Job or Customer :	
Location :	
Engineer :	
☐ Complies with Spec ☐ Alternate	Notes :
Contractor :	
HeatLink Rep :	
Submitted By :	Date :
Approved By :	Date :
P.O. Number :	Date :

Description

The TWH Tankless Water Heater Mixing Panel's primary application is as a single zone mixing device for tankless DHW heaters. Both the primary and secondary pumps are activated once every 24 hours, for 15 minutes, to ensure that potable water in the piping is not stagnant.

When the panel receives a call for heat, both pumps are activated, and the thermostatic control head in the 3-way mixing valve will automatically regulate the water temperature in the secondary circuit. The TWH070XP is designed for applications where there is an extremely high flow resistance in the heat source.

The panel is pre-wired to work with the FLWSWTCH DHW priority switch (mounted externally). When using the FLWSWTCH priority switch, a flow sensor is installed in the DHW supply to the house downstream from the branch to the TWH panel. When the FLWSWTCH detects water flow, it will turn off the primary pump in the TWH panel, until such time that the DHW flow to the house falls below ~0.5 US gpm.

Qty	Stk. #	Nominal Panel Output	Nominal Flow		Nominal Pressure Drop Outside of Panel		Pump		
			Primary	Secondary	Primary	Secondary	Primary	Secondary	Weight
	TWH070P	70,000 Btu/hr	4.0 US gpm @ 35°F ΔT	7 US gpm @ 20 °F ΔT	14 ft	4 ft	UPS 15-58CIL2	UPS 15-58CIL2	28.5 lb (12.9 kg)
	TWH070XP	70,000 Btu/hr	4.0 US gpm @ 35°F ΔT	7 US gpm @ 20 °F ΔT	24 ft	4 ft	UPS 26-98BFC	UPS 15-58CIL2	35 lb (17.7 kg)

Note: When ordering, please include a copy of the completed submittal.

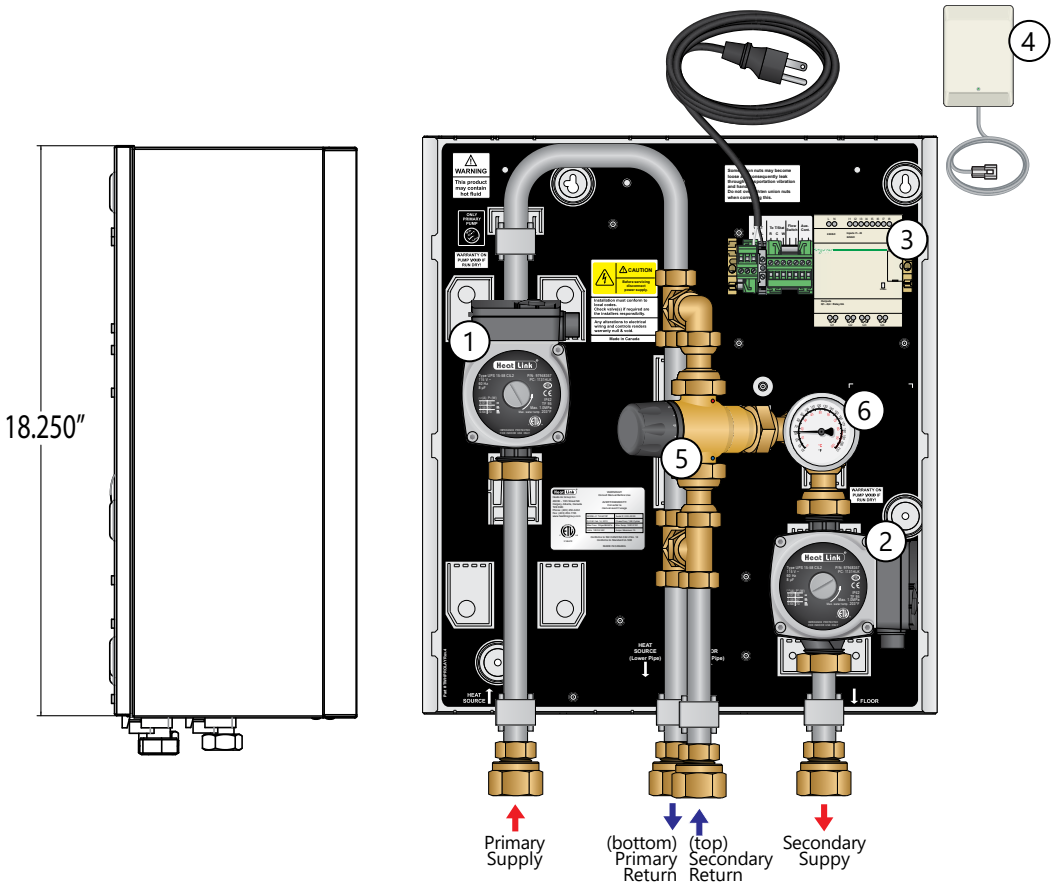
Technical Data

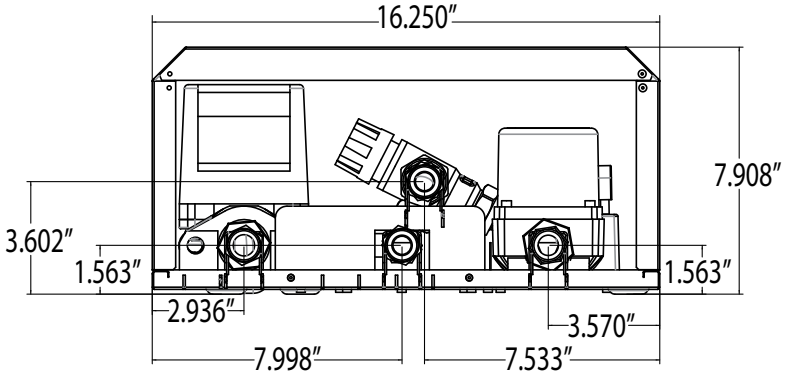
	Specifications
Max ambient temperature	120ºF (49ºC)
Max operating temperature	200ºF (93ºC)
Temperature control method	3-way thermostatic
Mixing valve size	1"
Mixing valve Cv	3.0
Temperature control range	110-140°F (43-60°C)
Min required flow for correct temp control	1.3 US gpm (5 L/min)
Power supply	120V(ac)
Auxiliary terminal	Yes
DHW priority	Optional @ ~0.5 US gpm DHW flow
Piping	¾" 304SS Tubing
Piping connections	1" FNPT
Material - backplate	16 Gauge galvanized steel
Material - enclosure	Powder coated steel

Standards / Listings
CAN/CSA-C22 No.14, UL508
cETLus

©2025 HeatLink Group Inc.

Panel Diagrams



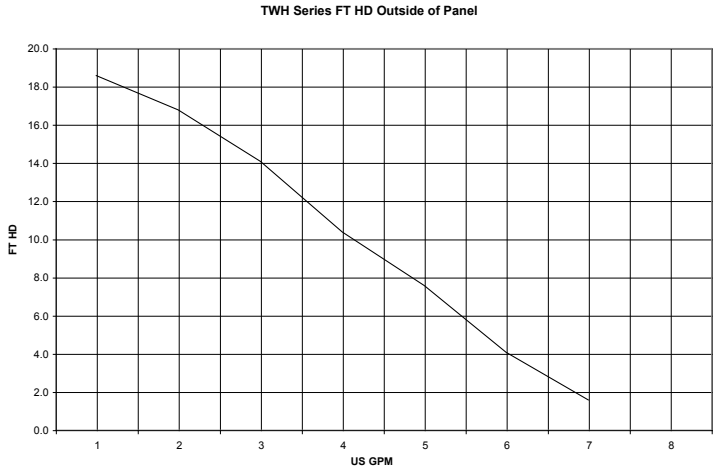


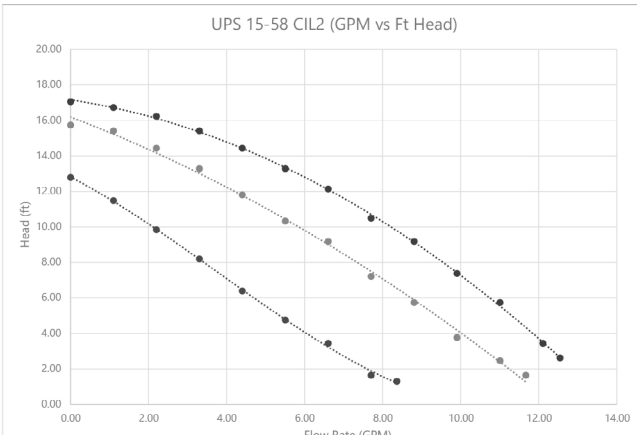
©2025 HeatLink Group Inc.

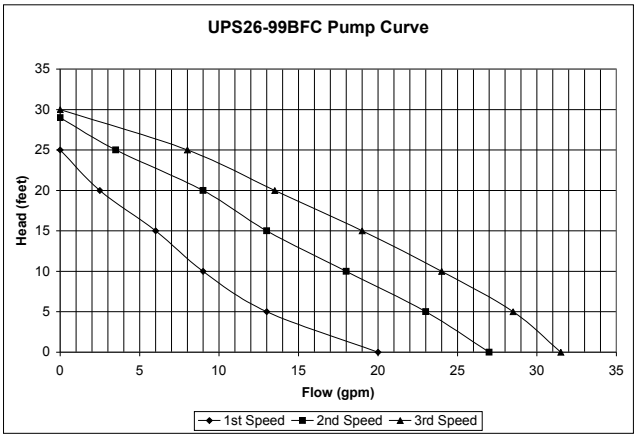
Panel Components

#	Components	Component Description	Stock Number (Qty.)	
			TWH070P	TWH070XP
1	Primary pump (with check valve)		UPS 15-58CIL2	UPS 26-98BFC
2	Secondary pump		UPS 15-58CIL2	
3	PLC control	24hr timer for potable applications		
4	24V(ac) 40VA plug-in transformer			
5	3-way thermostatic mixing valve			
6	Thermometer			

Pump Curves







Installation

Installation must follow all of HeatLink's instructions and guidelines.

Maintenance

Maintenance must follow all of HeatLink's instructions and guidelines.

Related Documents

- Operation and Maintenance Manual (L6TWH000P)
- FLWSWTCH Flow Switch for DHW Priority Submittal (SUBFLWSWTCH)
- HeatLink Limited Heating Warranty

All information is subject to change without notice.
Please check our website to ensure you have the latest version of this document.

©2025 HeatLink Group Inc.