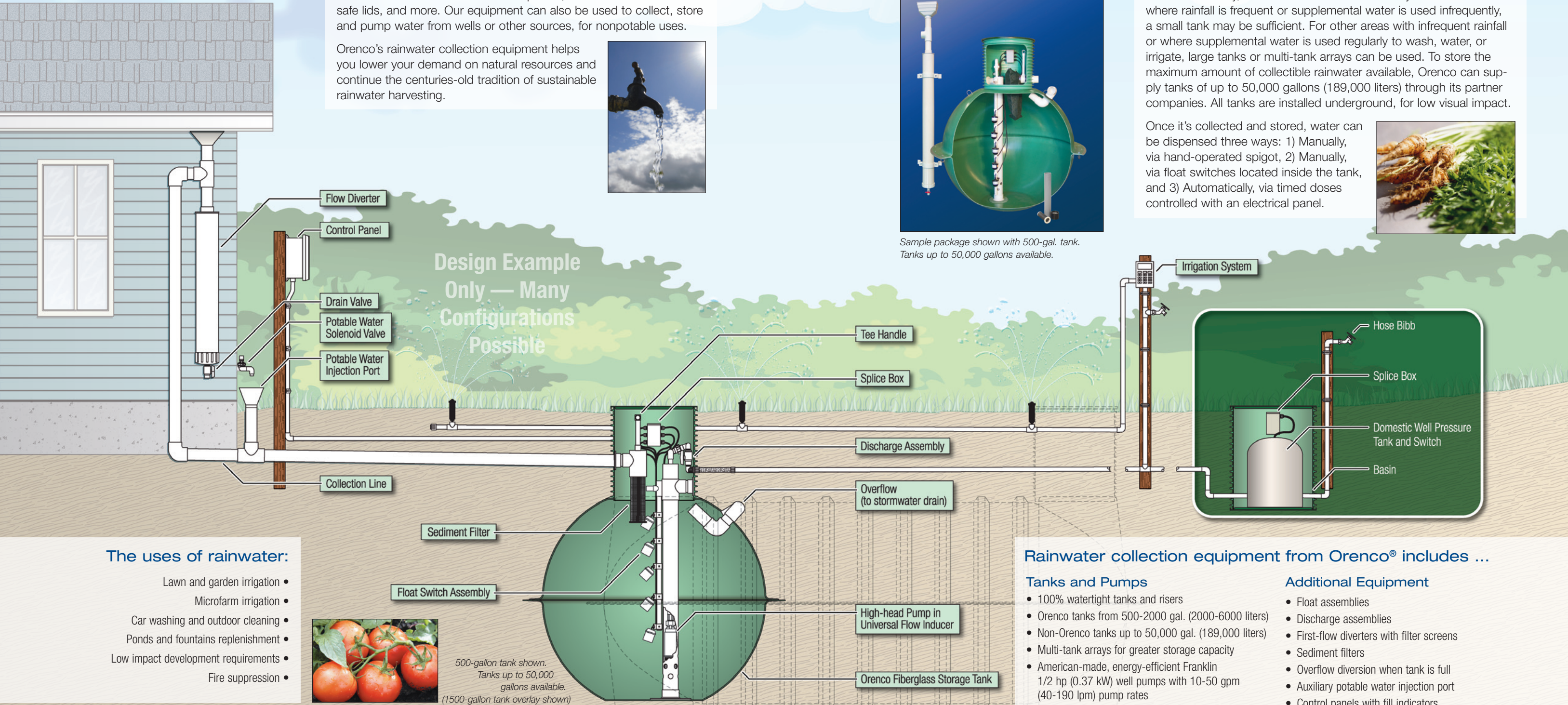
Catchment Potential

Each 1000 square feet (92.9 square meters) of a home's roof can provide about 600 gallons (2270 liters) of water per inch (25mm) of rainfall. This rainwater can be collected and used immediately, or stored for drier times of the year. In areas where rainfall is frequent or supplemental water is used infrequently, a small tank may be sufficient. For other areas with infrequent rainfall or where supplemental water is used regularly to wash, water, or irrigate, large tanks or multi-tank arrays can be used. To store the maximum amount of collectible rainwater available, Orenco can supply tanks of up to 50,000 gallons (189,000 liters) through its partner companies. All tanks are installed underground, for low visual impact.

Once it's collected and stored, water can be dispensed three ways: 1) Manually, via hand-operated spigot, 2) Manually, via float switches located inside the tank, and 3) Automatically, via timed doses controlled with an electrical panel.



Sample package shown with 500-gal. tank. Tanks up to 50,000 gallons available.



The uses of rainwater:

- Lawn and garden irrigation •
- Microfarm irrigation •
- Car washing and outdoor cleaning •
- Ponds and fountains replenishment •
- Low impact development requirements •
- Fire suppression •



500-gallon tank shown. Tanks up to 50,000 gallons available. (1500-gallon tank overlay shown)

Rainwater collection equipment from Orenco® includes ...

Tanks and Pumps

- 100% watertight tanks and risers
- Orenco tanks from 500-2000 gal. (2000-6000 liters)
- Non-Orenco tanks up to 50,000 gal. (189,000 liters)
- Multi-tank arrays for greater storage capacity
- American-made, energy-efficient Franklin 1/2 hp (0.37 kW) well pumps with 10-50 gpm (40-190 lpm) pump rates

Additional Equipment

- Float assemblies
- Discharge assemblies
- First-flow diverters with filter screens
- Sediment filters
- Overflow diversion when tank is full
- Auxiliary potable water injection port
- Control panels with fill indicators