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

Description

SST series panels are distribution panels with their own pump and mixing valve to supply radiant areas that each need a different supply water temperature. Typical applications include radiant heating and snow melting.

Base components:

- Recessed or surface mounted housing with one key lock and coin lock(s)
- Pre-wired UPS 15-58 or UPS 26-99 pump
- Mixing valve
- Top or bottom mains feed available
- Isolation valves
- Thermometer
- Manifold comes with 1 loop closed and plugged with manifold caps (#77100) unless all loops in use

For one and two loop applications, a 4-loop manifold is used with the unrequired loops valves closed and capped (#77100).

Additional #77100 caps, and #77100 and #EX77300 series tubing to manifold connectors *sold separately*.

Technical Data

	Specifications
Min operating temperature	36ºF (2ºC)
Max operating temperature	212ºF (100ºC)
Max operating pressure	87 psi (600 kPa)
Power supply	120/24 V(ac)
Piping	¾" 304SS Tubing
Piping connections	1" FNPT
Material - manifold	Stainless steel
Material - backplate	16 Gauge galvanized steel
Material - enclosure	16 Gauge satin coated steel

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

Conforms to UL STD 508A
Certified to CSA STD C22.2#286

Intertek
5038301

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Panel Selection

Use the tables below to select the required SST configuration and generate SKU for ordering. Multiple configurations require additional submittals. See pages 3-6 for component details.

Note: *Availability of component options is context-based. See footnotes for compatibility limitations.*

1. PANEL SERIES			
CODE	**DESCRIPTION**		**SELECT**
SSTV	UPS 15-58	TMV Cv=3.7	○
SSTS	UPS 15-58	3-way Cv=3.25	○
SSTM	UPS 15-58	3-way Cv=7.3	○
SSTL	UPS 26-99		○
2. HOUSING			
R	Recessed - Satin/Galvanized		○
A	Recessed - Satin/Galvanized, extended[1]		○
B	Recessed - Stainless Steel		○
C	Recessed - Stainless Steel, extended[1]		○
S	Surface - Satin/Galvanized		○
D	Surface - Satin/Galvanized, extended[1]		○
E	Surface - Stainless Steel		○
F	Surface - Stainless Steel, extended[1]		○
3. MANIFOLD			
1	75100 w/flow meters		○
2	75200 high flow		○
4. MAINS FEED			
T	Top Feed		○
B	Bottom Feed		○
6. MANIFOLD ADD-ONS			
N	None (Default)		◉
A	Pressure Bypass (76945)		○
B	Side Mount Auto Air Vent (76944)		○
C	Bypass (76945) + Auto Air Vent (76944)		○

5. CONTROLS		
CODE	**DESCRIPTION**	**SELECT**
A	Pump Contacts	
B	StatLink (#40414) w/Pump Relay (optional Actuators #56201)[3]	
C	Pump contacts w/Thermostatic Head (#57094)	
D	StatLink (#40414) w/Pump Relay, Thermostatic Head (#57094) (optional Actuators #56201) [3]	
E	BMS Wiring w/DDC Actuator (#56121)	
M	BMS Pump Relay w/DDC actuator (#56121)	
N	BMS wiring w/DDC Actuator (#56121), StatLink (optional actuators #56201) [3]	
H	Snow Melt Control (#30654) w/DDC Actuator (#56121) [4,5]	
F	BMS Wiring w/DDC Mixing Valve Motor (#58132)	
P	BMS Pump Relay w/DDC Mixing Valve Motor (#58132)	
Q	BMS Wiring w/DDC Mixing Valve Motor (#58132) and StatLink (optional Actuators #56201) [3]	
G	Indoor/Outdoor Reset (#30360) w/Floating Action Mixing Valve Motor (#58131), StatLink (#40414) (optional Actuators #56201) [3]	
J	Snow Melt Control (#30654) w/DDC Mixing Valve Motor (#58132) [5]	

1. *Extended height housings available by special order. Please allow additional time for delivery.*
2. *SSTS and SSTV panel series with 75200 series manifolds are limited to 6 loops.*
3. *Thermostats sold separately. Please include a copy of the "Heating System Summary Report" from LoopCAD or equivalent table showing the # of zones and # of actuators per zone.*
4. *75200 series manifold only up to 6 loops.*
5. *Snow melt controls only available with 75200 series manifolds. Snow/Ice Detector 30090/30091 sold separately.*

Panel SKU - use this for ordering

Panel SKU generates here as options are selected.
Subject to review by HeatLink staff before order is finalized.

Note: *Zoning only applicable for StatLink controls. Input # of Zones then QTY-Actuators to auto generate QTY-StatLink Modules.*

1. PANEL SERIES	2. HOUSING	3. MANIFOLD	LOOPS (MAX ZONES)	4. MAINS FEED	5. CONTROL		6. MANIFOLD ADD-ONS	PIPING ADD-ONS (n/a)	QTY-STATLINK MODULES[3]	QTY-ACTUATORS[3]	# of ZONES	PANEL QTY	NOMINAL OUTPUT	NOMINAL FLOW
			04		-		N	N	0	00			Btu/hr	USgpm @ 20°F ΔT
			06		-		N	N	0	00			Btu/hr	USgpm @ 20°F ΔT
			08		-		N	N	0	00			Btu/hr	USgpm @ 20°F ΔT
			10		-		N	N	0	00			Btu/hr	USgpm @ 20°F ΔT
			12		-		N	N	0	00			Btu/hr	USgpm @ 20°F ΔT

Additional Notes:

CLEAR FORM

GENERATE SUMMARY PAGE

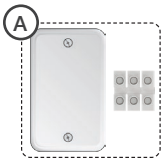
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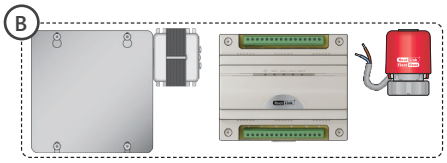
Controls

All controls include an electrical junction box for 120V wiring, and relay(s) (if applicable).
Control options (excluding (B), (D), (G)) include a terminal strip for applicable external control connections. *Illustrations are representative and may differ slightly from actual control.*
See control manuals for wiring and connection details.

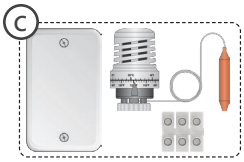
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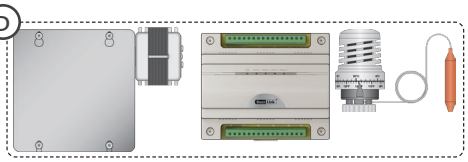
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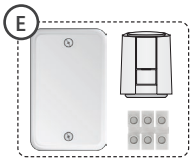
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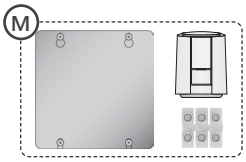
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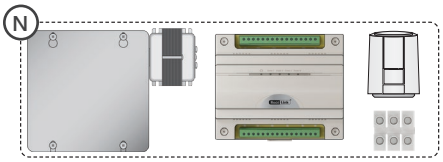
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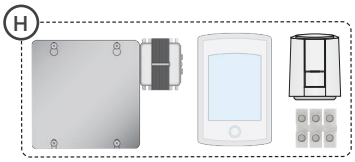
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N



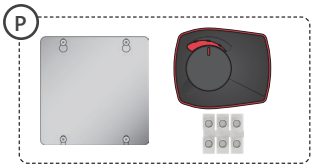
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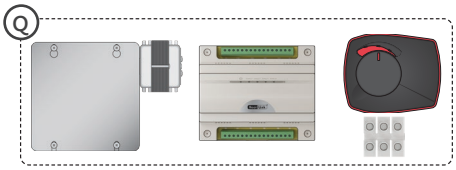
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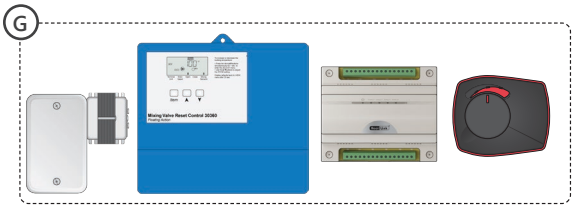
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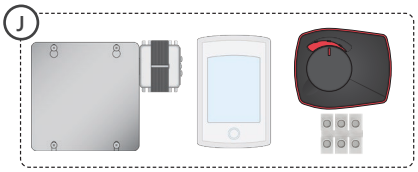
Q



G

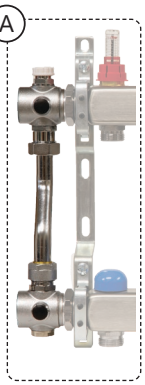


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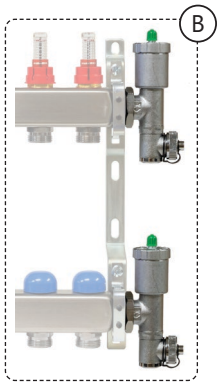


Manifold Add-Ons

A

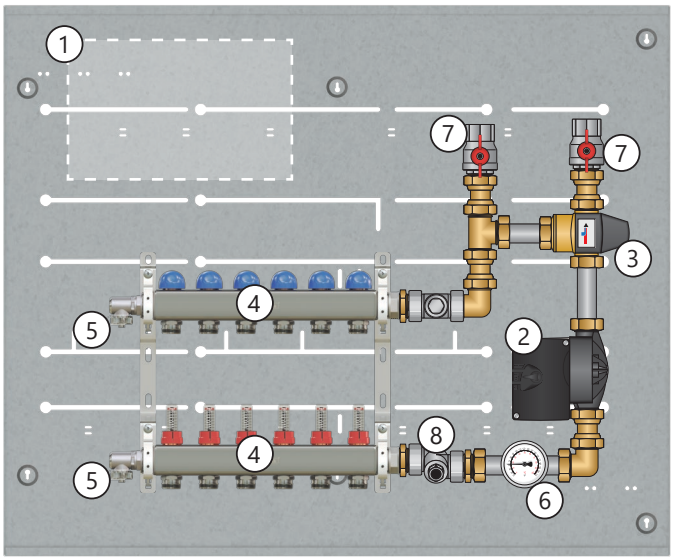


B

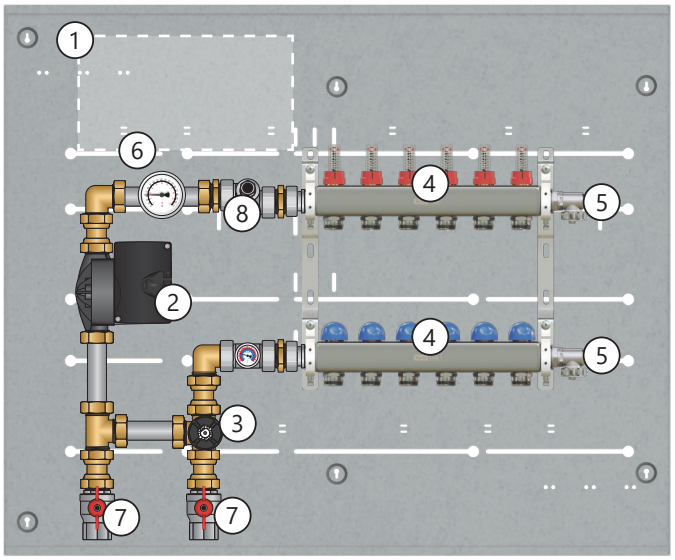


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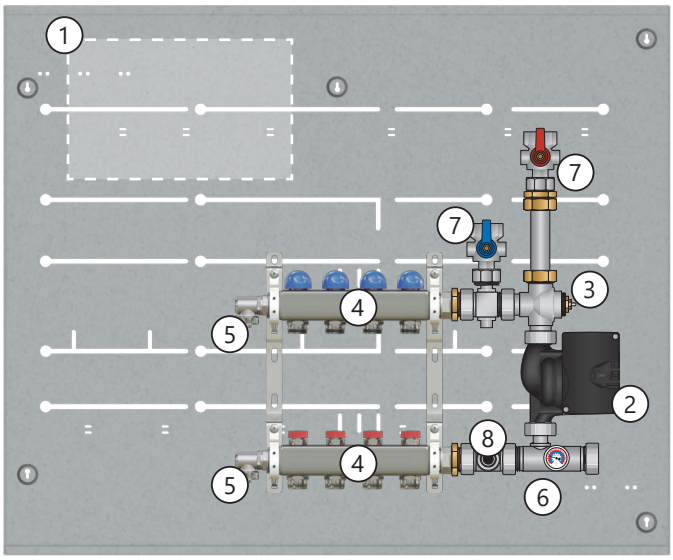
Panel Components



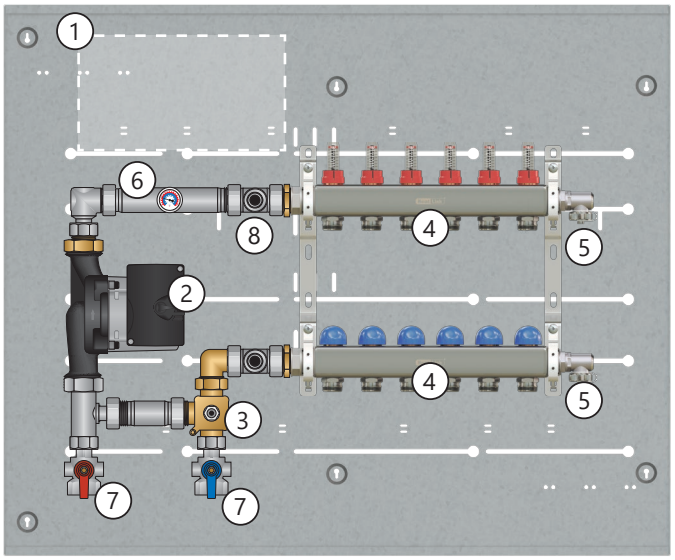
SSTV with UPS15-58, 75106 manifold, top feed mains



SSTM with UPS15-58, 75106 manifold, bottom feed mains

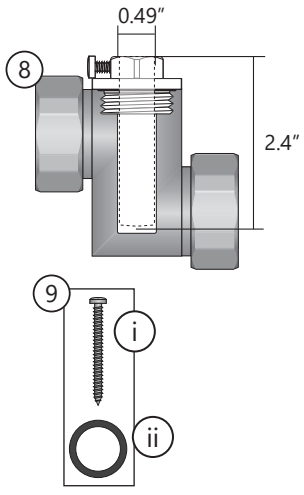


SSTS with UPS15-58, 75204 manifold, top feed mains



SSTL with UPS26-99, 75106 manifold, bottom feed mains

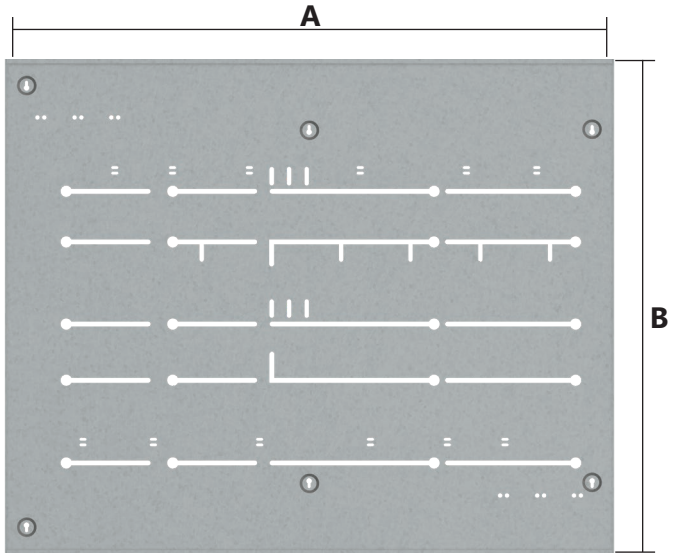
#	Components	Component Description			
		SSTV	SSTM	SSTS	SSTL
1	Controls location	Mounting location for selected controls			
2	Pump	UPS15-58			UPS26-99
3	Mixing Valve	TMV	3-way		
4	Manifold	Supply and return manifold with flow meters; one loop closed and plugged			
5	Hosebib	Allows for system fill and purge			
6	Thermometer	Displays supply water temperature			
7	1" FNPT ball valves	Isolates panel for servicing			
8	Sensor Well	Sensor well for supply sensor, when applicable controls selected.			
9	Accessory pack				
i	Mounting screws	For panel mounting			
ii	1" nitrile washers	Spare nitrile washers			



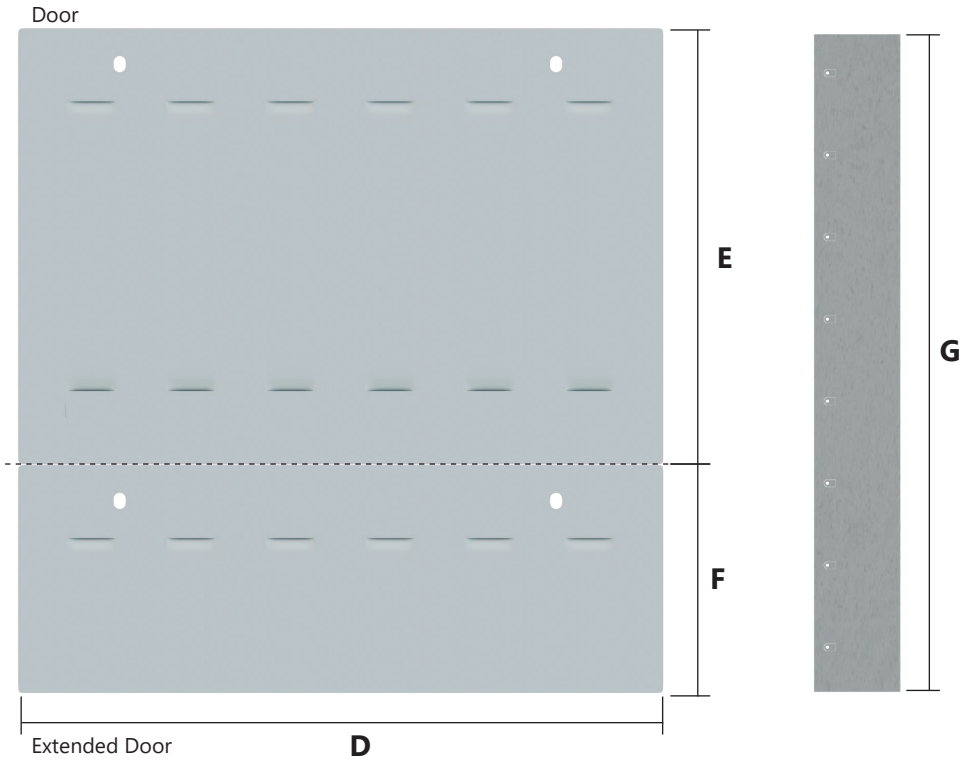
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Panel Dimensions

# of Loops	Enclosure			Surface Cover Dimensions		Recessed Cover Dimensions		Surface Ext. Cover	Recessed Ext. Cover	Extended Height	# of Locks	Addl. Locks - ext. cabinet
	A	B	C	D	E	D	E	F	F	G		
4-6 Loop	34 ½" (876 mm)	28 ½" (724 mm)	5 ⅞" (149 mm)	32 ⅞" (835mm)	26.9" (683mm)	36" (915mm)	30" (762mm)	16.4" (417mm)	16 ¾" (425 mm)	45" (1143 mm)	2	2
8-10 Loop	42 ½" (1080 mm)	28 ½" (724 mm)	5 ⅞" (149 mm)	40 ⅞" (1038mm)	26.9" (683mm)	44" (1118mm)	30" (762mm)	16.4" (417mm)	16 ¾" (425 mm)	45" (1143 mm)	2	2
12 Loop	46 ½" (1180 mm)	28 ½" (724 mm)	5 ⅞" (149 mm)	44 ⅞" (1140mm)	26.9" (683mm)	48" (1219mm)	30" (762mm)	n/a	n/a	n/a	3	n/a

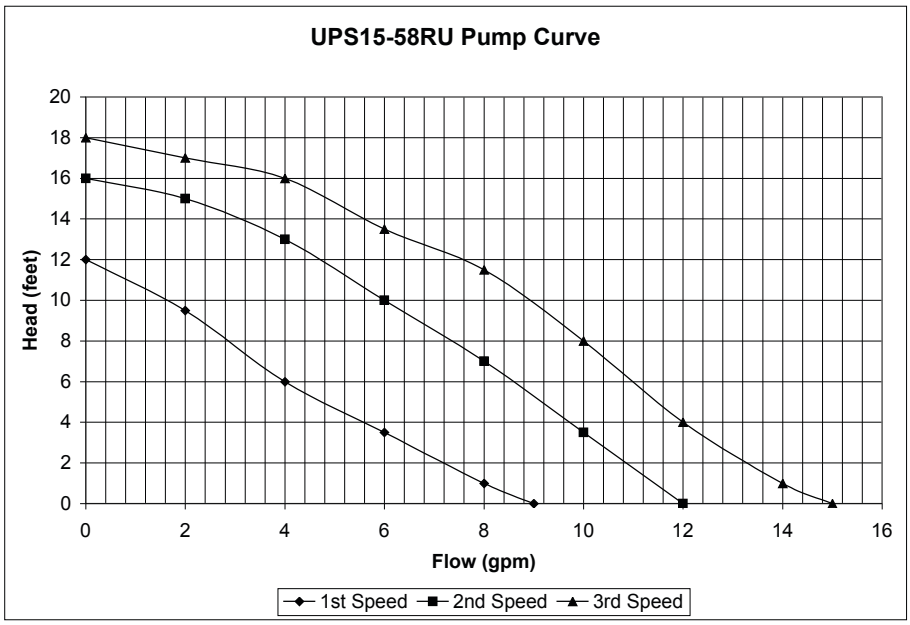


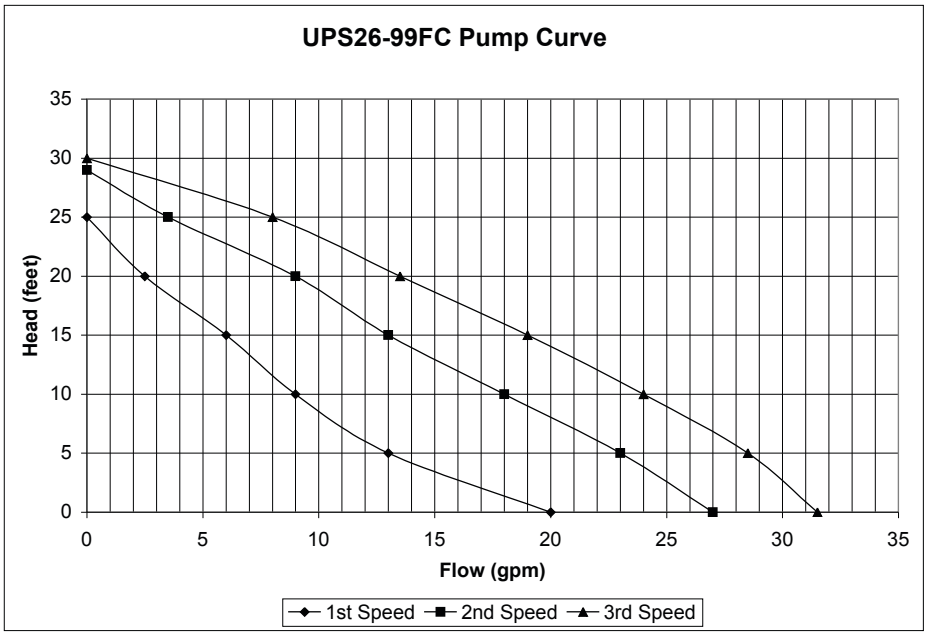




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Pump Curves





Installation

Installation must follow all of HeatLink's instructions and guidelines.

Maintenance

Maintenance must follow all of HeatLink's instructions and guidelines.

Related Documents

- SUB40414 StatLink Submittal
- SUB56200 Actuator Submittal
- SUB76944 Pressure Bypass Submittal
- SUB76945 Side Mount Auto Air Vent Kit Submittal
- Mechanical Installation, Operation, and Maintenance Manual (L6SST Series Mechanical Manual)
- HeatLink Limited Heating Warranty

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