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

Description

Panel includes a surface (visible parts are satin coated) with one key lock and one or two coin/screwdriver locks, stainless steel manifold with 2.5 US gpm circuit flow rate (76200 series), thermometer, isolation valves, 3-way diverting valve, and Grundfos 26-99 system pump. Mains piping to come from top. Electrical wiring openings on top. Manifold comes with 1 loop closed and plugged. 77100 series tubing to manifold connectors sold separately.

Qty	Stk. #	# of Loops	Nominal Output	Nominal Flow	Nominal Pressure Drop Outside of Panel
	SSTLS204T	4	100,000 Btu/hr	10 USgpm @ 20ºF ΔT	Based on 250' loops of ½" tubing
	SSTLS206T	6	150,000 Btu/hr	15 USgpm @ 20ºF ΔT	Based on 250' loops of ½" tubing
	SSTLS208T	8	200,000 Btu/hr	20 USgpm @ 20ºF ΔT	Based on 250' loops of ½" tubing
	SSTLS210T	10	250,000 Btu/hr	25 USgpm @ 20ºF ΔT	Based on 250' loops of ½" tubing
	SSTLS212T	12	300,000 Btu/hr	30 USgpm @20ºF ΔT	Based on 250' loops of ½" tubing

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

Technical Data

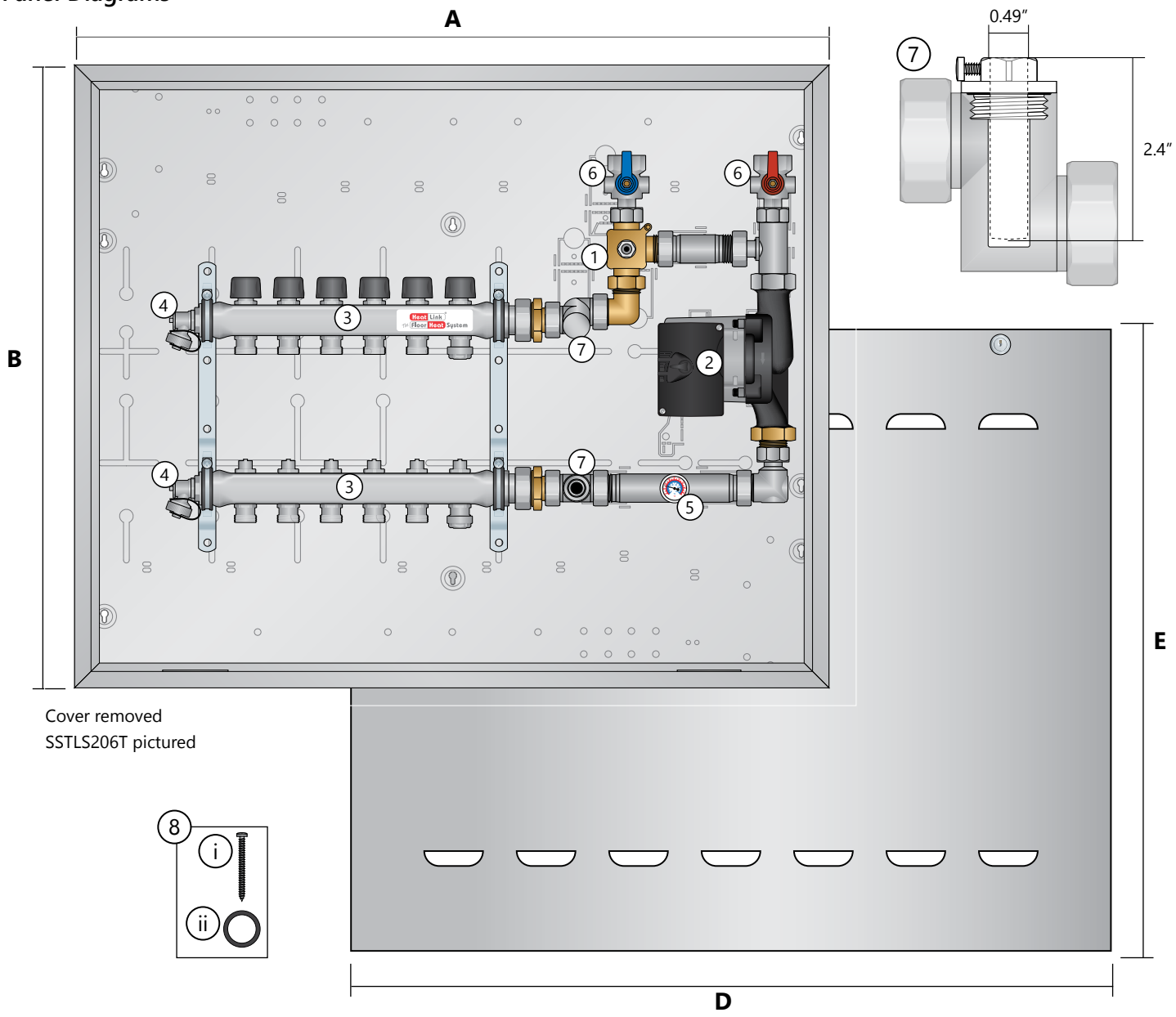
	Specifications
Min operating temperature	36ºF (2ºC)
Max operating temperature	212ºF (100ºC)
Max operating pressure	100 psi (689 kPa)
Power supply	120/24 V(ac)
Pump	Grundfos UPS26-99
Mixing valve	1"
Mixing valve Cv	7.3
Mixing valve max pressure differential	50 psi (rotary valves typically have ~3% leakage)
Piping	¾" 304SS Tubing
Piping connections	1" FNPT
Material - manifold	Stainless steel
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



Surface Mount skirting by others. Extended cabinet add-on available for 4 to 10 loop panels. See page 3 for details.

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Panel Dimensions

	Enclosure Dimensions			Cover Dimensions		
Stk. #	A	B	C	D	E	# of Locks
SSTLS204T SSTLS206T	34 ½" (876 mm)	28 ½" (72⁴ mm)	5 ⅞" (149 mm)	32 ⅞" (835mm)	26.9" (683mm)	2
SSTLS208T SSTLS210T	42 ½" (1080 mm)	28 ½" (724 mm)	5 ⅞" (149 mm)	40 ⅞" (1038mm)	26.9" (683mm)	2
SSTLS212T	46 ½" (1180 mm)	28 ½" (724 mm)	5 ⅞" (149 mm)	44 ⅞" (1140mm)	26.9" (683mm)	3

Panel Components (Mechanical)

#	Components		Component Description	Stock Number (Qty.)				
				SSTLS204T	SSTLS206T	SSTLS208T	SSTLS210T	SSTLS212T
1	Mixing valve		3-way diverting valve	(1)	(1)	(1)	(1)	(1)
2	Pump		UPS26-99 pump	(1)	(1)	(1)	(1)	(1)
3	Manifold		Supply and return manifold with flow meters	76204 (1)	76206 (1)	76208 (1)	76210 (1)	76212 (1)
4	Hosebib		Allows for system fill and purge	(2)	(2)	(2)	(2)	(2)
5	Thermometer		Displays supply water temperature	(1)	(1)	(1)	(1)	(1)
6	Isolation valves		Isolates panel for servicing	(2)	(2)	(2)	(2)	(2)
7	Sensor well (optional)		Sensor well for supply and return sensors. Installed when controls that include sensors are selected. Also available as an add-on - ask your representative for details.	(2)	(2)	(2)	(2)	(2)
8	Accessory pack			(1)	(1)	(1)	(1)	(1)
	i	Mounting screws	For panel mounting	(4)	(4)	(4)	(4)	(6)
	ii	1" nitrile washers	Spare nitrile washers	(2)	(2)	(2)	(2)	(2)

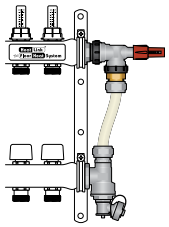
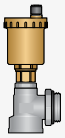
Enclosure Options

Qty	Stk. #	Description	Height (B)	Extended Door Height	Submittal
	SSASSE6	Upgrade material to stainless steel, 2 to 6 loop, surface mount.	28 ½" (724 mm)	n/a	n/a
	SSASE10	Upgrade material to stainless steel, 8-10 loop, surface mount.	28 ½" (724 mm)	n/a	n/a
	SSASE12	Upgrade material to stainless steel, 12 loop, surface mount	28 ½" (724 mm)	n/a	n/a
	SSAEXE6	Extended surface mount (satin steel), 4-6 loop	45" (1143 mm)	16.4" (417mm)	n/a
	SSASEXE10	Extended surface mount (satin steel), 8-10 loop	45" (1143 mm)	16.4" (417mm)	n/a

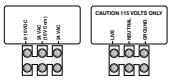
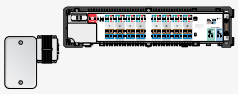
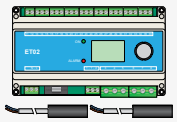
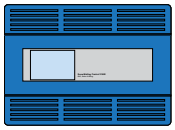
**Not pictured. Cabinet and door width are the same as the standard enclosure.*

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Manifold Options

Qty	Stk. #	Image	Description	Submittal
	SSAPB		Pressure Bypass for SS Manifolds (see SUB76937) installed on manifold. Not compatible with SSAAV.	SUB76937
	SSAAV		#76935 installed automatic air vent to a 76100 or 76200 series 1-1/4" stainless steel manifold without occupying a loop. Not compatible with SSAPB.	SUB76935
	SSAACT		A single #56201 Actuator installed on SS Manifold with wiring harness. *When ordering these, please include a copy of the "Heating System Summary Report" from LoopCAD or an equivalent table or spreadsheet.*	SUB56200

Controls (one selection required)

Qty	Stk. #	Image	Description	Submittal	Manual
	SSABMS		Wiring terminal blocks for Building Management System mounted to backplate.	n/a	L6SST-BMS
	SSASL		#40318 StatLink® 8 Zone Wiring Module and 24Vac transformer with wiring harness.	SUB40318	L6SST-SSASL
	SSAMRC		#31355 Compact Mixing Reset Control installed and pre-wired in SST panel. Requires SSASL, #58131 Floating 3-point Mixing Valve Motor.	SUB31355	L6SST-SSAMRC
	SSASM		ETO2SMCNTR Snow Melt Control - DDC, two ETF1899ASNS Sensor NTC12K, select #58132 DDC Mixing Valve Motor for mixing. Installed and prewired. DRVWSNS-SS Snow/Ice Sensor sold separately.	SUBSMCP	L6SST-SSASM
	SSASMBAC		#31680 BACnet snowmelt control. #58131 Floating 3-point Mixing Valve Motor for mixing. Installed and prewired. 30090 & 30091 Snow/Ice Detector and socket sold separately.	SUB31680	L6SST-SSASMBAC

Control Mixing Options

Qty	Stk. #	Image	Description	Submittal
	SSAMXMDDC		#58132 DDC Mixing Valve Motor installed on 3-way diverting valve	SUB58132
	SSAMXM		#58131 Floating 3-point Mixing Valve Motor installed on 3-way diverting valve	SUB58131

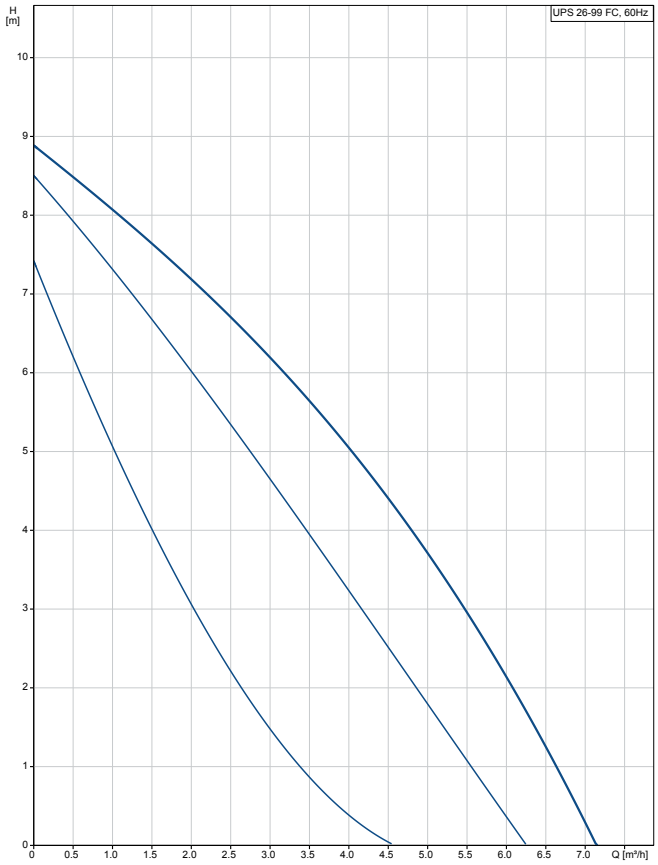
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Pump Data

Technical Data

	Model Number UPS 26-99
Technical	
Speed no	3
Max flow	33.0 US gpm (7.5 m^3/h)
Head max	28.9 ft (8.8 m)
Approvals on nameplate	UL, CSA
Valve	pump with built-in isolating and non-return valves
Materials	
Pump housing	Cast iron
Impeller	Composite, PES
Installation	
Maximum ambient temperature	104°F (40°C)
Amb. max at 80 dgr C liquid	176°F (80°C)
Maximum operating pressure	145 psi (10 bar)
Type of connection	Threaded
Pipe connection	1 ½" MBSP
Pressure rating	10
Liquid	
Pumped liquid	Water
Liquid temperature range	36...230°F (2...110°C)
Liquid temperature during operation	140°F (60°C)
Density	61.38 lb/m^3 (983.2 kg/m^3)
Electrical data	
Power input in speed 1	150 W
Power input in speed 2	179 W
Max. power input	197 W
Mains frequency	60 Hz
Rated voltage	1 x 115V
Current in speed 1	1.3 A
Current in speed 2	1.5 A
Current in speed 3	1.8 A
Capacitor size - run	20 µF/180 V
Number of poles	2
Insulation class (IEC 85)	F
Motor protec	CONTACT
Thermal protec	internal
Controls	
Pos term box	9H

Pump Curve



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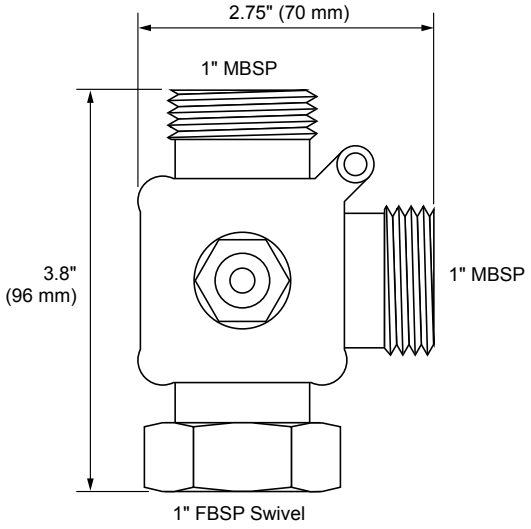
Mixing Valve Data

Description
This 3-way valve is used as a diverting valve in the SSTL - Stainless Steel Manifold Mixing Panels with Large Pump. They have the option of manual operation, or they can be fitted with a mixing valve motor for fully automatic operation. Compatible with Mixing Valve Motor for 1" to 2" FNPT Valves 3-Point Floating (58131) and Mixing Valve Motor for 1" to 2" FNPT Valves DDC (58132).

Technical Data

Material - Valve Body & Slide:	Brass DZR
Material - O-ring:	EPDM
Max. Operating Temperature:	212°F (100°C)
Min. Operating Temperature:	36°F (2°C)
Max. Operating Pressure:	125 psi (862 kPa)
Max. Differential Pressure:	50psi
Leaking in % of flow:	~3%
Flow Coefficient:	Cv = 7.3 (Kvs = 6.3)

Qty	Stk. #
	SST-3WMIX-LRG



Installation

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

Maintenance

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

Related Documents

- Mechanical Installation, Operation, and Maintenance Manual (L6SST Series Mechanical Manual)
- HeatLink Limited Heating Warranty

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