



Drainback Series

**The more you use your Sun Pro Solar System,
the more energy you save.**

Sun Pro Solar Systems provide all your hot water needs for every season, even on cloudy days, by using clean, renewable solar energy. It is the only household appliance to pay for itself several times during its useful life. Sun Pro Solar Systems help save the environment as they save you money. Your energy bills will decline drastically and immediately as you enjoy the comfort of Solar Hot Water every day.

System Features:

- **Attractive Skylight Collector Design**
- **30+ Year Design Life**
- **10 year limited collector warranty**
- **Electrical Backup**
- **Conforms to all Plumbing, Electrical and Solar Standards.**
- **Exceeds Energy Star Criteria and Delivers maximum credit toward Energy Efficiency Compliance.**



See the difference...Feel the difference...Make a difference



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www.SunProSolarSystems.com

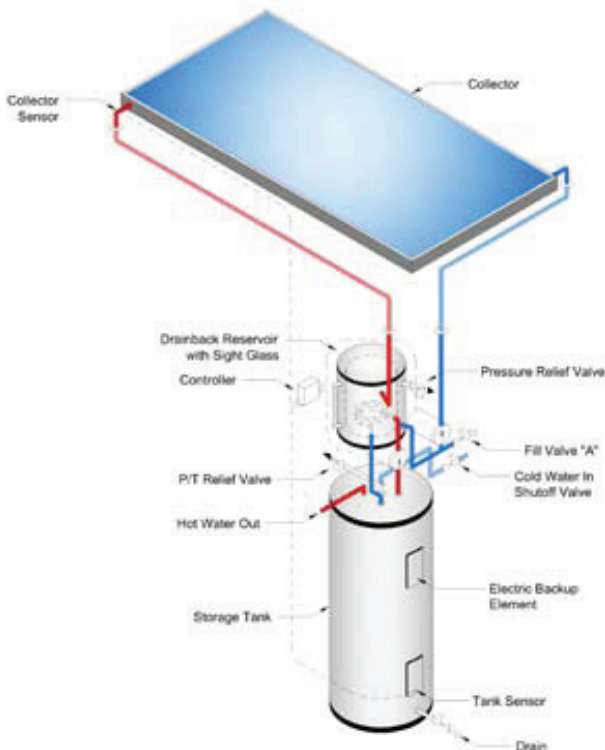
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The Drainback Series is an indirect system. It is referred to as "indirect" because the sun, through a roof-mounted collector, heats fluid circulating in a closed-off solar loop which never comes in direct contact with usable water stored in an insulated tank.

Methods of Heat Exchange

"DB" System – (internal heat exchanger in storage tank) - The heat exchanger wraps around the perimeter of the storage tank, heating the potable water in the tank.

"DX" Drainback System - (internal heat exchanger in Drainback reservoir) - drainback reservoir contains a built-in heat exchanger. As the heat transfer fluid is circulated through the solar collector loop, simultaneously, water is circulated from the hot water tank through the finned coil heat exchanger inside the reservoir.



Drainback System Features:

- Removes all water from the collectors, and their pipelines to ensure they never freeze when the system is not producing heat (drain mode). Each time the pump shuts off, the water in the collector(s) and piping, which are mounted at a slight angle, drains into the insulated reservoir tank.
- A sight glass attached to the reservoir tank indicates that the collector(s) has been completely drained.
- A Differential Control senses temperature differences between water leaving the collector and the coldest water in the bottom of the storage tank. When the temperature of the water in the collector is hotter than the water in the tank, the differential control operates the circulating pump.
- Less moving parts allows for fewer maintenance concerns.

Pre-Engineered Systems and American Manufactured Collectors
by [Alternate Energy Technologies](http://AlternateEnergyTechnologies.com).

