

HFLO SYSTEMS

OPEN LOOP
SYSTEM

**FOR 1-8
COLLECTORS**

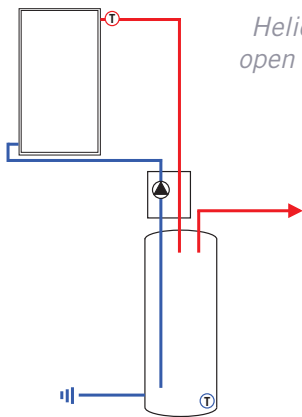


HELIO-FLO HEAT-TRANSFER APPLIANCE

The Helio-Flo (HFLO) is an all-in-one heat transfer appliance designed for use in open loop systems or in conjunction with a closed loop integrated tank system making it quite versatile for solar water heating applications. The HFLO comes factory assembled with all wiring, plumbing and fittings complete making installation a quick and trouble free experience.

Features

- Simple "Plug & Play" installation
- Comes fully assembled and factory tested
- Compact solution offers a clean look
- Excellent heat transfer rate
- Built-in thermosyphon prevention (top-mount models only)
- Factory tested to 250 psi
- Mounts onto tank to minimize space
- Available in top- or bottom-tank mounting configurations
- DC version also available with included PV panel



Helio-Flo diagram using an open loop system application

Included tank- or wall-mount bracket simplifies installation



**NEWLY
DESIGNED FOR
2009!**



OG300 CERTIFIED
Solar Rating and
Certification Corporation



Florida Solar Energy Center



Energy Star

HELIO-FLO PRO UPGRADE

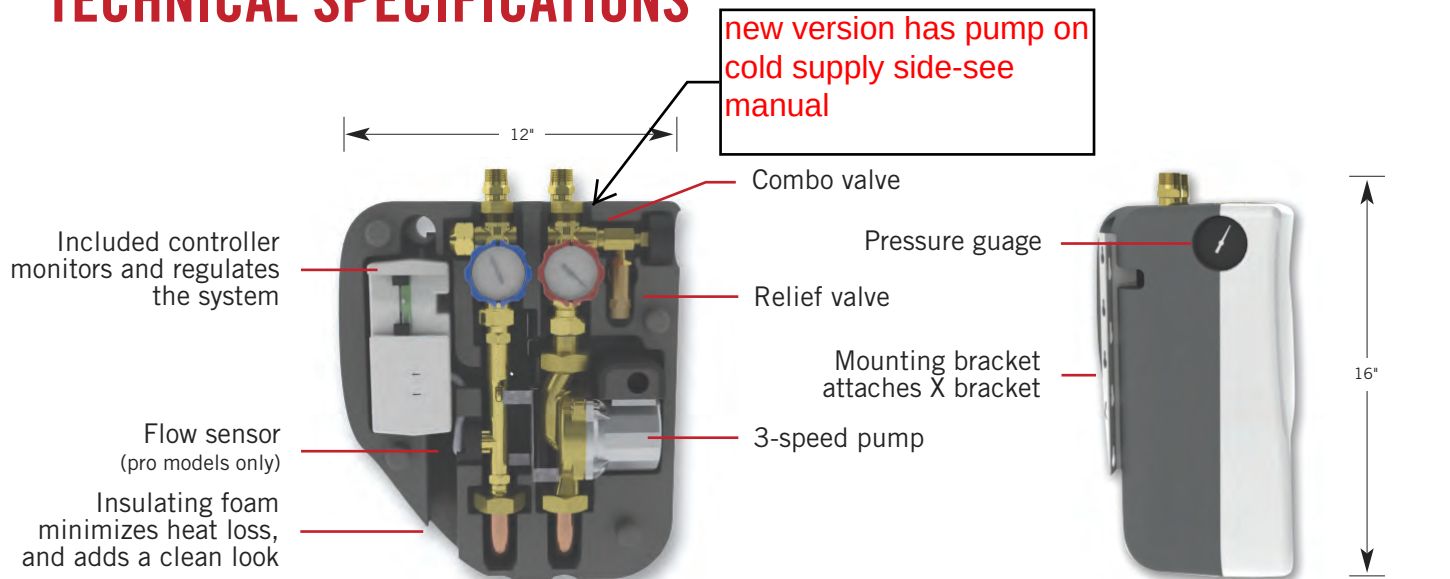


The Helio-Flo Pro (with pre-installed Delta-T Pro controller) further enhances the solar hot water system with the addition of user-friendly customizable settings, remote navigation, automated service reminders, and expanded system performance data. All these features can be accessed by logging onto a dedicated website.

Features

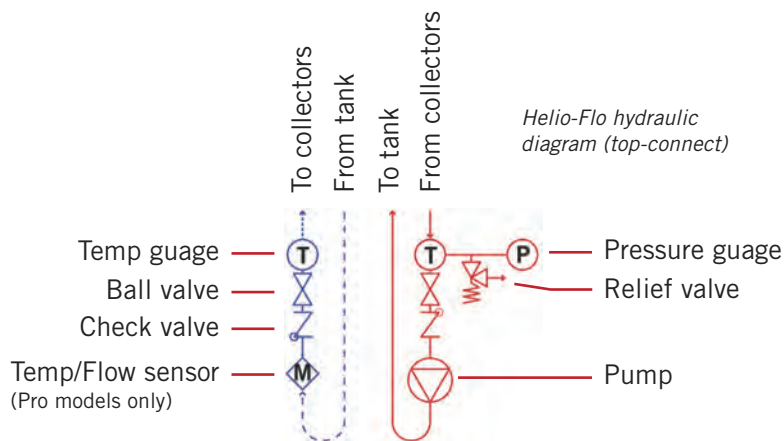
- Remote web-based system monitoring
- Automated service reminders
- Stored energy data (BTU, °F, GPM)
- Adjustable user settings
- BTU/kWh metering
- Vacation mode

TECHNICAL SPECIFICATIONS



Off grid Helio-Flo includes:

- DC controller
- DC pump
- 20W PV panel



MODEL	HFL0 016 000	HFL0 016 001	HFL0 00011	HFL0 016 011	HFL0 016 100	HFL0 016 110
Tank connect configuration	top	top	bottom	bottom	top	bottom
Controller type	standard	pro	pro	pro	standard	standard
Heat transfer rate (BTU/hour) ¹	16000	16000	48000	16000	16000	16000
Built in thermosyphon loop	yes	no	yes	no	yes	no
Recommended flow rate ² (gals per minute)	3	3	5-8	3	3	3
Max collector surface area	96	96	321	96	96	96
Max piping resistance (ft of water)	2	2	5	2	2	2
Weight (lbs)	30	30	30	30	30	30
PV panel	n/a	n/a	n/a	n/a	20W	20W
Voltage ³	115 VAC, 60 Hz	115 VAC, 60 Hz	115 VAC, 60 Hz	115 VAC, 60 Hz	12 VDC	12 VDC
Included sensors	2 x 10K Ohm	2 x 10K Ohm	2 x 10K Ohm	2 x 10K Ohm	2 x 10K Ohm	2 x 10K Ohm
Warranty (years)	3	3	3	3	3	3

¹ - With 40 Sq. Ft Collector on pump speed 1 ² - With max collector surface area installed ³ - 240 VAC also available

PTLS 080309

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SOLAR HOT WATER