

Job or Customer :	
Location :	
Engineer :	
<input type="checkbox"/> Complies with Spec <input type="checkbox"/> Alternate	Notes :
Contractor :	
HeatLink Rep :	
Submitted By :	Date :
Approved By :	Date :
P.O. Number :	Date :

Description

The TMP three way mixing panel's primary application is as a single zone mixing device where there are no flow requirements in the primary loop. Intended to be used with DHW tanks as a heat source, the pump is activated 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.

On a call for heat, the pump is activated and the thermostatic control head in the 3-way mixing valve will automatically regulate the water temperature in the secondary circuit. When not used with DHW tank as a heat source, secondary zoning downstream of the panel is possible.

Qty	Stk. #	Nominal Panel Output	Nominal Flow	Nominal Pressure Drop Outside of Panel	Valve Size	Valve Cv	Piping Connections	Weight
	TMP040	40,000 Btu/hr	4.0 US gpm @ 20 °F ΔT	4 ft	1"	1.8	¾" FNPT	21 lb (9.5 kg)
	TMP070	70,000 Btu/hr	7.0 US gpm @ 20 °F ΔT	4 ft	1"	3.7	1" FNPT	21 lb (9.5 kg)

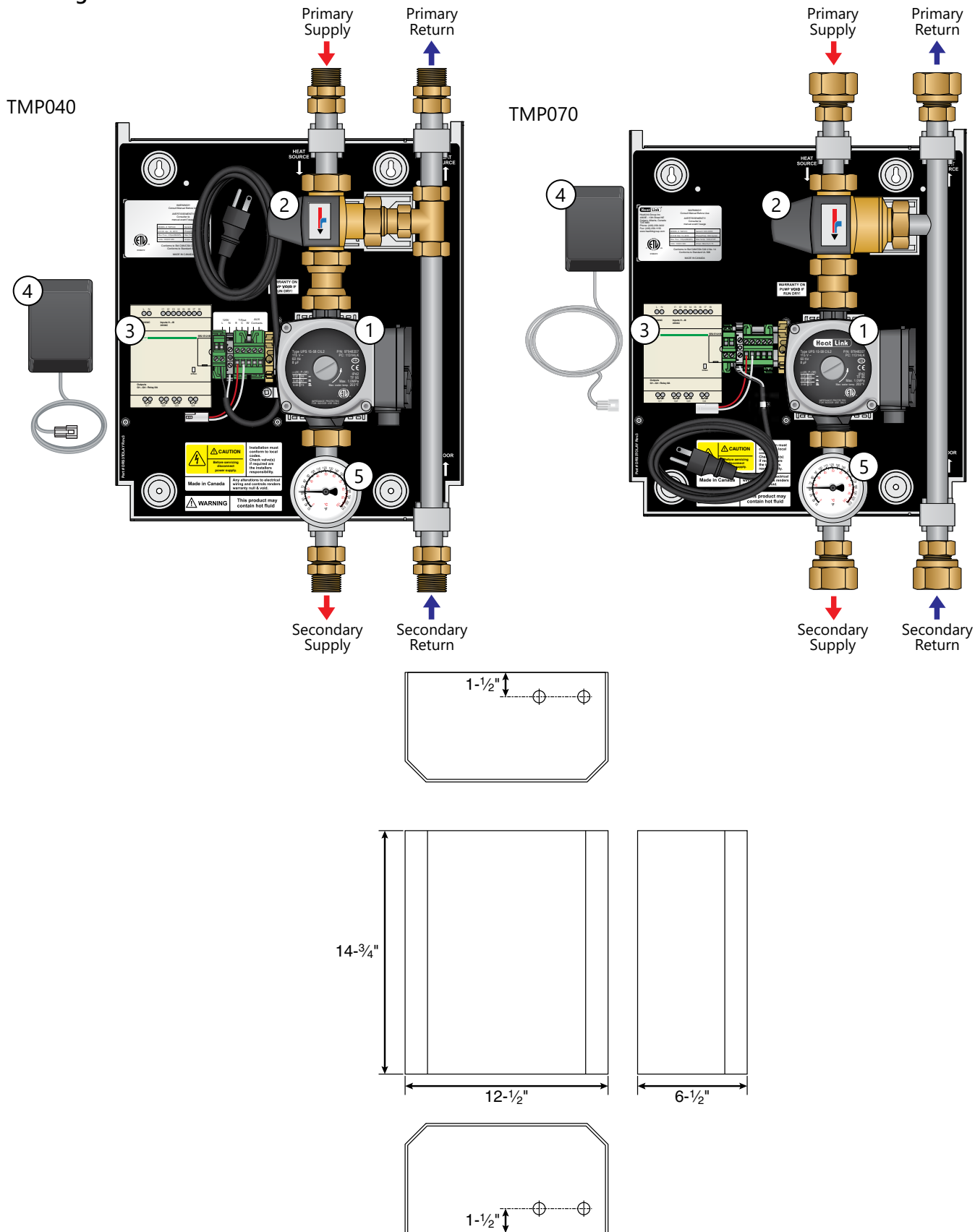
Note: When ordering, please include a copy of the completed submittal.

Technical Data

	Specifications
Max ambient temperature	120°F (49°C)
Max water temperature	200°F (93°C)
Temperature control method	3-way thermostat
Temperature control range	110-140°F (43-60°C)
Min required flow for correct temp control	1 US gpm
Power supply	120/24 V(ac)
Circulator	110Vac
PLC control	24Vac
Primary Pump	Grundfos UPS15-58CIL2
Auxiliary terminal	2 dry contacts, max load 1.5A
Piping	¾" 304SS Tubing
Piping connections	¾" and 1" FNPT
Material - backplate	16 Gauge galvanized steel
Material - enclosure	Powder coated steel

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

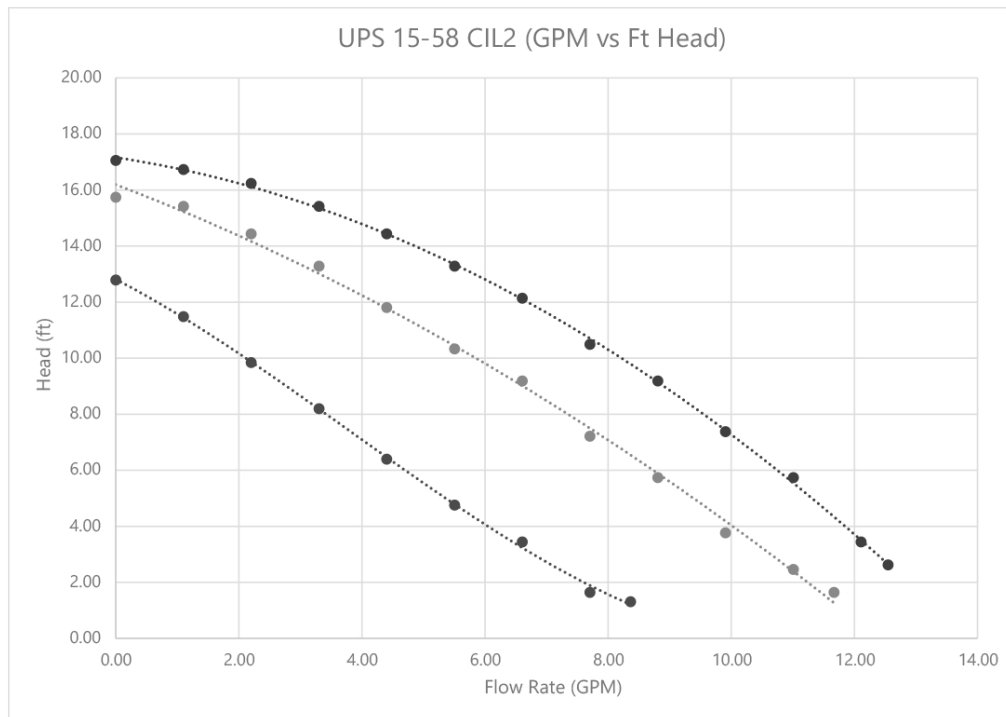
Panel Diagrams



Panel Components

#	Components	Component Description	Stock Number (Qty.)	
			TMP040	TMP070
1	Primary pump	The primary pump moves the heated fluid from the heat source through the system when there is a call for heat from the thermostat. Factory set to 3rd speed.	UPS15-58CIL2	
2	3-way thermostaic mixing valve			
3	PLC Control	Features a 24hr timer for potable applications		
4	24Vac 40VA Plug-in transformer	Provides power to the panel electronics	PLINTR40VA	
5	Thermometer			
6	Accessory pack			
i	Mounting screws		(x4)	
ii	1" Rubber washers		(x2)	
iii	3/4" Rubber washers		(x4)	
iv	Adapters	Adapters for piping hookup	(x4)	

Panel Curve



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 (L6TMP000)
- HeatLink Limited Heating Warranty