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 multizone mixing device for tankless DHW heaters. Both the primary and secondary pumps are activated, and actuators (sold separately) are opened once every 24 hours, for 15 minutes, to ensure that potable water in the piping is not stagnant. At this time, a DHW priority option for these panels is not available.

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. When used with a tankless DHW heater as a heat source, secondary zoning downstream of the panel is possible (subject to local codes). The TWH070XPZ is designed for applications where there is an extremely high flow resistance in the heat source.

Qty	Stk. #	Nominal Panel Output	Nominal Flow		Nominal Pressure Drop Outside of Panel		Pump		
			Primary	Secondary	Primary	Secondary	Primary	Secondary	Weight
	TWH070PZ	70,000 Btu/hr	4.0 US gpm @ 35°F ΔT	7 US gpm @ 20 °F ΔT	14 ft	4 ft	UPS 15-58RU	UPS 15-58RU	28.5 lb (12.9 kg)
	TWH070XPZ	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 15-58RU	39 lb (17.7 kg)

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

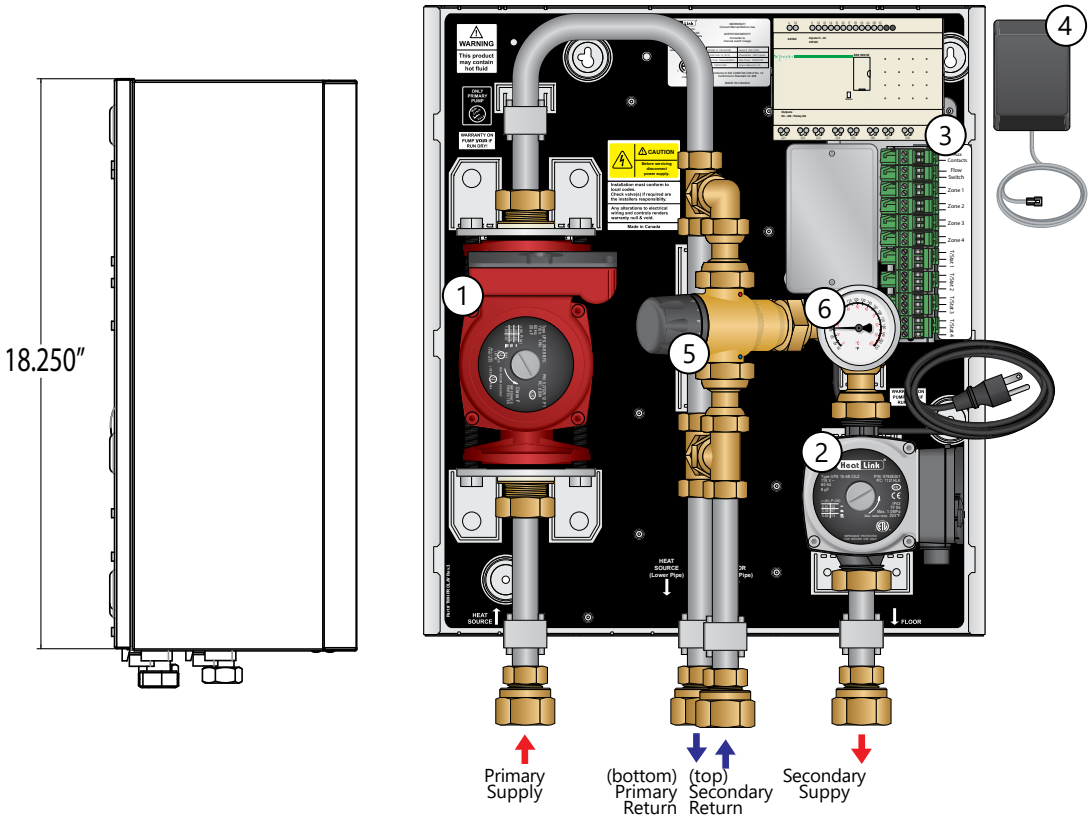
Technical Data

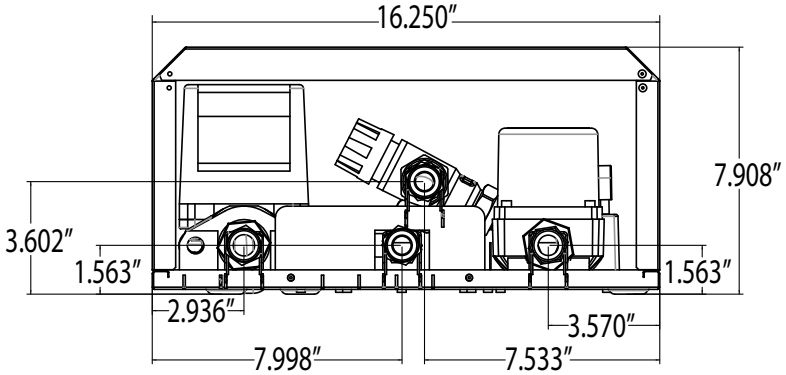
	Specifications
Max ambient temperature	120ºF (49ºC)
Max operating temperature	200ºF (93ºC)
Temperature control method	3-way thermostatic
Mixing valve size	1″
Mixing valve Cv	3.9
Temperature control range	110-140°F (43-60°C)
Min required flow for correct temp control	1 US gpm (5 L/min)
Power supply	110V(ac)
Auxiliary terminal	Yes
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

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Panel Diagrams



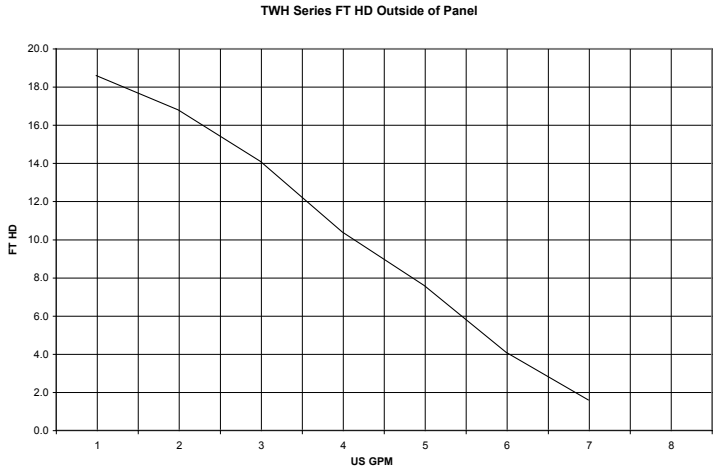


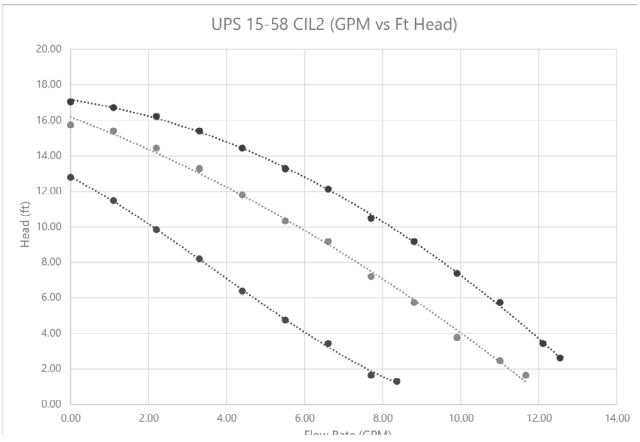
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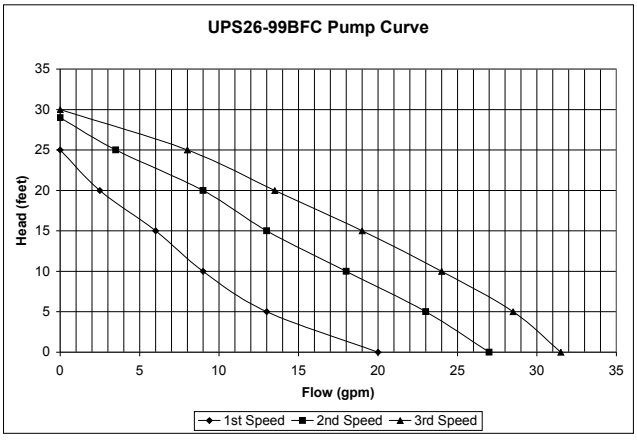
Panel Components

#	Components	Component Description	Stock Number (Qty.)	
			TWH070PZ	TWH070XPZ
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	(x1)	
4	24V(ac) 40VA plug-in transformer		(x1)	
5	3-way thermostatic mixing valve		(x1)	
6	Thermometer		(x1)	

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 (L6TWH000Z)
- 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.

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