Job or Customer :	
Location :	
Engineer :	
☐ Complies with Spec ☐ Alternate	Notes :
Contractor :	
HeatLink Rep :	
Submitted By :	Date :
Approved By :	Date :
P.O. Number :	Date :

Description

These Snow Melt Panels are operation centers for fully automatic snow melt systems. They are intended for snow melt systems with non-dedicated heat sources, therefore heat exchangers are included to separate the primary loop water from the secondary loop glycol mixture. 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	Primary Circulator	Secondary Circulator	Heat Exchangers	Weight
	SMP175-680-HEX	175,000 Btu/hr	Ferrous, Grundfos UPS26-99FC	Ferrous, Grundfos UPS26-99FC	2× Single-wall brazed plate; FP3×8-20	93.5 lb (42.5 kg)
	SMP300-680-HEX	300,000 Btu/hr	Ferrous, Grundfos UPS26-99FC	Ferrous, Grundfos UPS26-99FC	2× Single-wall brazed plate; FP3×8-30	
	SMP300-680-HEX-H	365,000 Btu/hr	Ferrous, Grundfos UPS26-99FC	Ferrous, Grundfos UPS26-150FC	3× Single-wall brazed plate; FP3×8-30	
	SMP300-680-HEX-HH	365,000 Btu/hr	Ferrous, Grundfos UPS26-150FC	Ferrous, Grundfos UPS26-150FC	3× Single-wall brazed plate; FP3×8-30	

Panel Output Conditions	SMP175SS-680-HEX		SMP300SS-680-HEX		SMP300SS-680-HEX-H		SMP300SS-680-HEX-HH	
	Primary	Secondary	Primary	Secondary	Primary	Secondary	Primary	Secondary
Fluid type	Water	50% glycol	Water	50% glycol	Water	50% glycol	Water	50% glycol
Entering fluid temp (°F)	185.0	110.0	185.0	110.0	182.0	110.0	182.0	110.0
Exiting fluid temp (°F)	155.0	141.2	155.0	143.7	152.0	142.8	152.0	142.8
Flow rate (US gpm)	12.0	12.6	20.6	20.0	24.9	24.9	24.9	24.9
Headloss	4.1	–	7.0	–	2.5	–	2.5	–
Allowable pressure drop outside of panel (ft head)	–	18	–	10	–	20	–	20

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 diverting 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

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

Standards / Listings

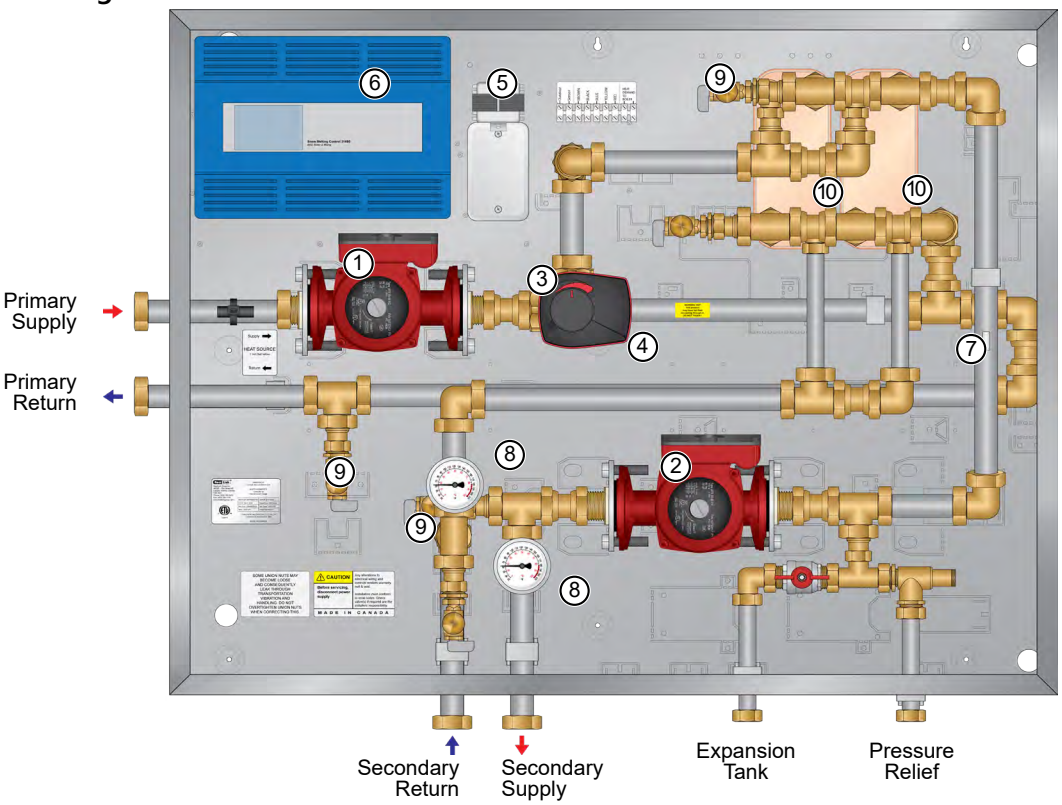
CAN/CSA-C22 No.14, UL508

cETLus

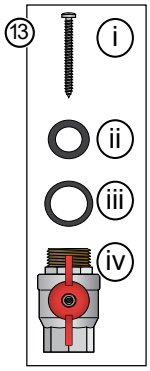
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Panel Diagrams







Panel Components

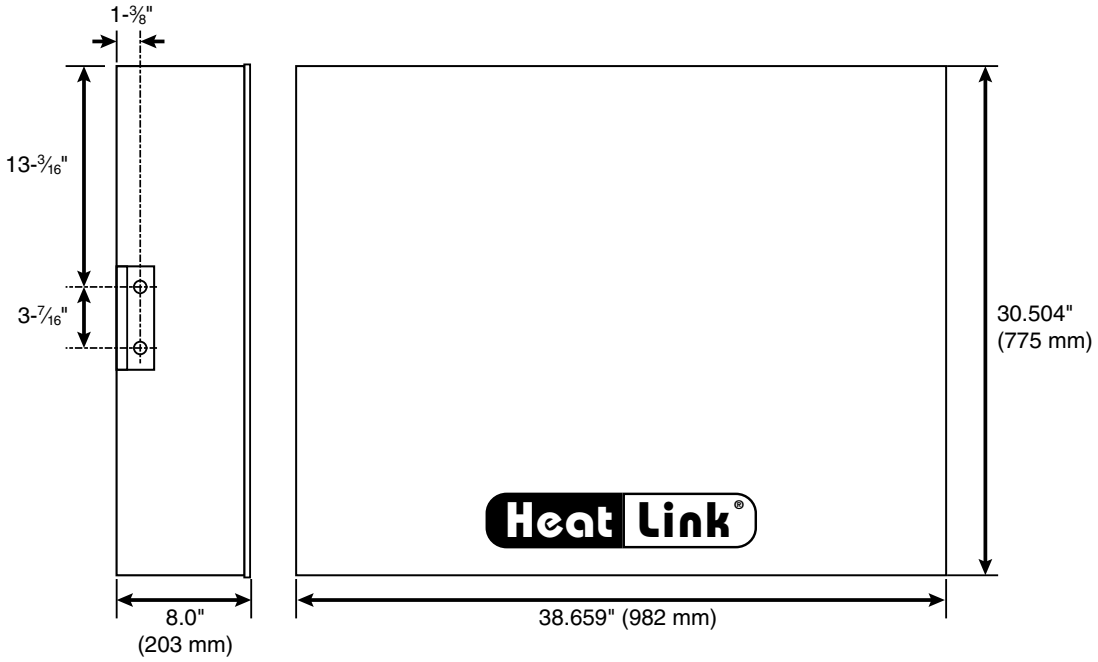
1. Primary Pump
2. Secondary Pump
3. 1¼" Mixing valve (hidden)
4. 3-way Mixing Valve with Floating Action Motor
5. Snow Melt Control
6. 24V Transformer
7. Supply Sensor
8. Strap-on Thermometer
9. Drain and Fill Valve
10. Heat Exchanger
11. Outdoor Sensor (#30070)
12. Cover
13. Accessory Pack
    - i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

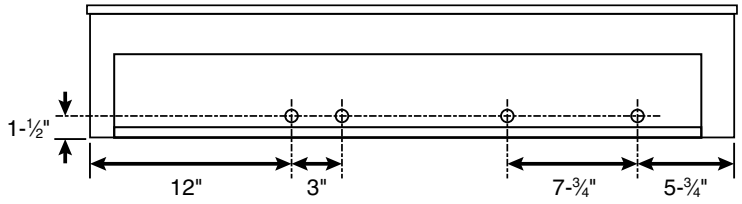


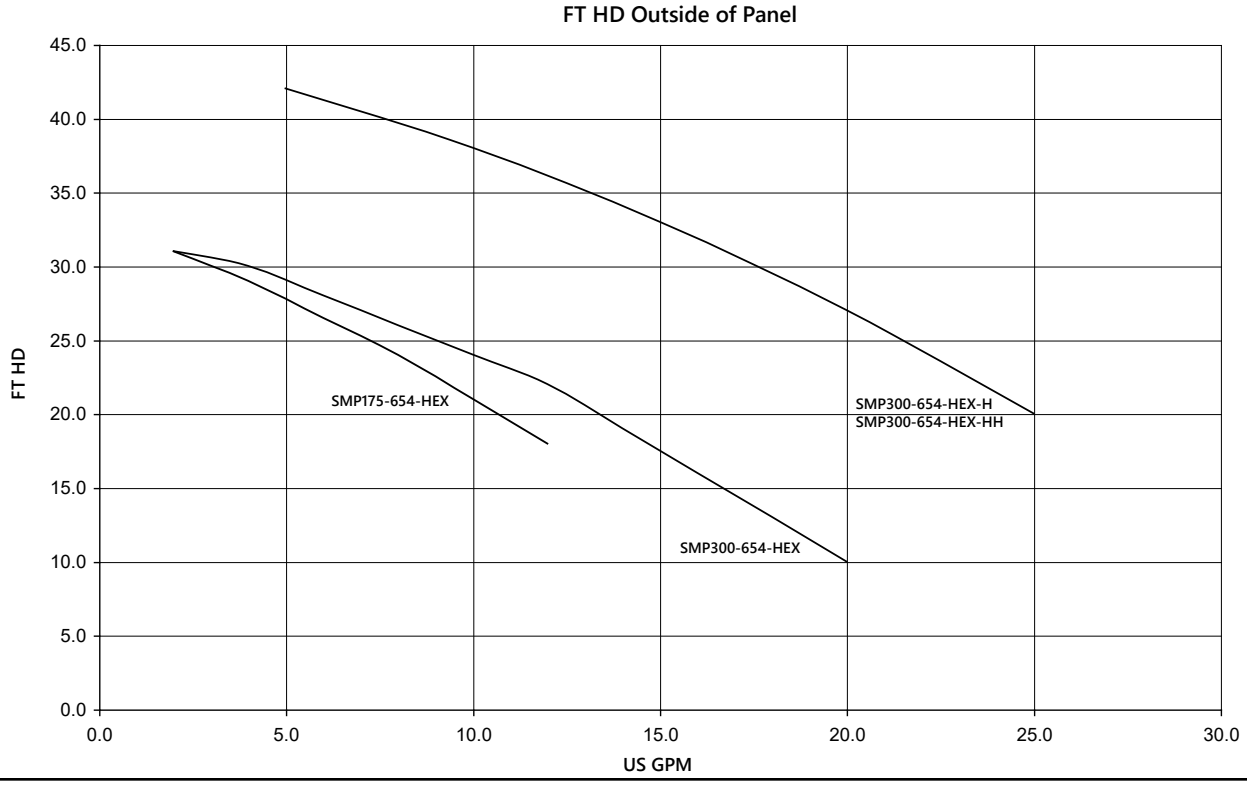
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Panel Dimensions

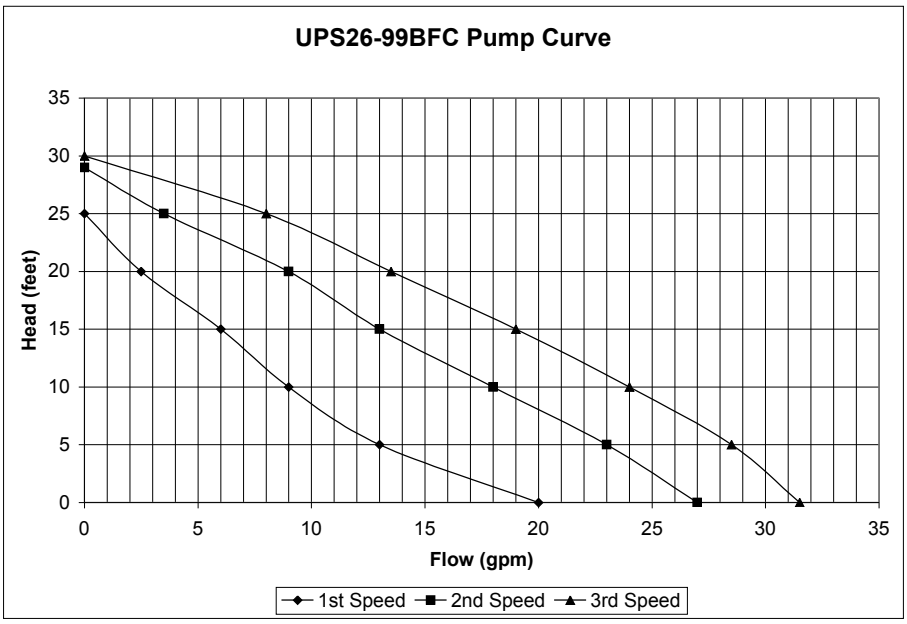


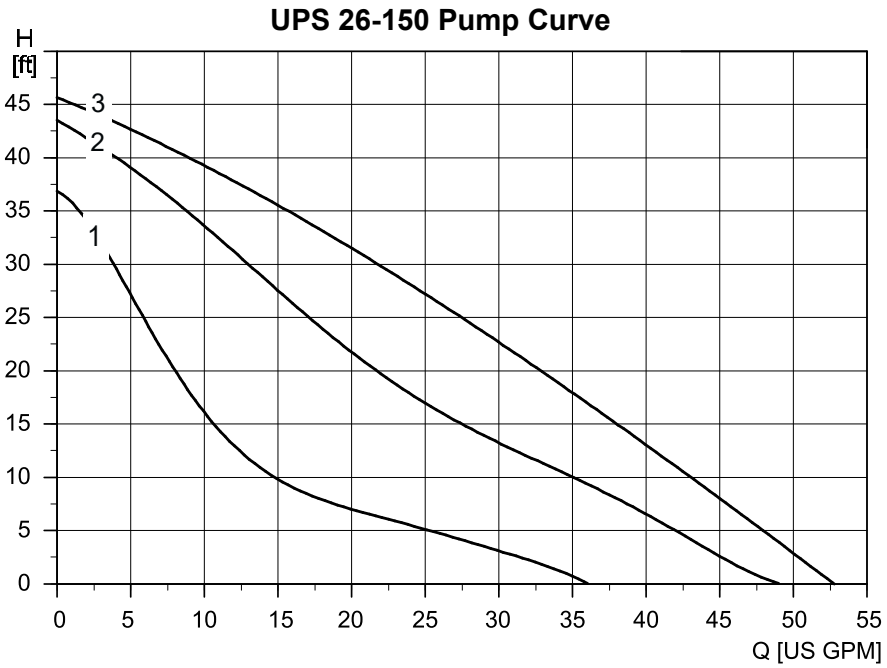




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Pump Curves





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 (L6SMP000-680-HEX)
- HeatLink Limited Heating Warranty

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