

Indirect Pressurized Series

For freezing climates

Indirect Pressurized System Features:

- ◆ Accommodates climates where freezing weather occurs more frequently.
- ◆ 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.
- ◆ A heat exchanger is located within the storage tank to maximize the heat transfer from the antifreeze solution to the coldest water in the storage tank.
- ◆ A small photovoltaic solar panel option which generates electricity from the sun is available to operate the circulation pump, further reducing traditional energy consumption.

Drainback Series

For any climate

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 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.

Methods of Heat Exchange

"DB" System – (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 - (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.

