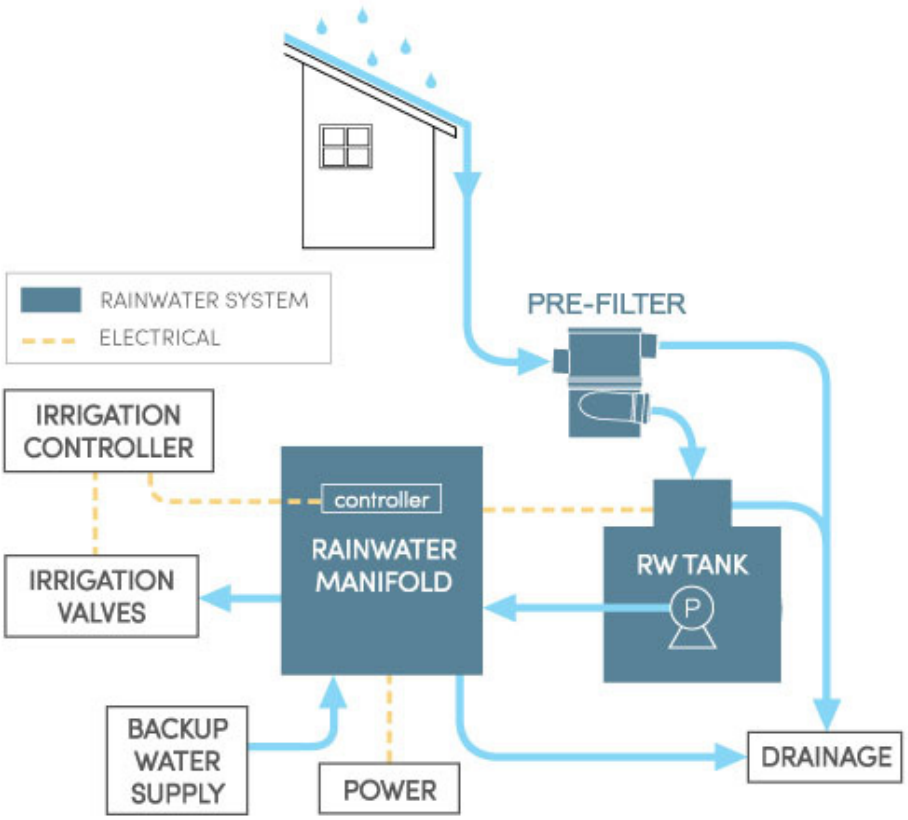
Brochure

SMART RAINWATER SYSTEM

Description

The Smart Rainwater System collects rainwater from a building or site and supplies filtered rainwater to the landscape drip irrigation system. A complete solution for the water-wise landscape, the system can save tens of thousands of gallons a year! The Smart Rainwater System is easy to install and is ideal for renovation or new construction projects.



Applications

- Residential
- Light commercial
- Large irrigation systems

Features

• **Proven Track Record:** 10 years of R & D with hundreds of successful installations

• **Plug & Play Installation:** Rainwater Manifold is factory built. Simply connect water, power, plug in the controller and you're ready to go!

• **Seamless Irrigation Integration:** Operates the same as a traditional irrigation system and is compatible with standard irrigation systems equipment

• **Smart Controller Compatible:** Works with ***all*** irrigation controllers, including smart controllers

• **Greywater Ready:** Can incorporate another water source like greywater or well water. Ask us more.

• **Low Maintenance Requirements:** Only once a year maintenance visit required!

• **Fully Automated Functionality:** No user involvement is required for system operation

• **Clog-Free Filtration:** Rainwater filter is automatically cleaned to reduce maintenance

• **Complete Water Monitoring:** Keep track of the system water savings and irrigation flow rates

• **Advanced System Diagnostics/Alarms:** Receive system performance notifications on the Rainwater Controller

• **California Code Ready:** Fully compliant with California Plumbing Code Chapter 16

• **Advanced Monitoring: (Optional)** Upgrade to see water savings on an internet dashboard in real time

Rainwater Manifold Details

Rainwater Controller
The Rainwater Controller automates the entire rainwater system (operates pump, backflushes filter, tracks water usage, displays system information & alarms).

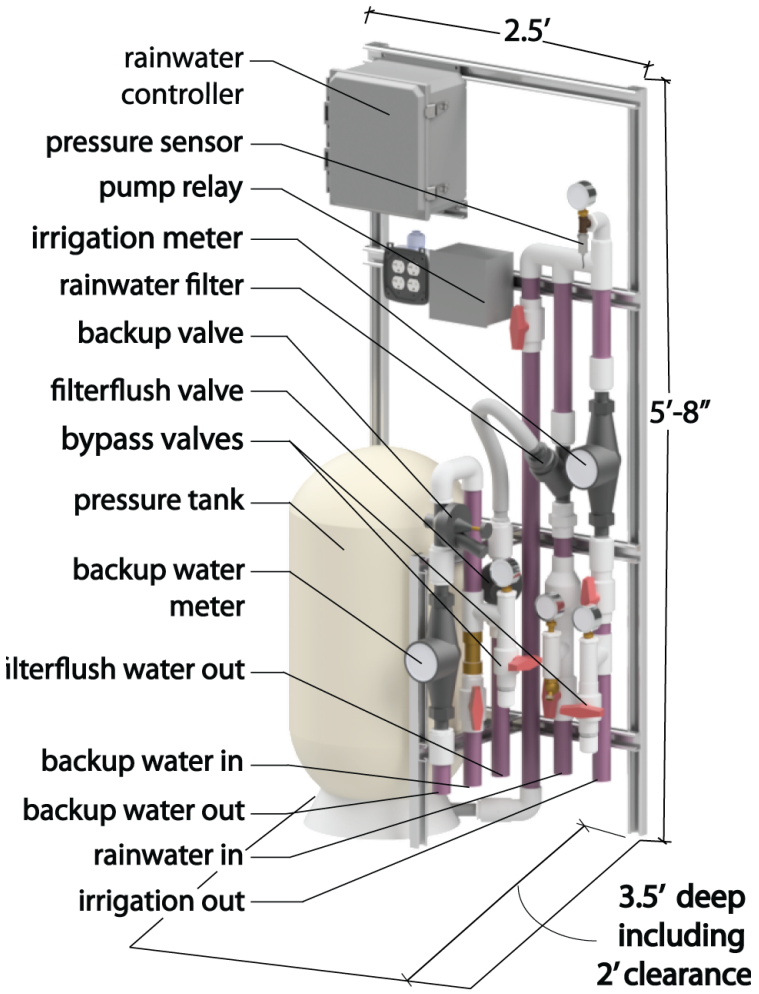
Pressure Sensor
The Rainwater Controller maintains a constant water pressure of 45-65 psi to the irrigation system.

Rainwater Filter
Rainwater is filtered through a 100 micron filter at the Manifold. The filter is automatically backflushed based upon how many gallons has passed through the filter. Filterflush water is sent to the landscape.

Backup Valve
If the rainwater tank is empty, the Rainwater Controller opens the backup valve to partially fill the rainwater tank to maintain a minimum water level for the pump.

Water Meters
The water meters track both greywater and backup water use and displays the information on the Controller LCD screen. The flow rate of the irrigation system is also displayed on the LCD screen.

Rainwater Manifold, wall-mounted



Technical Specifications

System Requirements:

Backup Water Type:	Indirect to greywater tank via air-gap
Backup Water Supply:	1.25” pipe size, 30 PSI static min.
Electrical Supply:	120VAC 15 amp circuit
Drain for Filterflush:	3” pipe
Maximum Drip Zone Size:	16 GPM
Maximum # of Zones:	unlimited
Warrant	One-year parts warranty

Performance:

Maximum Pressure Rating:	150 PSI
Supply to Irrigation:	16 GPM @ 45 PSI max.
Tank Storage Capacity:	1K-100K gallons
Rainwater Filtration:	100 micron
Maintenance Interval:	once per year
CA Code Compliant:	yes

Electrical Load:

Pump:	½ HP, 120VAC@ 10 amps
Controller:	120VAC@ 1 amp