

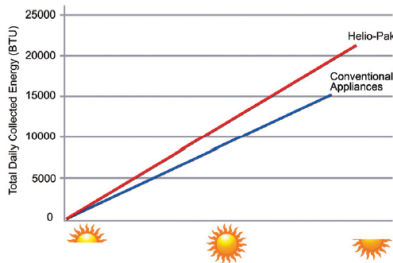
HELIO-PAK HEAT-TRANSFER APPLIANCE

Redesigned in 2021 the Helio-Pak (HPAK) is a closed-loop heat transfer appliance streamlined to provide a compact and reliable solution to solar hot water systems. The HPAK excels when it comes to quick installation, longevity, and performance in extreme weather conditions. In under 35 lb, this appliance comes factory assembled with all the necessary components to start building your hot water system.

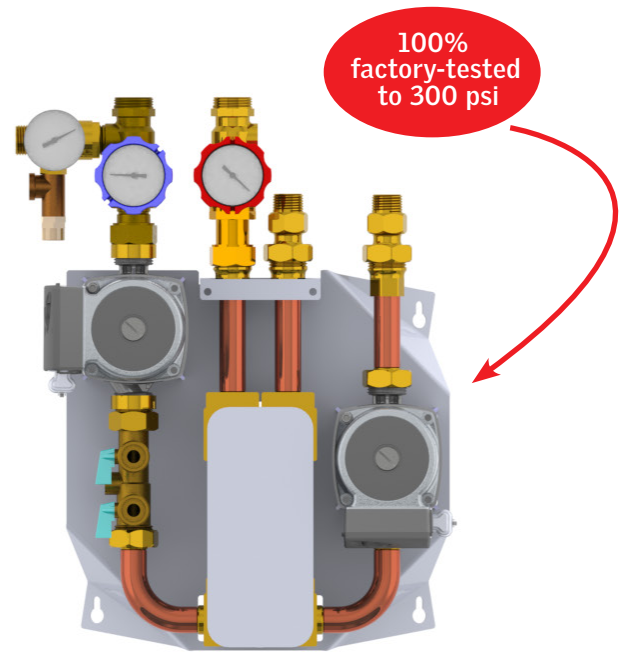
A major benefit the Helio-Pak provides is that it can attach directly onto the hot water tank. As a result, under certain conditions, the HPAK can be mounted onto a pre-existing water tank thereby reducing costs.

Features

- Heat exchanger surface promotes maximum heat generation
- Superior heat transfer via counterflow design
- 25% more efficient than conventional internal heat exchangers
- Under certain conditions, can mount to existing tank
- "Plug & Play" installation
- Viewable heat exchanger leak detection
- Two sizes available for differing loads



Helio-Pak vs. Conventional Heat-Transfer Appliance



HELIO-PAK PRO UPGRADE

The Helio-Pak Pro (with pre-installed Delta-T Pro controller) further enhances the residential solar hot water system, with the addition of user-friendly customizable settings, remote navigation, and expanded system performance data.

Features

- Remote Wi-Fi/ethernet system navigation
- BTU metering (When used w/ flow meter)
- Stored energy data (BTU, °F, GPM)
- Adjustable user settings
- Vacation mode

TECHNICAL SPECIFICATIONS

Solar loop connections DHW Connections

Expansion tank connection

Pressure relief valve

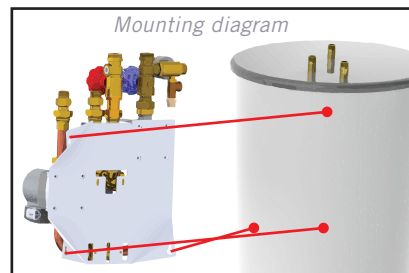
Combo valves include a gravity break (to prevent thermosiphoning at night), check valve, ball valve, and thermometer

Valve for convenient and quick filling of the system

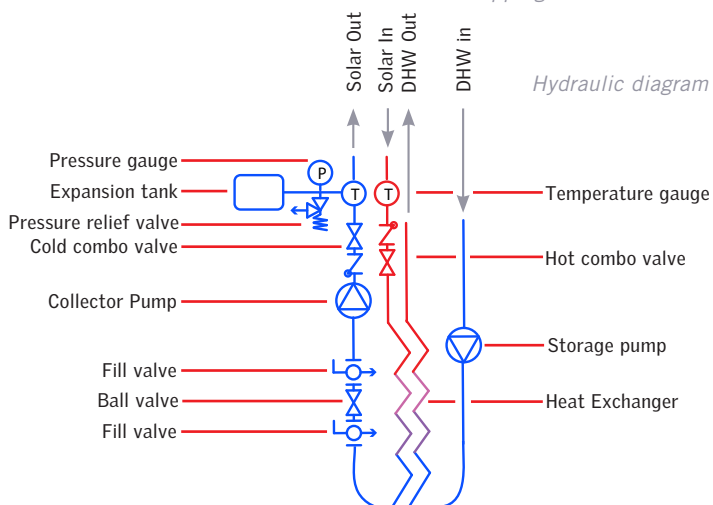
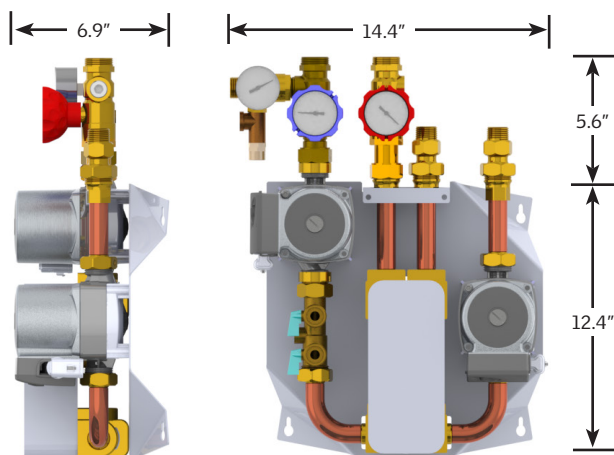
Flat plate heat exchanger

Included controller monitors and regulates the system

Flow Sensor
(add-on for HPAK Pro model only)



The HPAK mounts easily to the hot water tank with 3 self-tapping screws (included)



MODEL	HPAK 148 000	HPAK 148 001
Heat transfer rate (BTU / hour ¹)	48,000	48,000
Recommended Flow Rate ² (Gallons per Minute)	8	8
Max Collector Surface area (sq. ft)	320	320
Max Piping Resistance (ft of water)	7	7
Weight (lbs.)	35	35
Expansion Tank	5 gal	5 gal
Voltage	115 VAC , 60Hz	115 VAC , 60Hz
Controller Type	Standard	Pro

¹ - At full sun and 20° log mean temperature differential ² - With max collector surface area installed ³ - With recommended pump speed
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