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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 SMP375SS and SMP375SSH Snow Melt Panels are operation centers for fully automatic snow melt systems. They are intended for snow melt systems with a dedicated heat source (e.g. a boiler or other non-DHW appliance), therefore no heat exchangers are required. Standard snow melt control uses Snow/Ice Detector #DRVWSNS-SS (sold separately). Snow melt control can be changed to HeatLink® #31680 Snow/Ice Detector and Melt Control (OPT-SMP-680) which uses Snow/Ice Detector #30090 and Snow/Ice Sensor Socket #30091 (both sold separately).

Qty	Stk. #	Nominal Panel Output <i>see conditions below</i>	Primary Pump	Secondary Pump	Weight
	SMP375SS	300,000 Btu/hr	Ferrous, Grundfos UPS26-99FC	Ferrous, Grundfos UPS26-99FC	75 lb (34.1 kg)
	SMP375SSH	375,000 Btu/hr	Ferrous, Grundfos UPS26-99FC	Ferrous, Grundfos UPS26-150FC	80 lb (36.4 kg)

**Options**

- OPT-SMP-680** - replace standard snow melt control with HeatLink® #31680 Snow/Ice Detector and Melt Control (see SUB31680)

**Technical Data**

	Specifications	Stock Number	
		SMP375SS	SMP375SSH
Max ambient temperature	120°F (49°C)	•	•
Max operating temperature	200°F (93°C)	•	•
Max. operating pressure	125 psi (862 kPa)	•	•
Temperature control method	3-way mixing valve w/DDC motor	•	•
Mixing valve size	1-1/4"	•	•
Mixing valve Cv	11.6	•	•
Power supply	120/24 V(ac)	•	•
Auxiliary terminal	2 dry contacts, max load 1.5A	•	•
Piping	1" 304SS Tubing	•	•
Piping connections	1" FNPT	•	•
Material - backplate	16 Gauge galvanized steel	•	•
Material - enclosure	Powder coated steel	•	•

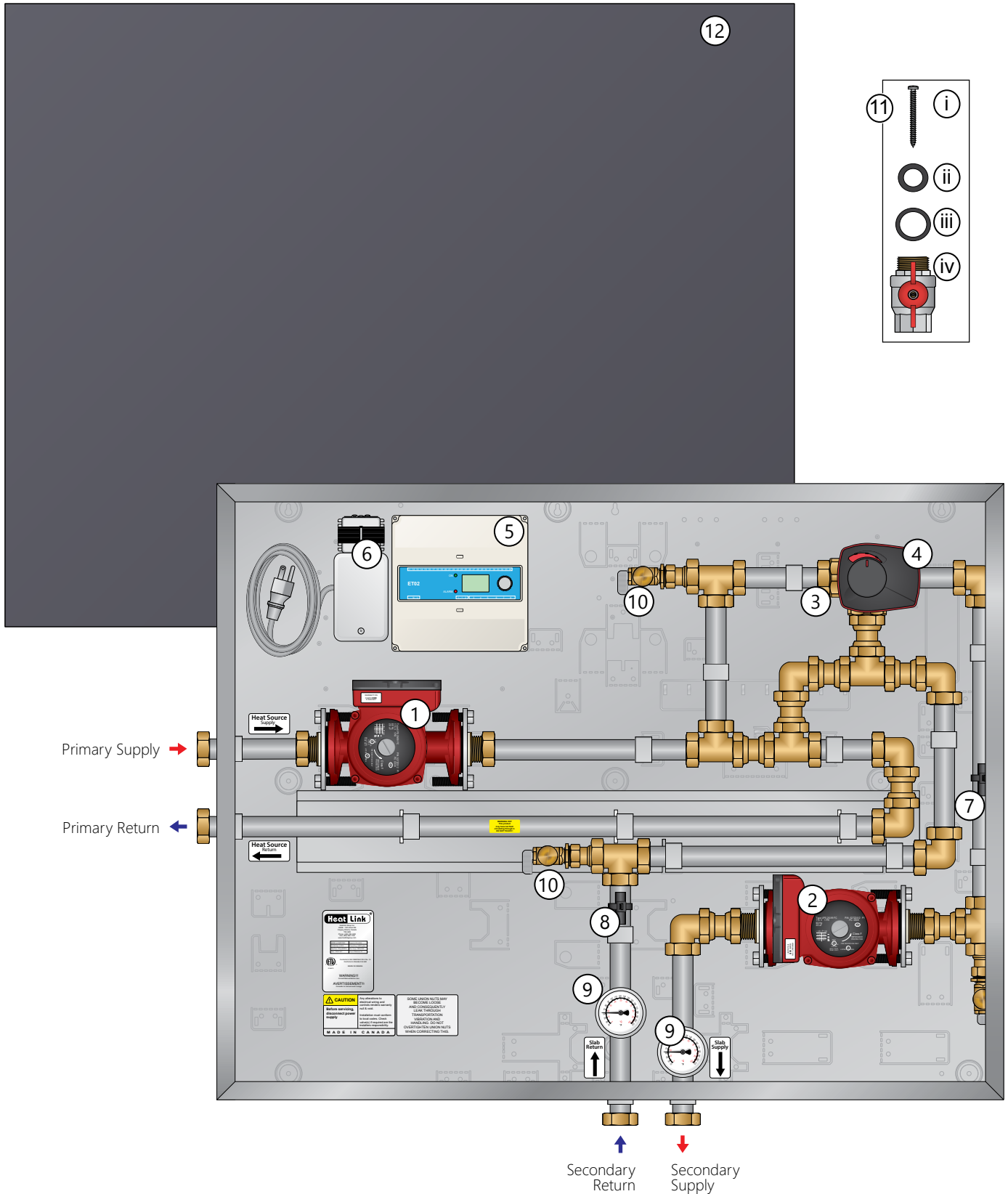
*Note: When ordering, please include a copy of the completed submittal.*

**Standards / Listings**

CAN/CSA-C22 No.14  
 UL508 cETLus

Panel Output Conditions	SMP375SS	SMP375SSH
Fluid type	50% Glycol	50% Glycol
ΔT (°F)	40°F	40°F
Flow rate (US gpm)	20 US gpm	25 US gpm
Allowable pressure drop outside of panel (ft head)	10 ft	18 ft

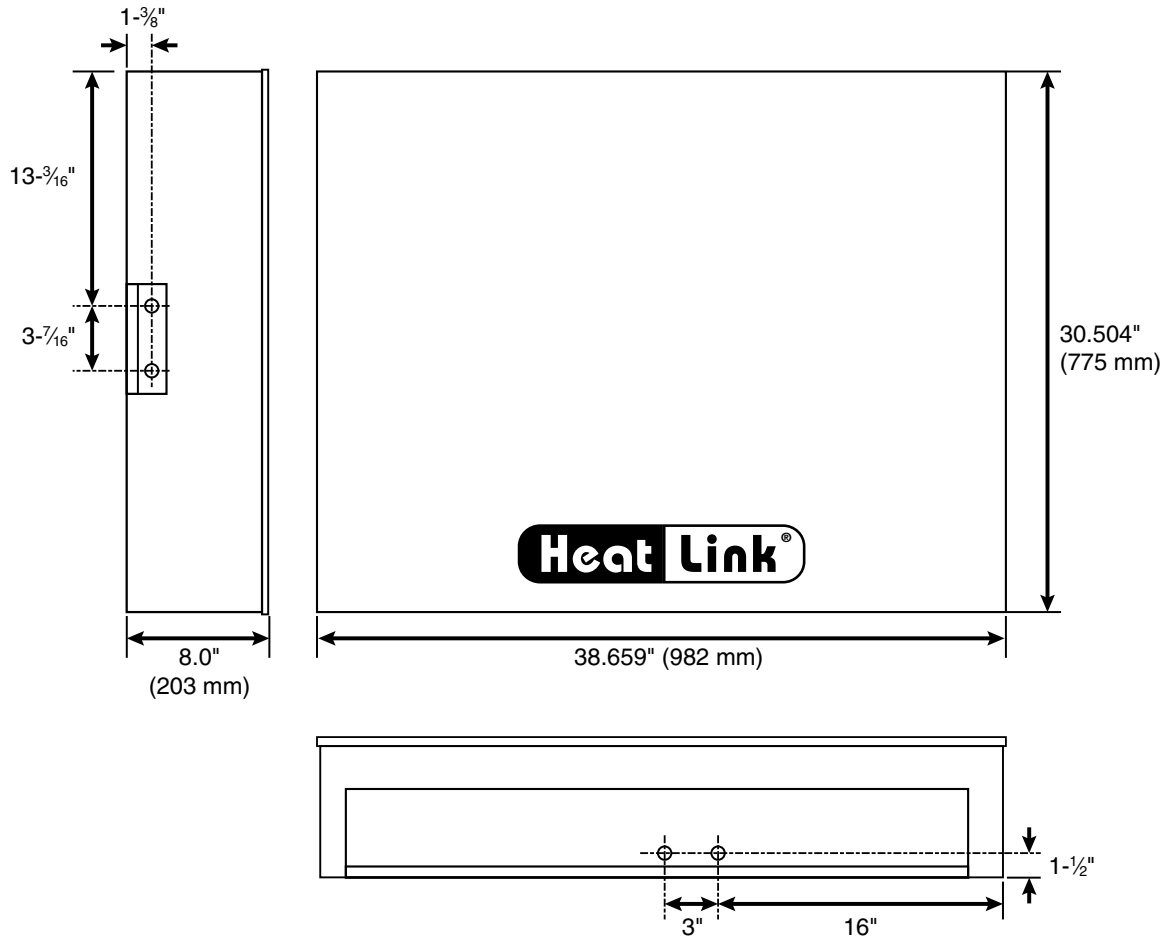
Panel Diagrams



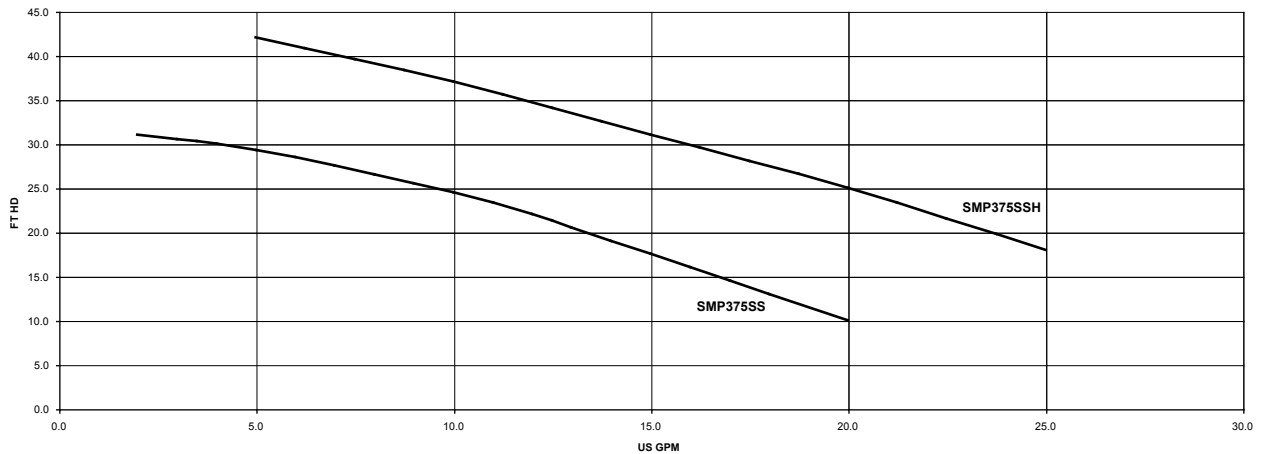
Panel Components

#	Components	Component Description	Stock Number (Qty.)	
			SMP375SS	SMP375SSH
1	Primary pump	Moves the heated fluid through the panel for mixing when there is a call for heat from the system controller.	PUMP2699	
2	Secondary pump	Moves the heated fluid through the system when there is a call for heat from the system controller.	PUMP2699	PUMP26150
3	1¼" Mixing valve (hidden)	3-way brass mixing valve regulates the temperature in the hydronic system with the help of the electric motor actuator and system controller.	63539	
4	DDC mixing valve motor	Mounted to the control valve and moves the valve appropriately to allow the heated fluid to enter. Works in conjunction with the system controller.	58132	
5	Snow melt control	The system controller regulates the panel operation.	ETO2SMCNTR	
6	24V transformer	Coverts power for the Snow Melt Control.	n/a	
7	Supply sensor	Temperature sensor on the system return piping.	ETF1899ASNS	
8	Return sensor	Temperature sensor on the system supply piping.	ETF1899ASNS	
9	Thermometer	Shows system temperature.	n/a	
10	Drain and fill valve	Used during fill and purge.	n/a	
11	Cover	Powder-coated	n/a	
12	Accessory pack			
	i Mounting screw	Panel mounting screws.	(×4)	(×4)
	ii ¾" Nitrile washer	Washers for installation of ¾" isolation valves, plus (4) spares.	NTRWSH34 (×6)	NTRWSH34 (×6)
	iii 1" Nitrile washer	Spare washers (2) for pumps.	NTRWSH1 (×6)	NTRWSH1 (×6)
	iv 1" Isolation valve	Zone valve used to isolate the panel from the system during fill & purge, and maintenance.	(×4)	(×4)

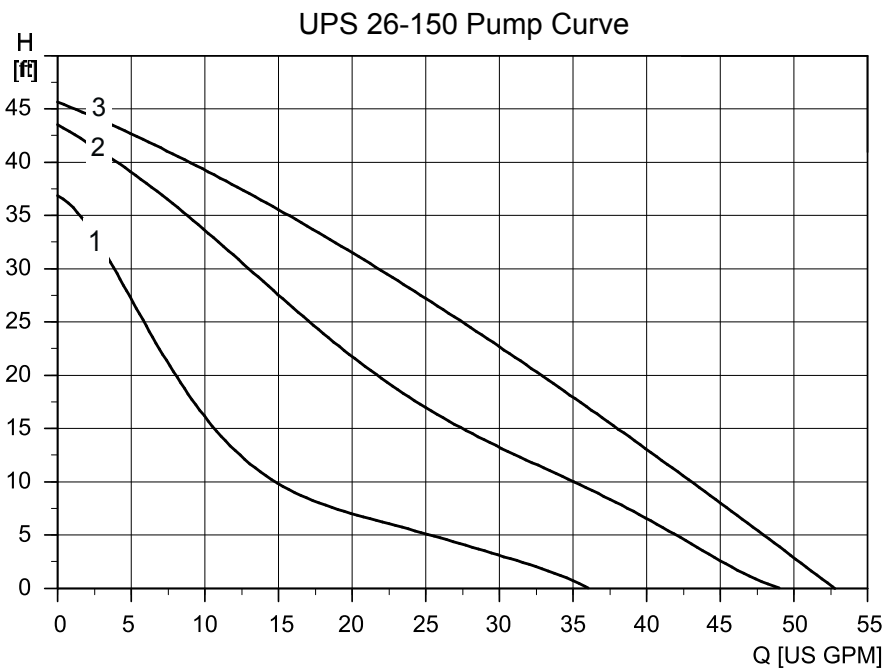
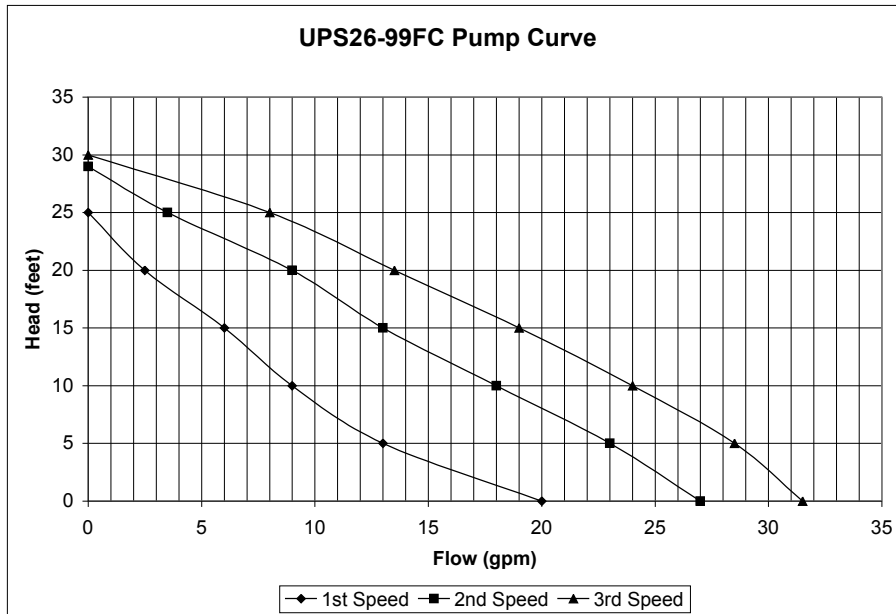
Panel Dimensions



SMP375SS and SMP375SSH FT HD Outside of Panel



**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 (L6SMP000SS)
- HeatLink Limited Heating Warranty