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 SMP375-680 and SMP375-680-H 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. 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 *see conditions below*	Primary Pump	Secondary Pump	Weight
	SMP375-680	300,000 Btu/hr	Ferrous, Grundfos UPS26-99FC	Ferrous, Grundfos UPS26-99FC	75 lb (34.1 kg)
	SMP375-680-H	375,000 Btu/hr	Ferrous, Grundfos UPS26-99FC	Ferrous, Grundfos UPS26-150FC	80 lb (36.4 kg)

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

Panel Output Conditions	SMP375-680	SMP375-680-H
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

Technical Data

	Specifications
Max ambient temperature	120ºF (49ºC)
Max water temperature	200ºF (93ºC)
Max operating pressure	125 psi (862 kPa)
Temperature control method	3-way mixing valve with floating action mixing motor
Mixing valve size	1¼"
Mixing valve Cv	11.6
Temperature control range	50-180ºF (10-82ºC)
Power supply	Hard-wired, requires shut off switch for maintenance/repairs, 15 Amp, 120V, 60Hz, single phase
Auxiliary terminal	1
Piping	1" 304SS Tubing
Piping connections	¾" and 1" FNPT
Material - backplate	16 Gauge galvanized steel
Material - enclosure	Powder coated steel

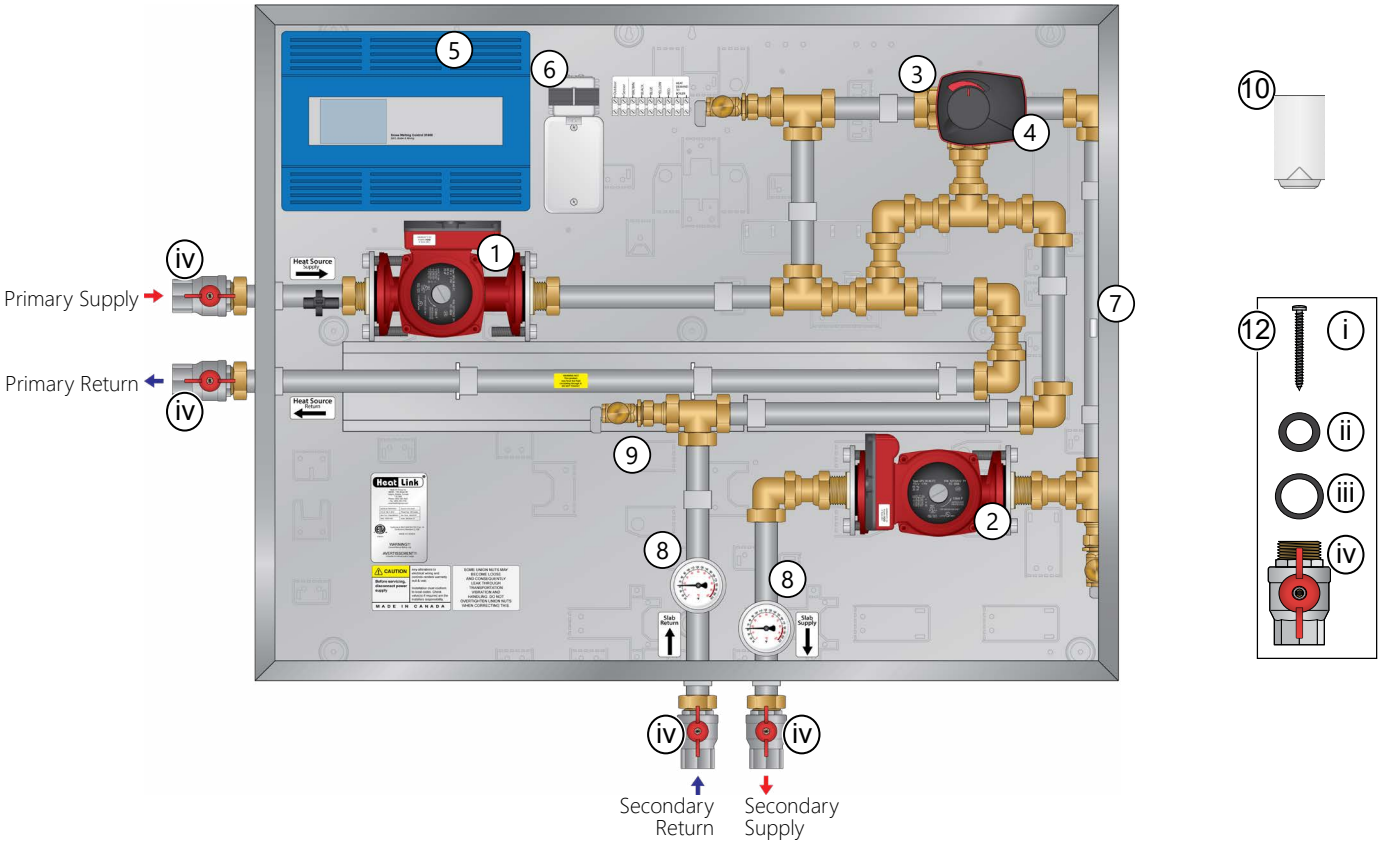
Standards / Listings

CAN/CSA-C22 No.14

UL508 cETLus

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Panel Diagrams



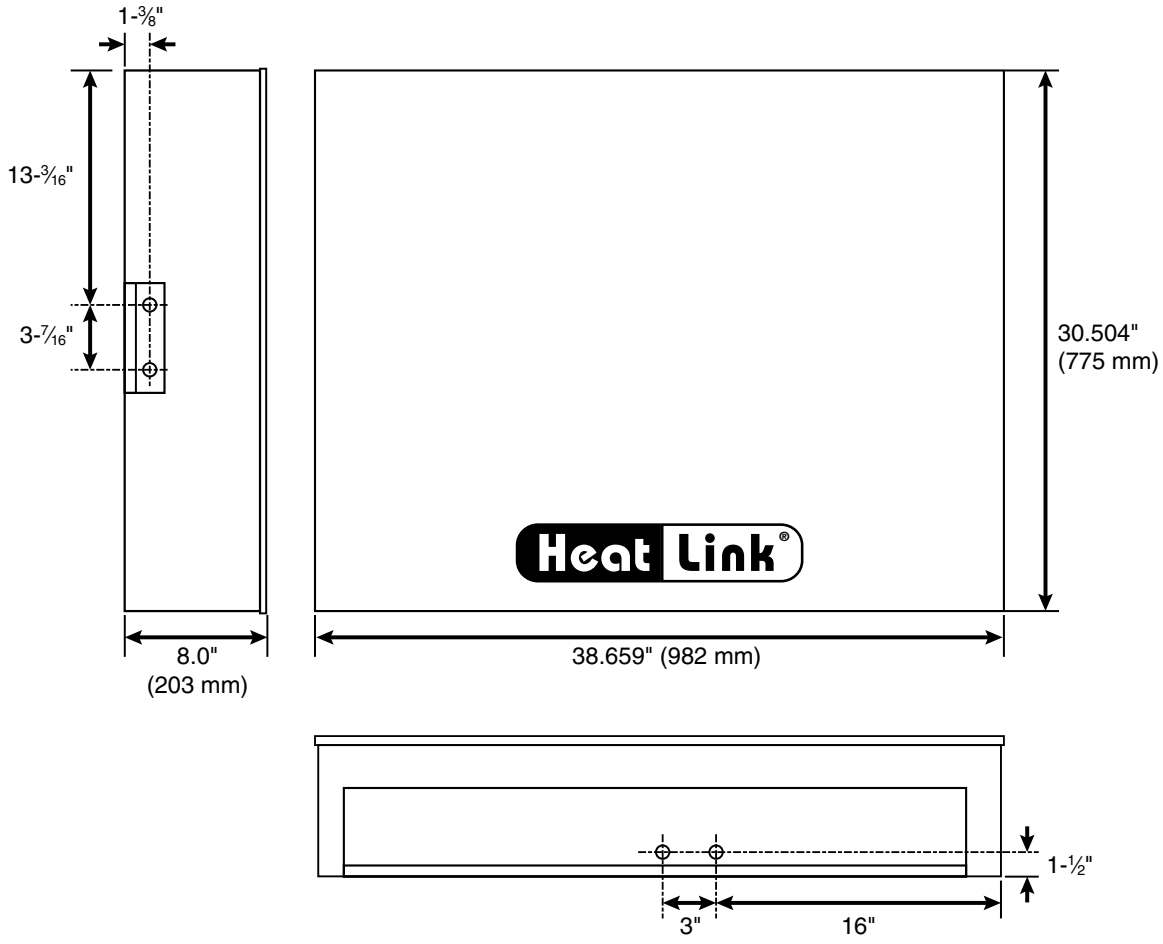


Panel Components

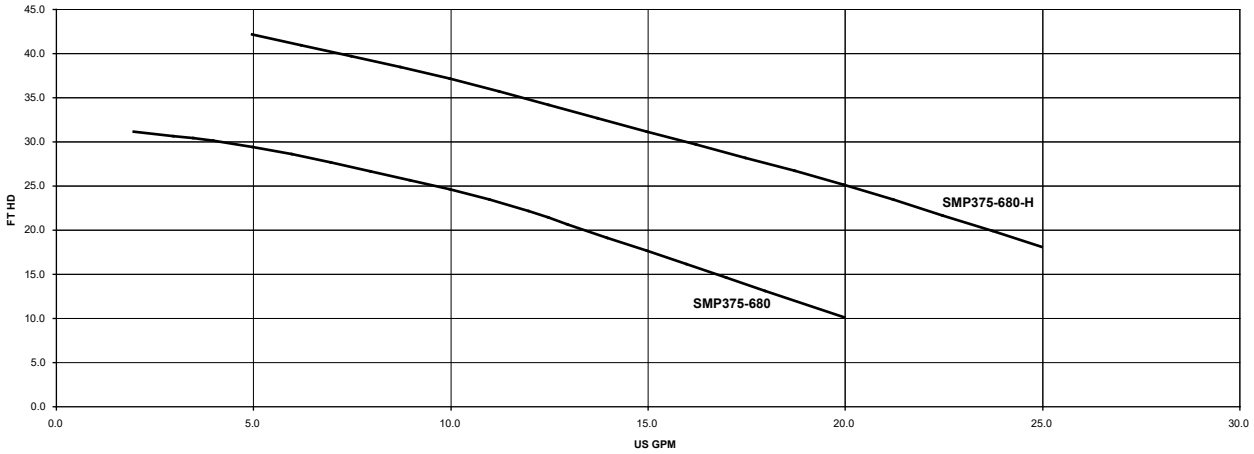
1. Primary Pump
2. Secondary Pump
3. 1¼" Mixing valve (hidden)
4. DDC Mixing Valve Motor
5. Snow Melt Control
6. 24V Transformer
7. Supply Sensor
8. Thermometer
9. Drain and Fill Valve
10. Outdoor Sensor (#30070)
11. Cover
12. Accessory Pack
    - i Mounting Screw
    - ii ¾" Nitrile washer
    - iii 1" Nitrile washer
    - iv 1" Isolation valve (shown installed)

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Panel Dimensions

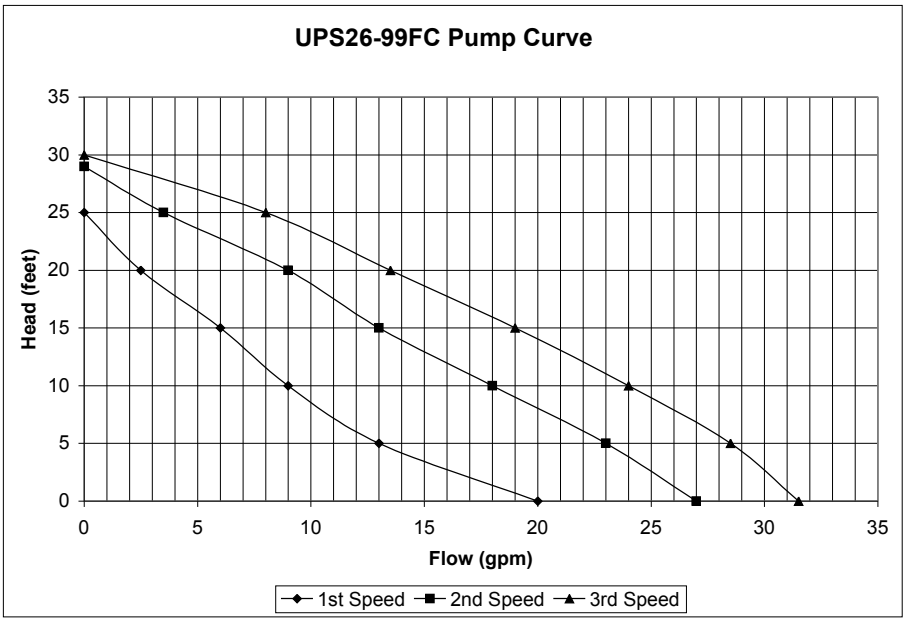


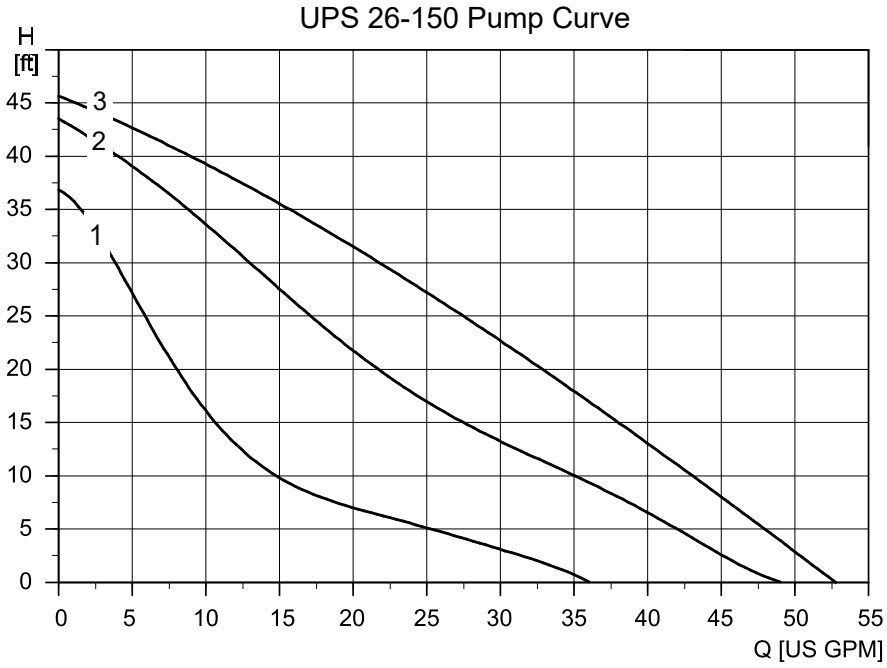
SMP375-680 and SMP-680-H FT HD Outside of Panel



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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 (L6SMP375-680)
- HeatLink Limited Heating Warranty

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