



DBS Drainback System



The more you use your EagleSun™ System, the more energy you save.

EagleSun™ 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. EagleSun™ 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 SYSTEM warranty***
 - *Includes collector and stainless tank and reservoir
- ◆ 316L SS Storage Tank
- ◆ SS Submersed Heat Exchanger
- ◆ SS Drainback Reservoir
- ◆ **Maintenance Free**
- ◆ Conforms to all Electrical and Solar Standards (UL approved)
- ◆ Exceeds Energy Star Criteria and Delivers Maximum Credit Toward Energy Efficiency Compliance



See The Difference... Feel the Difference... Make a Difference

DBS Drainback System

The drainback system is a non pressurized, closed loop. The water is pumped up to the collector when the controller senses the temperature in the solar collector is greater than the temperature at the bottom of the storage tank. Once the tank reaches the desired temperature, the pump shuts off and the solar fluid (usually water) drains back into the reservoir leaving only air in the collector. This water never comes into contact with the potable water stored in the solar storage tank, and protects the system from freezing, overheating, and panel corrosion due to aggressive water.

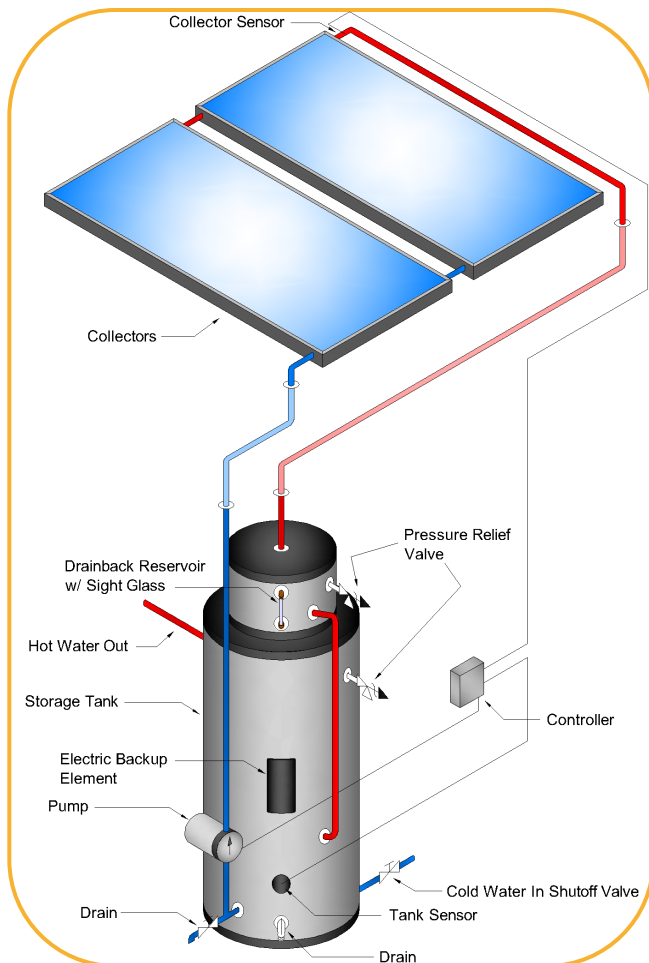
Method of Heat Exchange

The "DBS" system has an internal heat exchanger submerged inside the storage tank which heats the potable water. This innovative and efficient system has a single wall heat exchanger with only one pump, which makes this a crossover between the DB and DX systems.

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 turns off, the water in the collectors and piping, which are mounted at a slight angle, drains into the insulated reservoir
- ◆ A sight glass attached to the reservoir tank indicates that the collectors have 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.

Contact your local dealer



Pre-engineered with American-Manufactured Collectors
By Alternate Energy Technologies

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