 **ENERGY
LABS**




Why Choose a **Solar** Hot Water System?

- Reduces Hot Water Costs
- Adds value to your home
- Reduces scaling and extends water heater life
- Lowers green house gas emissions
- Qualifies for the 30% federal tax credit

AndWhy Choose a....

Hot Water System?

- Our collectors are made from the finest materials available and carry a full warranty
- The modular design accommodates virtually any application and installation
- The systems are automatically protected from freezing and over heating
- Our unique *PROPAC*[™] system design provides the highest contribution of solar energy available*
- All components carry a full factory warranty
- They can be adapted to an existing water heater
- All components are fully warranted
- The exclusive *PROPAC*[™] design is only available through your in-home  sales rep.



All components proudly
Made in the USA

*Based on comparisons of Florida Solar Energy Center ratings of drainback systems

How your system operates

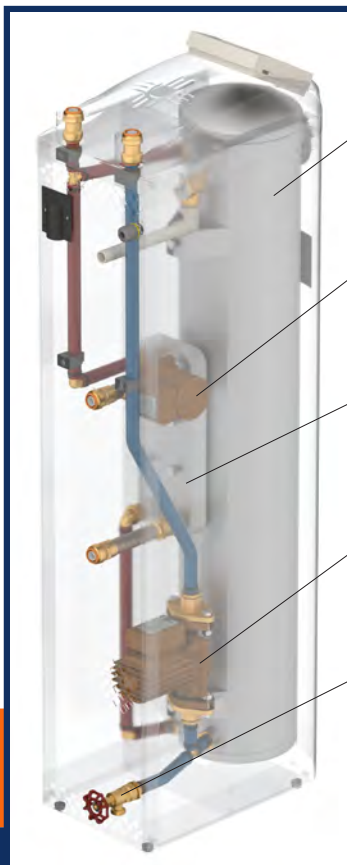
As sunlight falls on the solar collector (1) the solid copper absorbers begin to heat up. When the solar controller (4) senses the collector is 12 to 16 degrees hotter than the storage tank (2) it supplies power to the pumps in the PROPAC™ unit (3). One pump lifts water from the drain back tank to the collector and returns it to the stainless steel Heat Exchanger. A second pump moves water from the storage tank to the HX and back. The cycle continues until there is no heat available from the collector. When the pumps are turned off all the water in the collector drains back to the PROPAC™ unit.

Main System Components:

- 1 Highest quality glazed solar collector
- 2 Glass Lined Solar Storage Water Heater
- 3 Exclusive PROPAC™ drainback unit
- 4 Solid State Automatic Solar Controller



X-Ray view of the PROPAC™



- Stainless Steel Tank
- Hot Water Pump
- Heat Exchanger
- Solar Pump
- System Drain



Reinventing solar water heating with PROPAC™

Imagine the first fully integrated drainback system capable of converting any tank to solar: introducing **PROPAC™**

Pre-wired and pre-plumbed, this cutting edge system installs faster and more efficiently than any solar water heating system on the market.

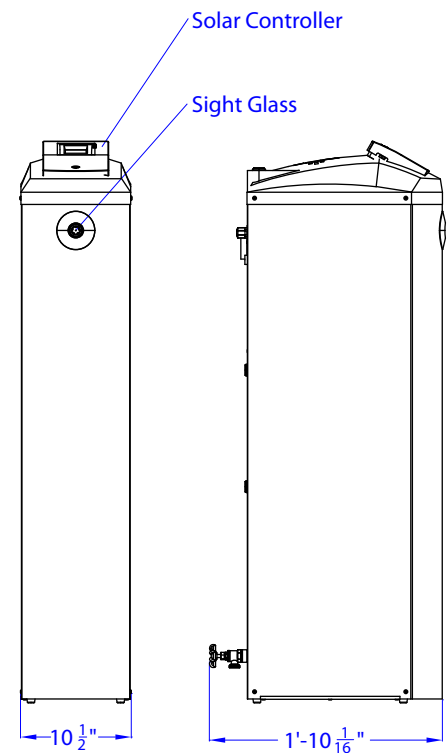
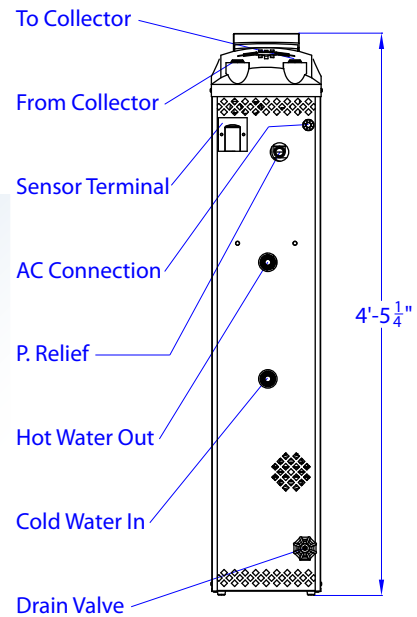
In addition to its effortless installation, **PROPAC™** compact footprint is a perk when space is of the essence. Aesthetically superior in design, this turnkey drainback module employs state of the art solar controller with liquid crystal display.

Features:

- High temperature stainless steel drainback tank with lifetime warranty
- Installs with a wrench
- Integrated heat exchanger
- Dual Taco bronze pumps
- Pre-wired, pre-plumbed
- Unique sight gauge/flow indicator
- Convenient filler cap
- Appliance like housing
- Suitable for all climates
- No valves on the roof
- Absolute freeze protection
- Extends collector life

Specifications:

Voltage:	120 VAC
Watts Operating:	219 W
Watts Idle:	<1 W
Head Capacity:	35 Ft.
Tank Capacity:	10 gal.
Heat exchanger:	Plate stainless steel
HX capacity:	50,000 Btu/hour
Operating Temp. fluids:	33 °F to 200 °F (+1 °C to +93 °C)
Collector temperature:	-70 °F to 356 °F (-56 °C to +180 °C)
Ambient temperature:	33 °F to 113 °F (+1 °C to +45 °C)
Weight:	73 lb
Casing & Frame:	Aluminum



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For sales, installation and service,
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