

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.

Technical Data

Max Ambient Temperature:..... 120°F (49°C)
 Max Water Temperature: 200°F (93°C)
 Temperature Control Method:..... 3-way Thermostatic
 Temperature Control Range: 110-140 °F (43-60°C)
 Min Required Flow for Correct Temp Control: ... 1 US gpm
 Power Supply:
 Circulator 110Vac
 PLC Control..... 24Vac
 Circulator: Non-ferrous, Grundfos UPS15-58
 Auxiliary Terminal: Yes
 Piping:..... ¾" 304SS Tubing
 Material - Backplate:..... Galvanized Steel
 Material - Enclosure:..... Powder Coated Steel

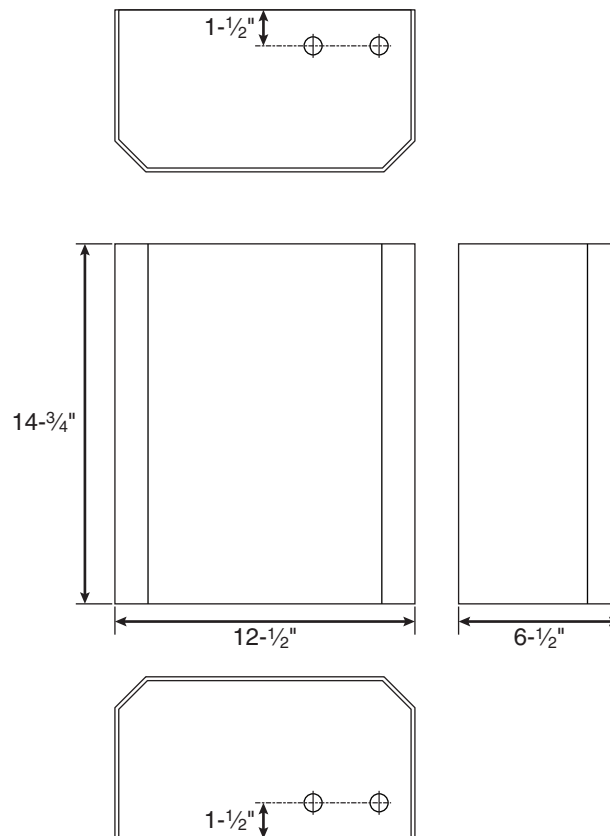
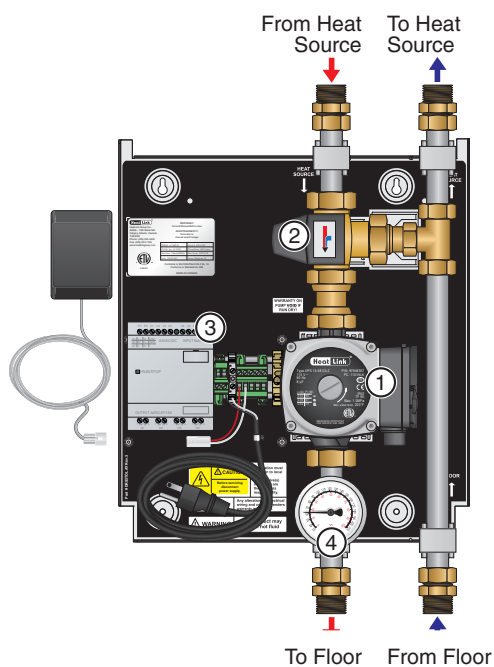
Standards / Listings

CAN/CSA-C22 No.14, UL508
 cETLus

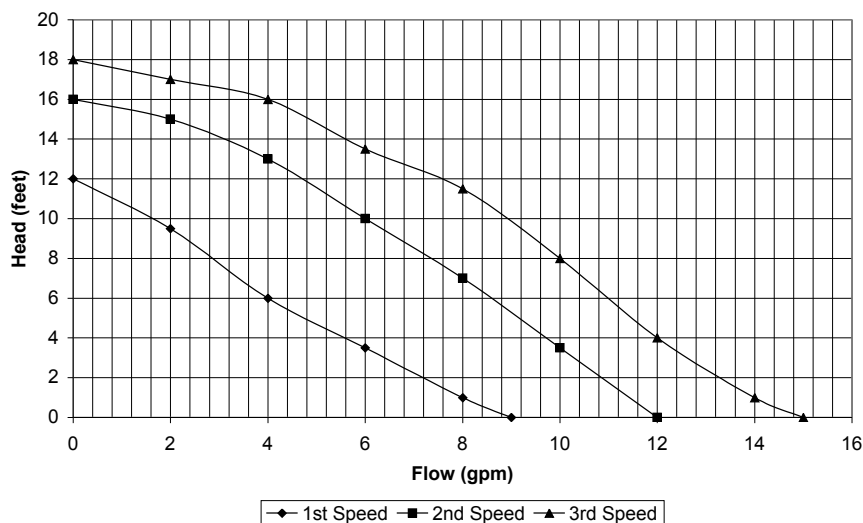
Qty	Stk. #	Nominal Panel Output	Nominal Flow	Nominal Pressure Drop Outside of Panel	Valve Size	Valve Cv	Piping Connections	Weight
	TMP040	40,000 Btu/hr	4.0 US gpm @ 20 °F ΔT	4 ft	1"	1.8	¾" FNPT	21 lb (9.5 kg)
	TMP070	70,000 Btu/hr	7.0 US gpm @ 20 °F ΔT	4 ft	1"	3.7	1" FNPT	21 lb (9.5 kg)

Panel Components

- ① UPS 15-58 Composite Pump
- ② 3-way Thermostatic Mixing Valve
- ③ PLC Control with 120Vac Power Cord and 24Vac Plug-in Transformer
 - 24hr Timer for Potable Applications
 - Auxiliary Dry Contacts for Heat Source
 - Bypass Function
- ④ Thermometer



UPS15-58CIL2 Pump 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

- TMP040/TMP070 Installation, Operation, and Maintenance Manual Instructions (L6TMP000)
- HeatLink Limited Heating Warranty