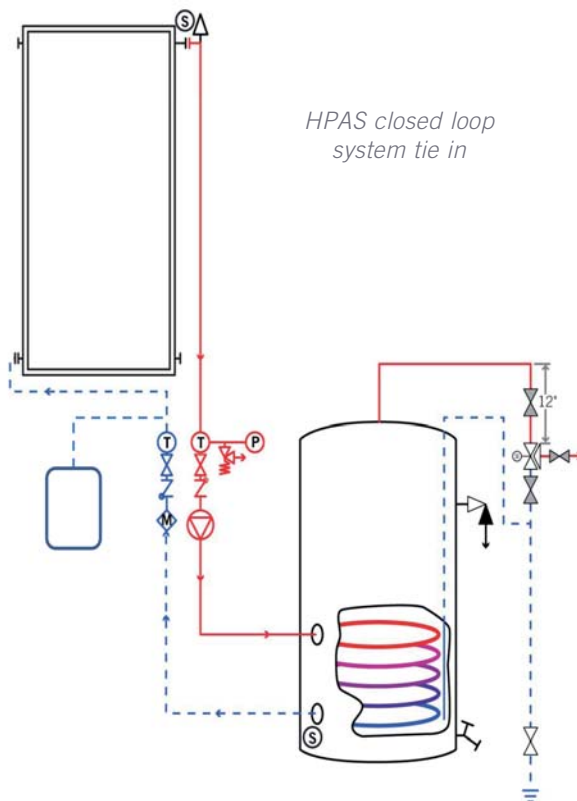


HELIO-PASS HEAT-TRANSFER APPLIANCE

The Helio-Pass (HPAS) heat-transfer appliance is designed for use with coil-in-tank water heating systems. It serves as a closed loop system by circulating solar fluid from the collectors through a tank-integrated coil. Heat from the solar fluid inside the coil is transferred to the domestic water supply.

Features

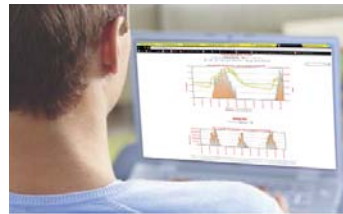
- Sleek modern, compact design
- Comes with Standard or Pro controller
- "Plug & Play" installation
- Includes expansion tank (5 gal)
- Works with all major coil-in-tank heat exchange brands



Factory-tested
to 300 psi



Helio-Pass Pro Upgrade

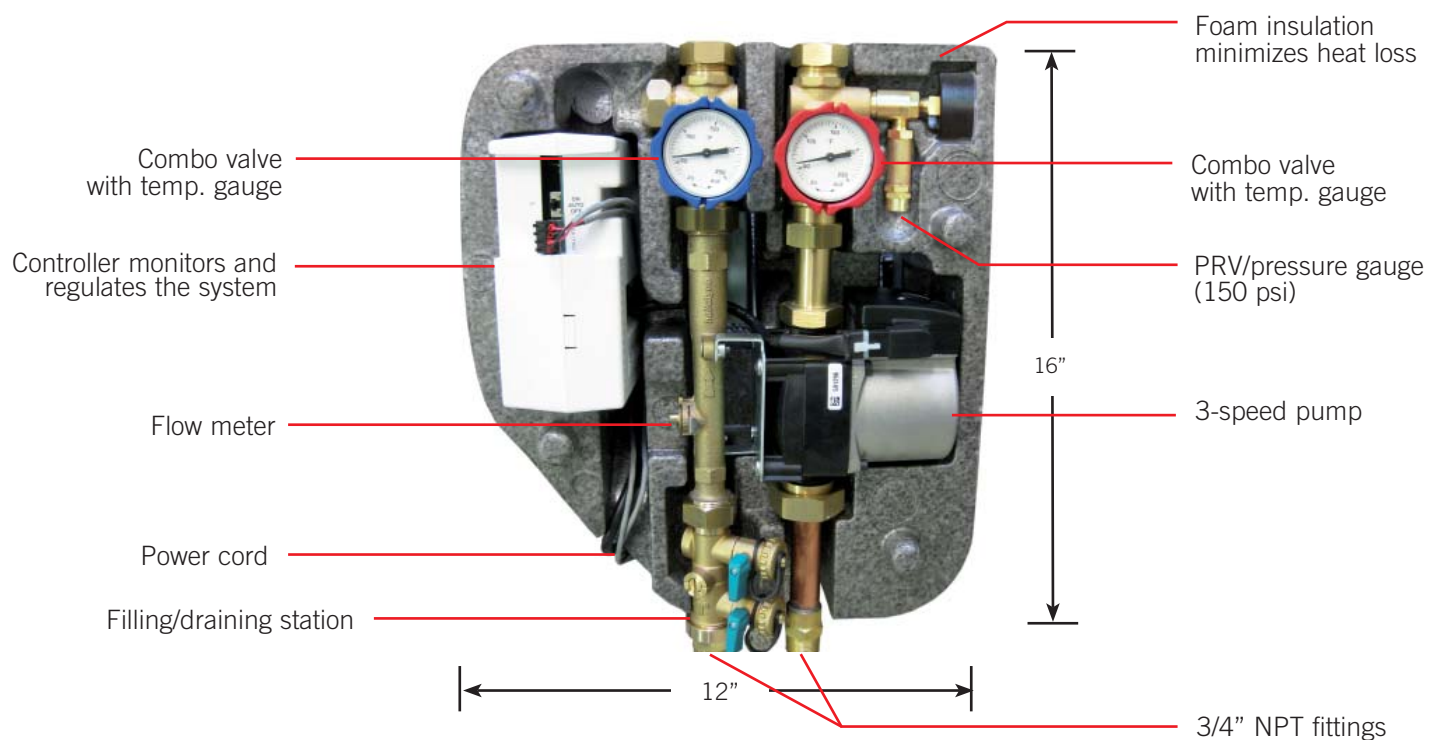


The HPAS Pro is an advanced model with a pre-installed Delta-T Pro controller. The advanced controller adds several customizable features as well as in depth energy data storage and monitoring. All of which can be accessed through a dedicated website.

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



Included tank or wall-mount bracket simplifies installation



MODEL	HPAS 048 000	HPAS 048 011
Tank Connect Configuration	Bottom	Bottom
Controller Type	Standard	Pro Ethernet /WiFi
Energy Metering	No	Yes
Maximum Collector Area	320 ft ²	320 ft ²
Voltage	120 VAC	120 VAC
Included Sensors	2 X 10k Ohm	
Warranty	5 year / 3 year electronics	

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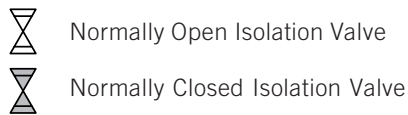
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Information and Support: info@heliodyne.com

heliodyne
SOLAR HOT WATER

4.2. Additional Tank Schematics

If your tank is not here, contact Heliodyne with questions. In accordance with SRCC standard OG-300, all piping and valves must be labeled. Attach the waterproofed labels provided with this manual to the appropriate components using zip-ties.

During solar system maintenance, turn the isolation valves to the opposite operation to allow the backup to maintain hot water and avoid service interruption.



In the summer months when the backup is not needed, additional energy can be saved by disabling and bypassing the backup.

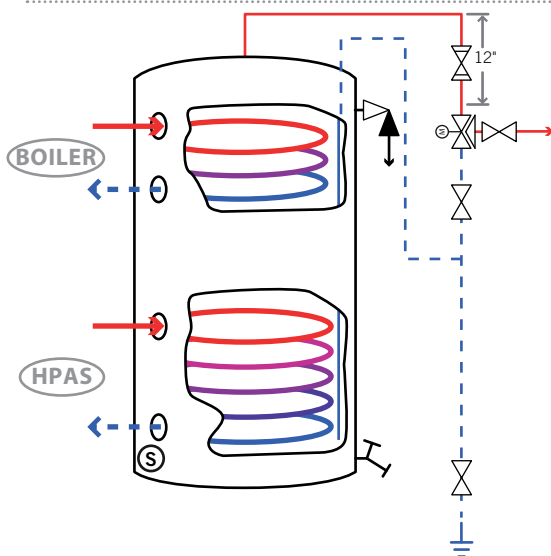
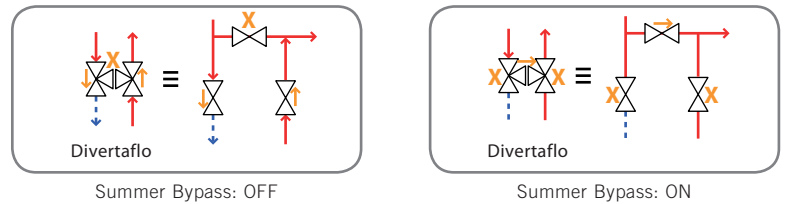


Figure 4.2.-1: Dual Coil Tank: Boiler Backup

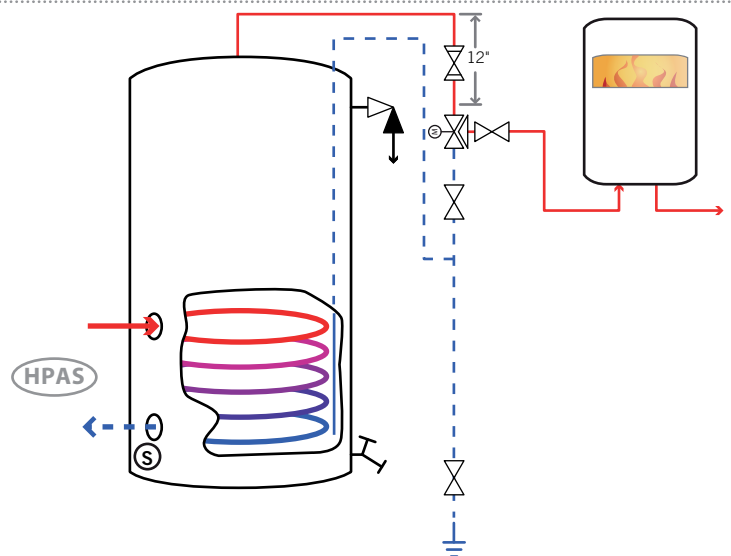


Figure 4.2.-2: Single Solar Coil, On Demand Backup

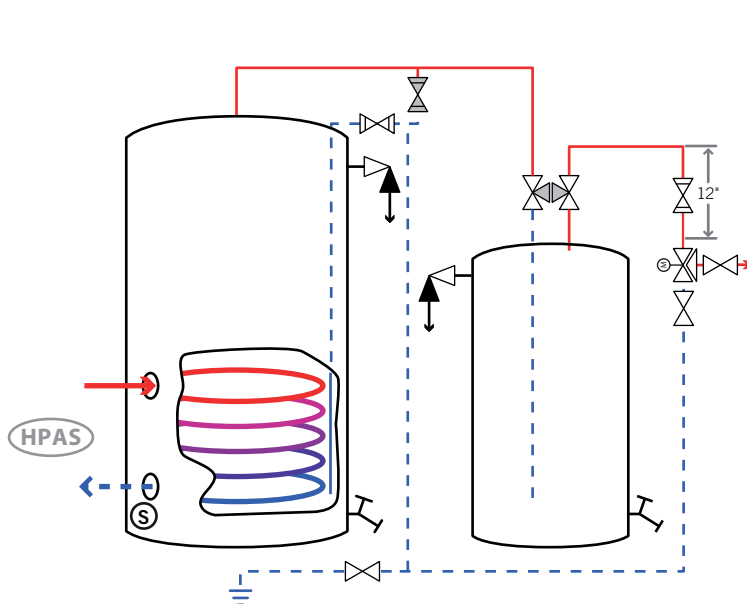


Figure 4.2.-3: Single Solar Coil, Electric Backup Tank

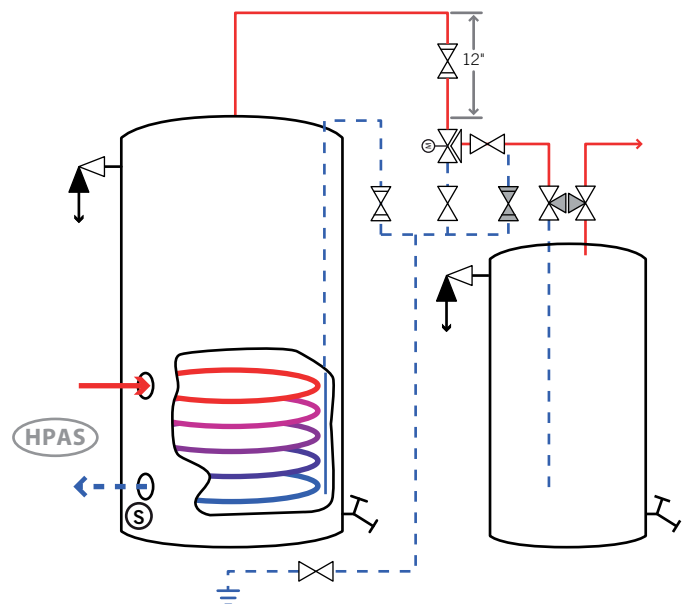


Figure 4.2.-4: Single Solar Coil, Gas Backup Tank