

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 SMP375-654 and SMP375-654-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 30654 snow melt control 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
	SMP375-654	300,000 Btu/hr	Ferrous, Grundfos UPS26-99FC	Ferrous, Grundfos UPS26-99FC	75 lb (34.1 kg)
	SMP375-654-H	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 #31680 Snow/Ice Detector and Melt Control (see SUB31680)

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

Panel Output Conditions	SMP375-654	SMP375-654-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

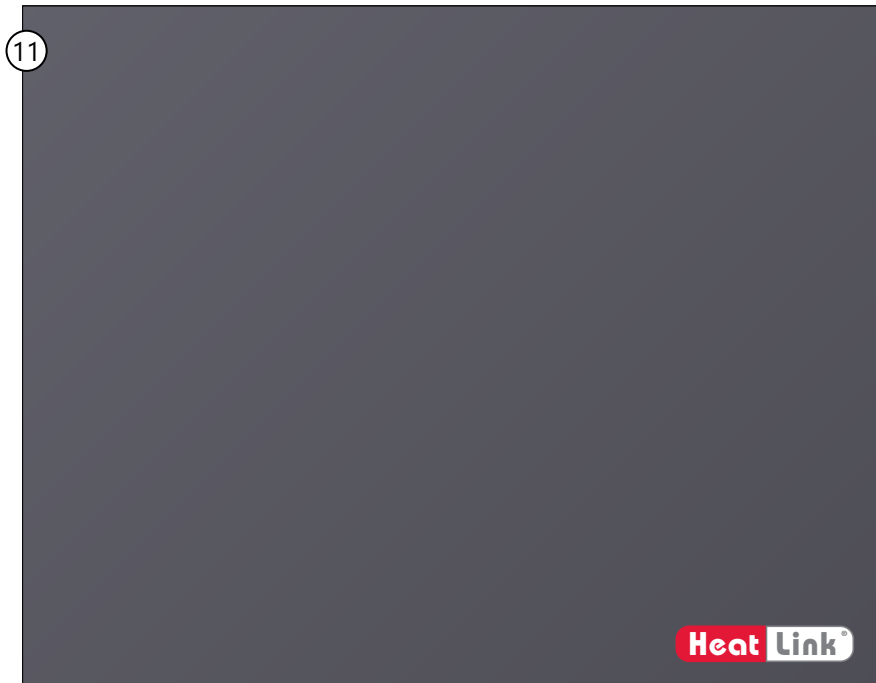
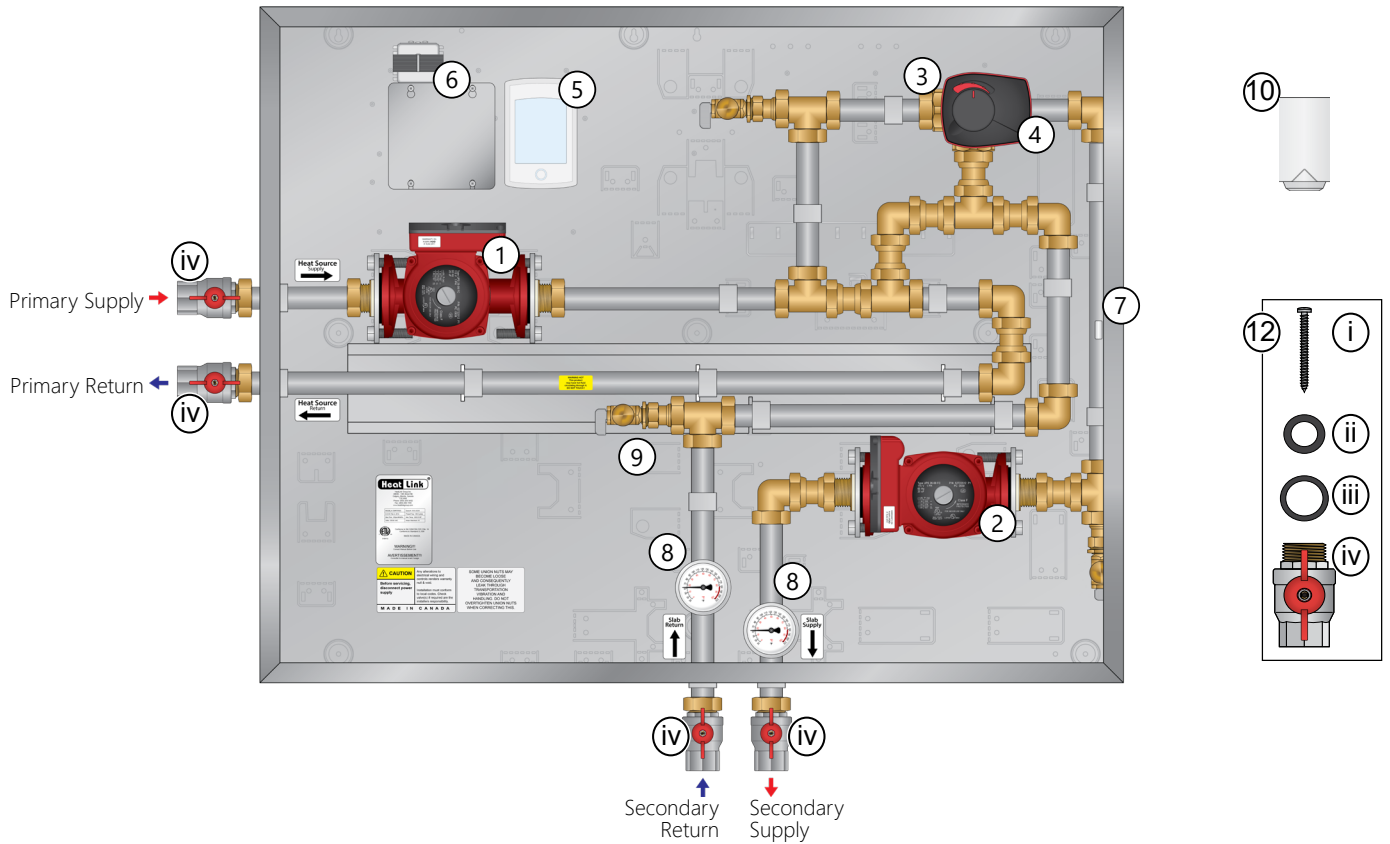
### Technical Data

	Specifications
Max ambient temperature	120°F (49°C)
Max water temperature	200°F (93°C)
Max operating pressure	125 psi (862 kPa)
Temperature control method	3-way mixing valve with DDC motor
Mixing valve size	1¼"
Mixing valve Cv	11.6
Temperature control range	50-180°F (10-82°C)
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

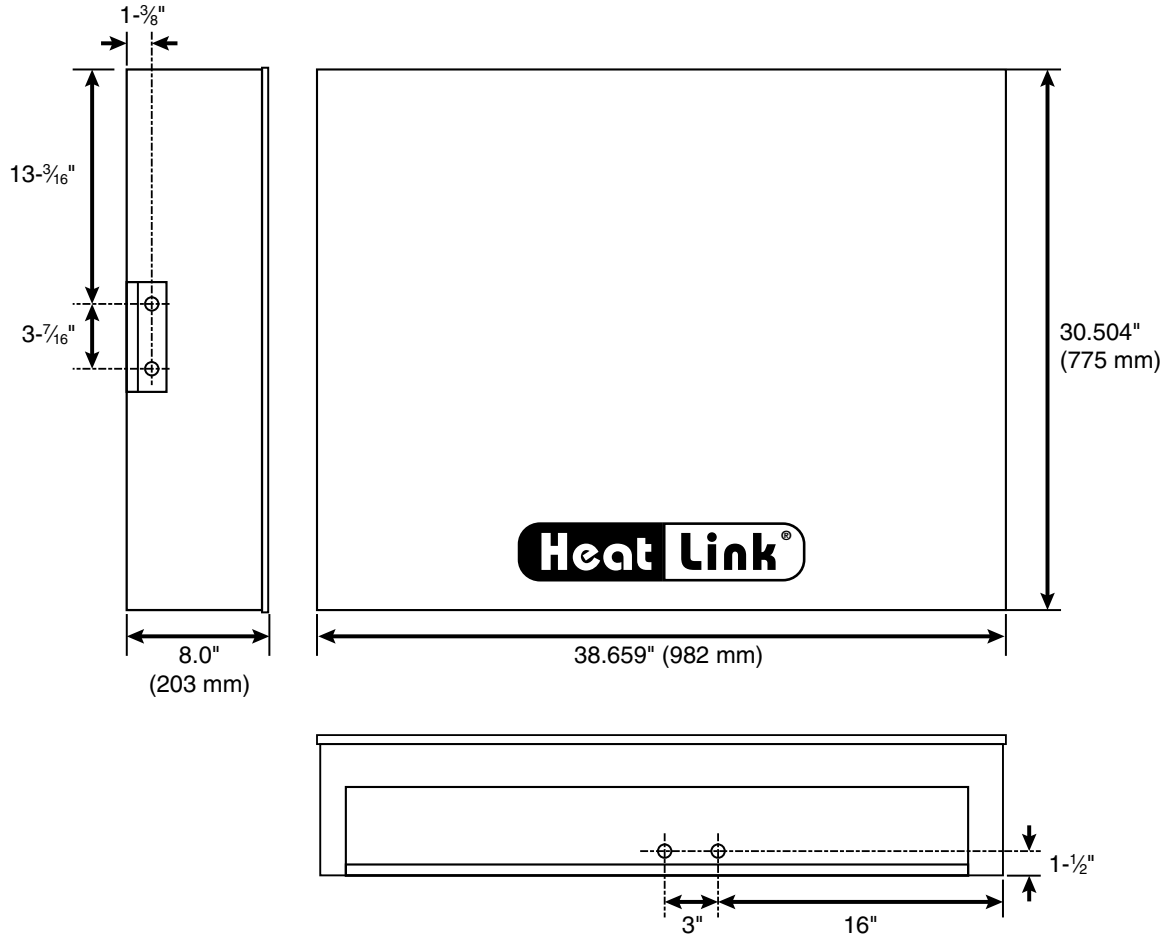
**Panel Diagrams**



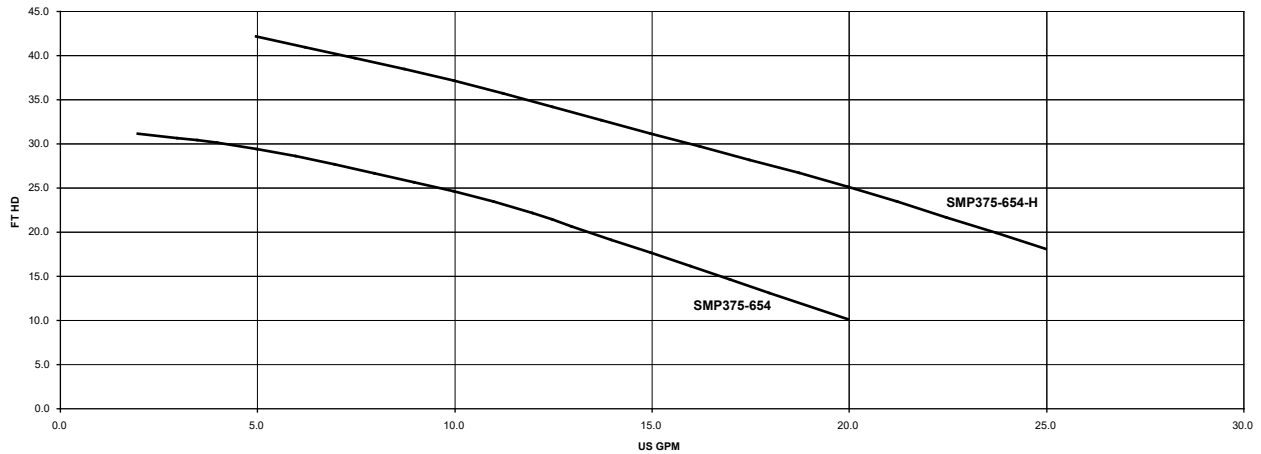
**Panel Components**

- ① Primary Pump
- ② Secondary Pump
- ③ 1 1/4" 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
  - ⓪ Mounting Screw
  - Ⓛ 3/4" Nitrile washer
  - Ⓜ 1" Nitrile washer
  - Ⓨ 1" Isolation valve (shown installed)

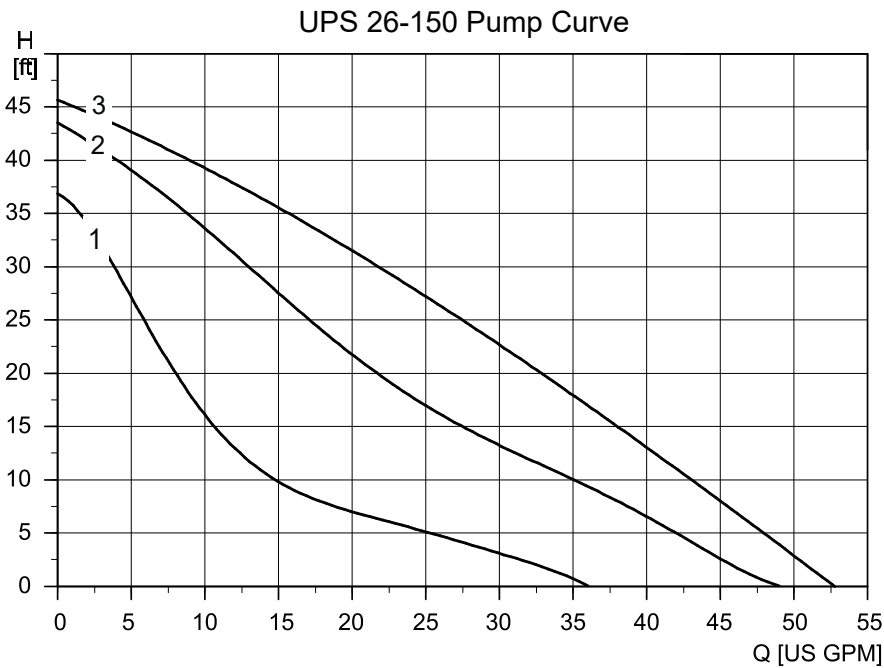
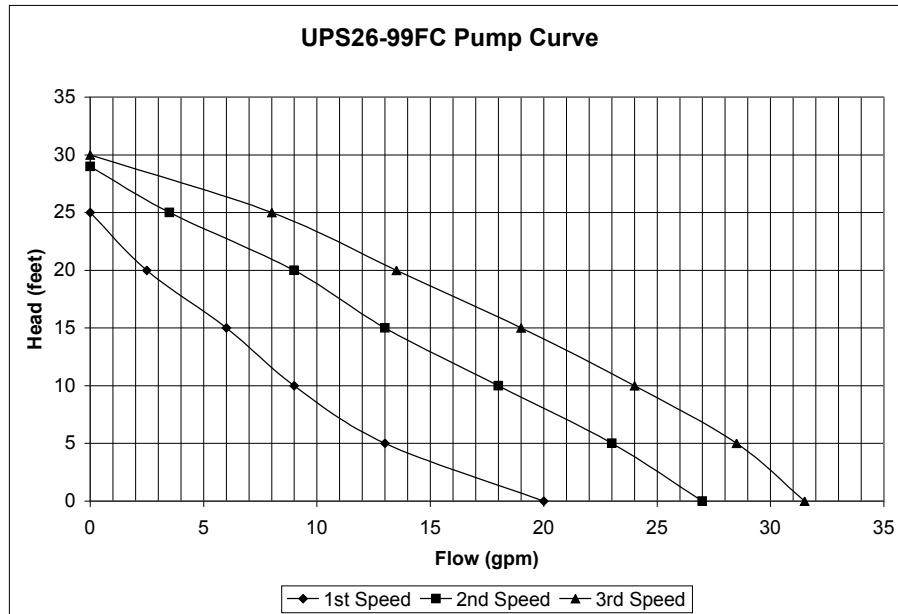
**Panel Dimensions**



**SMP375-654 and SMP375-654-H 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 (L6SMP375-654)
- HeatLink Limited Heating Warranty