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 SMP400D-680 Snow Melt Panel is a central operations center for a fully automatic snow melt system. The SMP400D-680 does not have an isolation heat exchanger and is intended for snow melt systems with a dedicated heat source (e.g. a boiler or other non-DHW appliance). Housing the snow melt pump, mixing valve, and controls, it supplies the snow melt pad with the glycol mixture from the heat source. The included 30680 snow melt control uses Snow/Ice Detector #30090 and Snow/Ice Sensor Socket #30091 (both sold separately).

Qty	Stk. #	Nominal Panel Output	Nominal Flow	Nominal Pressure Drop Outside of Panel	Pump
	SMP 400D-680	400,000 btu/hr	32 US gpm @ 25°F ΔT	25 ft	Ferrous, UP43-110

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

Technical Data

	Specifications
Material - Backplate and Sides	Galvanized steel
Material - Cover	Powder coated steel
Material - Piping	Type L & M copper
Temperature Control Method	1¼" 3-way diverting valve and motorized actuator, controlled by a snow melt control
Mixing Valve Cv	18.6
Temperature Control Range	50-180°F (10-82°C)
Piping Connections	1½" FNPT
Expansion Tank Fitting	½" FNPT
Cold Water Fill	¾" hosebib
Max Ambient Temperature	120°F (93°C)
Max Operating Pressure on Secondary Side	100 psi (689 kPa)
Power Supply	Hard-wired, requires shut off switch for maintenance/ repairs, 15 Amp, 120V, 60Hz, single phase

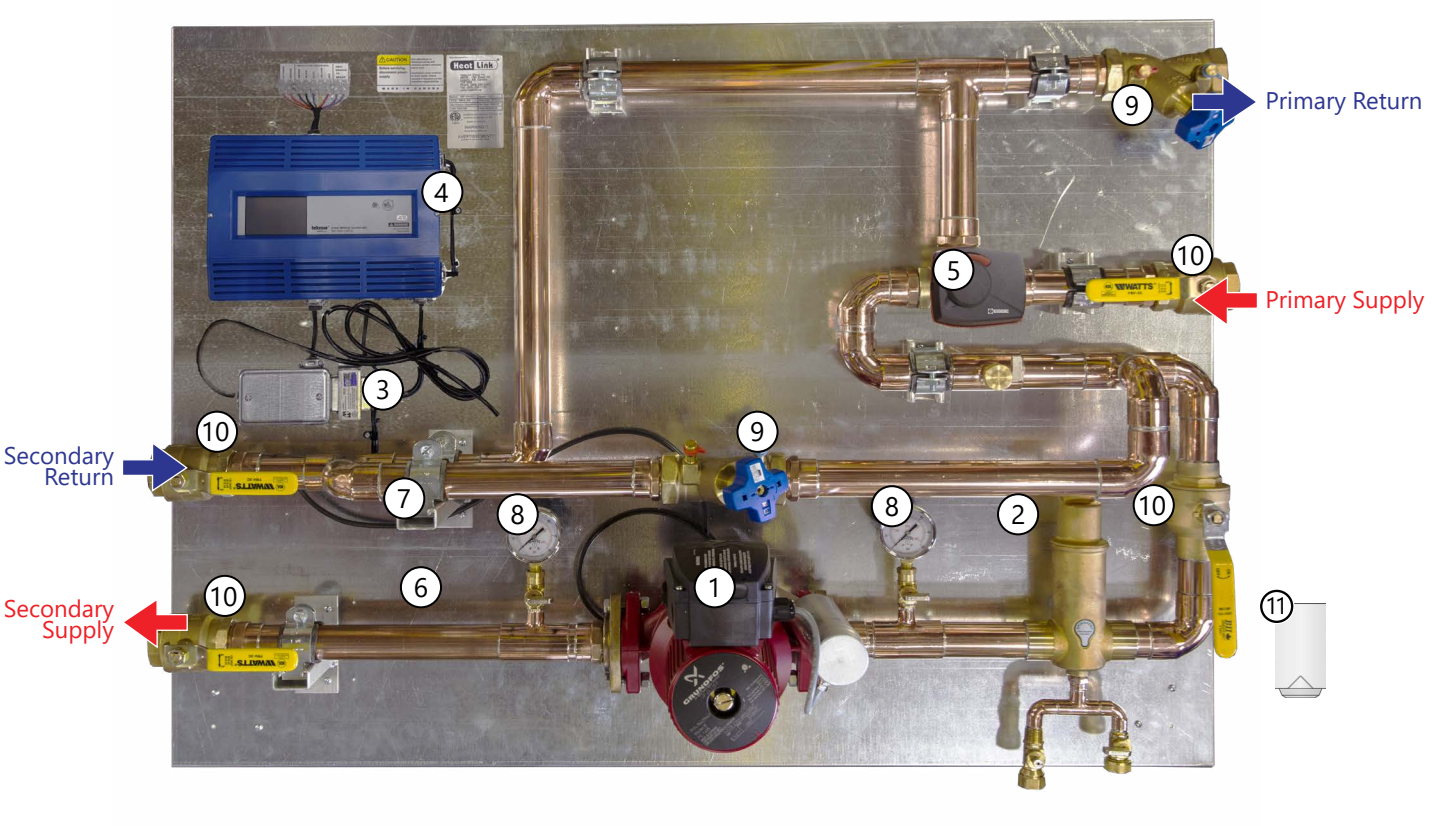
Standards / Listings

CAN/CSA-C22 No.14, UL508

cETLus

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Panel Diagrams



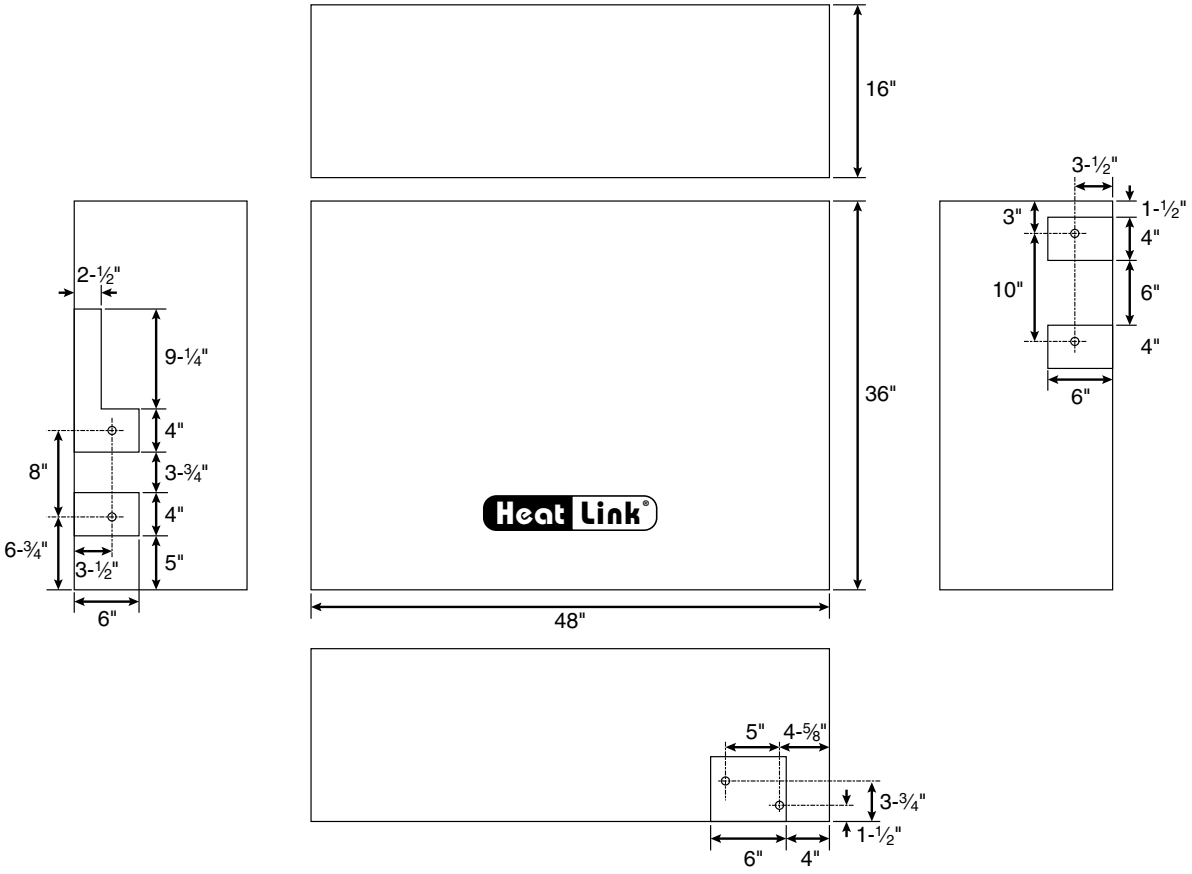
Panel Components

1. Secondary Pump
2. Air Eliminator
3. 24Vac Transformer
4. Snow Melt Control
5. 3-Way Diverting Valve with Motor
6. Supply Sensor (not shown)
7. Strap-on Thermometer (not shown)
8. Pressure Gauge
9. Balancing Valve
10. Isolation Valve
11. Outdoor Sensor (#30070)

Enclosure and Cover (not shown)

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Panel Dimensions



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 (L6SMP000-680)
- HeatLink Limited Heating Warranty

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