



## PACKAGED RAINWATER HARVEST SYSTEM

BY PACIFIC SOUTHWEST INDUSTRIES

### COMMERCIAL

#### Features:

- 1 - 2 HP pumps (Constant pressure)
- 15 - 50 GPM
- 1" or 1.5" PVC
- Spin down filter/ 3 way valve/ ball valve, shut off valve
- Aluminum panel enclosure w/ hatch
- Control panel

#### Optional:

- UV sanitation
- PLC Systems (Programmable Logic Control)

### RESIDENTIAL

#### Features:

- .5 - 1 HP pumps
- 15 - 30 GPM
- 1" PVC
- Spin down filter/ 3 way valve/ ball valve, shut off valve
- Aluminum panel enclosure w/ hatch
- Control panel

#### Optional:

- UV sanitation
- PLC Systems (Programmable Logic Control)
- Filter down to 5 microns

Pacific Southwest Industries is proud to present our pre-packaged rainwater harvest system!

The system is comprised of two major components: The filter/valve/control assembly and the cistern with the irrigation pump. Our system is furnished with the above ground valve enclosure ready for drop-in installation, the controller and pump will ship loose with connection fittings.

#### ~SYSTEM OPERATIONS~

The Rainwater Harvest System will operate in the following manner:

During a rain event, water will flow through site drainage and enter the cistern. Housed inside the cistern will be the irrigation pump, pump on/off float switch, and high water alarm float switch. Once the water in the cistern is at the proper level, the pump will turn on and send water to the valve enclosure. It will first pass through the spindown filter to remove large particles and sediment, enter the automated 3-way valve, and pass through to the main irrigation system. The system controller will continue to run the irrigation system on the cistern's stored water until empty. Once the cistern is empty, the controller will set the 3-way valve to city water to run the irrigation system until the next rain event.

Note: Cisterns can be quoted with the system at request.