

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		Nominal Pressure Drop Outside of Panel	Valve Size	Valve Cv	Piping Connections	Weight
		Output	Nominal Flow					
	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.*

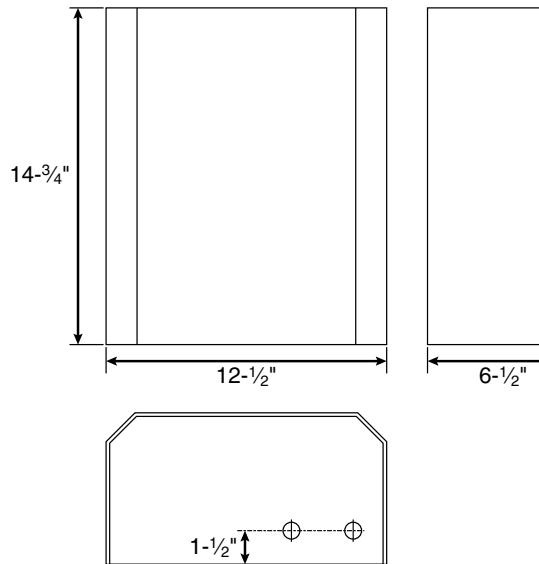
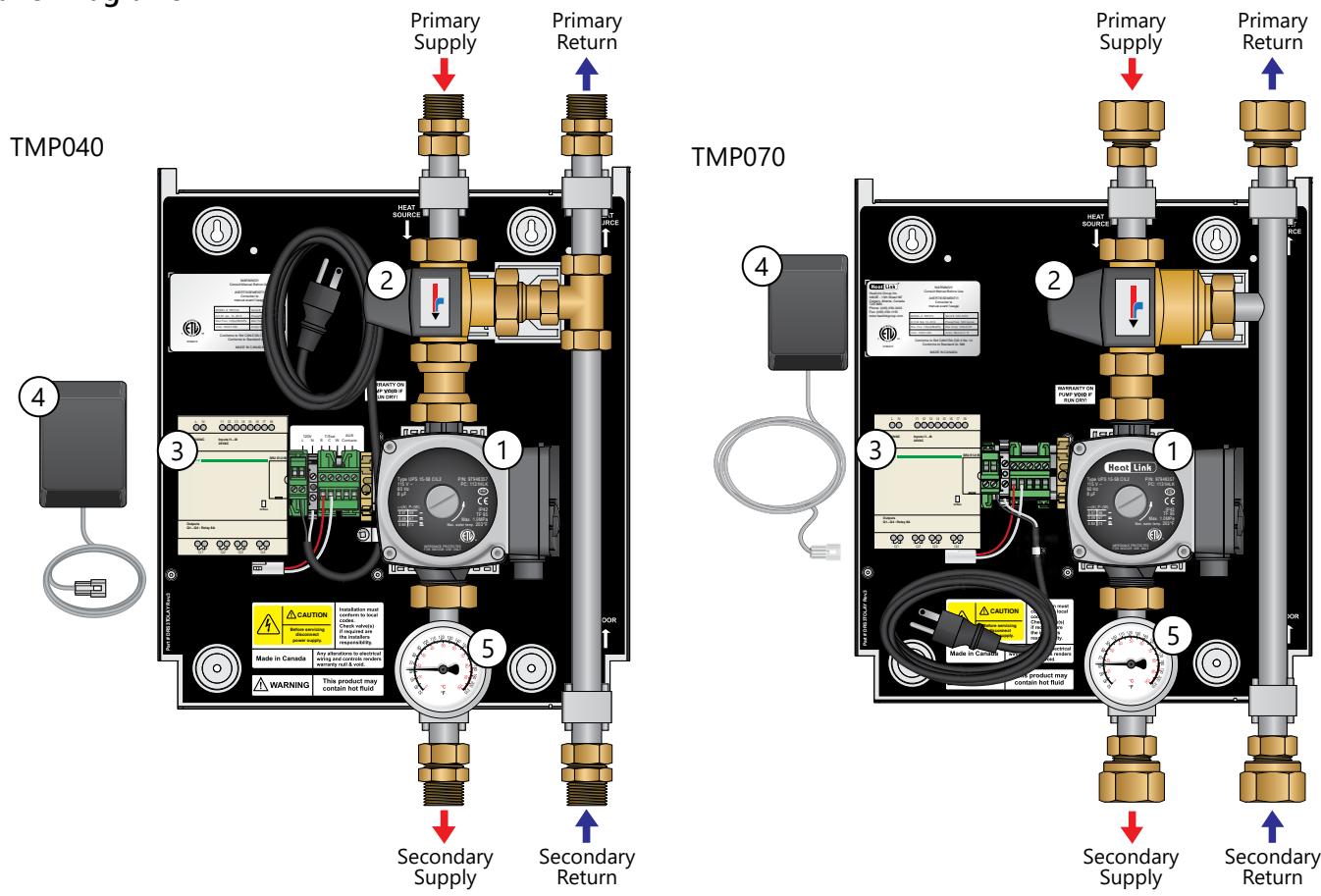
### Technical Data

#### 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

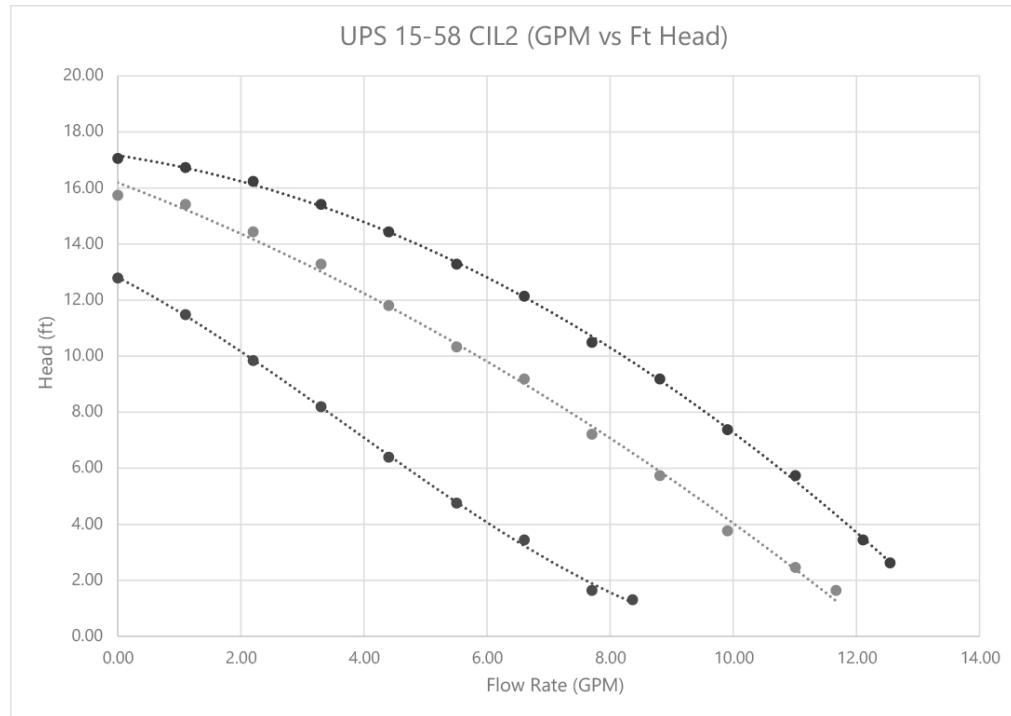
**Panel Diagrams**



## Panel Components

#	Components	Component Description	Stock Number (Qty.)
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 thermostatic 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