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 Electric Boiler Panel includes: a 240V electric boiler (with electrical box for hardwiring the connection), TwistSeal® Mini Multiport manifold (see SUB78300), automatic air vent, pressure relief valve, pump, expansion tank connection, electrical box with 6' cord for 120V input (for pump operation), and 24Vac transformer (for StatLink operation).

Ensure that both power supplies (240V for the boiler & 120V for the pump & electronics) are wired to the panel correctly for proper panel operation.

The ELBP's primary application is for heating small areas where quick Plug & Play installation is needed, or alternative fuel sources aren't available.

Technical Data

		Stock Number		
	Specifications	**ELBP18**	**ELBP30**	**ELBP50**
Pump power supply	110-120V	•	•	•
Electric boiler power supply	210-240V	•	•	•
Maximum output	(based on 220V)	18,000 BTU	30,000 BTU	50,000 BTU
Max ambient temperature	120ºF (49ºC)	•	•	•
Primary Pump	Grundfos UPS15-58	•	•	
Auxiliary terminal	Yes	•	•	•
Piping	¾" 304SS Tubing	•	•	•
Piping connections	¾" and 1" FNPT	•	•	•
Material - backplate	16 Gauge galvanized steel	•	•	•
Material - enclosure	Powder coated steel	•	•	•

Qty	**Stk. #**	**Boiler**
	ELBP18TS3	HA008240
	ELBP18TS5	HA008240
	ELBP30TS3	HA011240
	ELBP30TS5	HA011240
	ELBP30TS6	HA011240
	ELBP30TS7	HA011240
	ELBP30TS8	HA011240
	ELBP50TS7	HA018240

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

Boiler Specs

	HA008240	HA011240	HA018240
Number of elements	1	2	2
Voltage	240Vac	240Vac 50/60Hz	240Vac 50/60Hz
Max kW	8	11	18
AMPS	33 (1x40)A	46 (1x50)A	75 (2x40)A
Wire size	8 AWG	6 AWG	8 AWG
Minimum PSI		25 PSI	
Maximum PSI		150 PSI	
Minimum flow rate (GPM)	0.3 GPM	0.3 GPM	0.3 GPM
Maximum flow rate (GPM)	4.8 GPM	4.8 GPM	7.0 GPM
Temperature control range		80ºF - 140ºF (26ºC - 60ºC)	

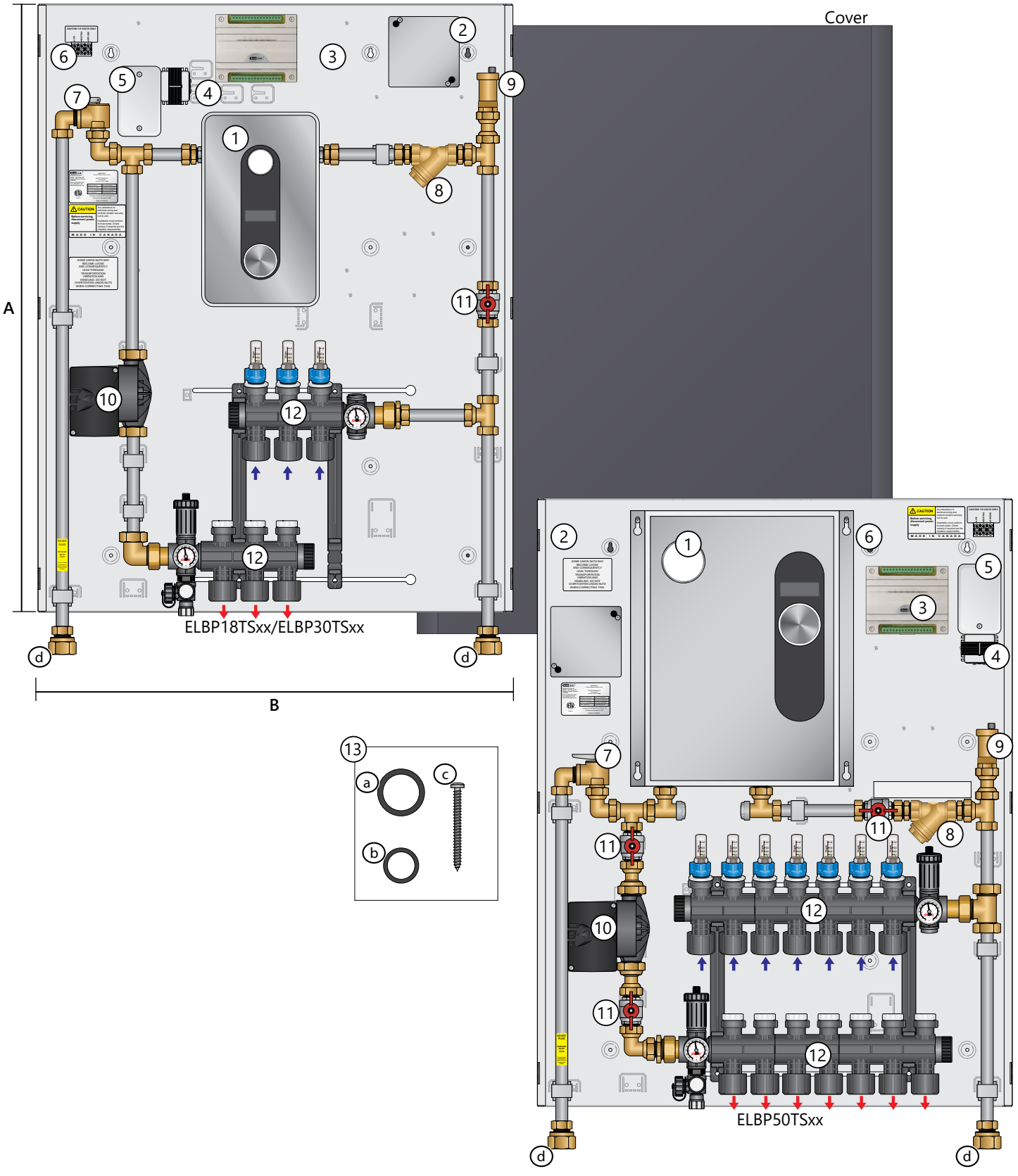
Standards / Listings

CAN/CSA-C22 No.14, UL508

cETLus

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Panel Diagrams



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Panel Dimensions

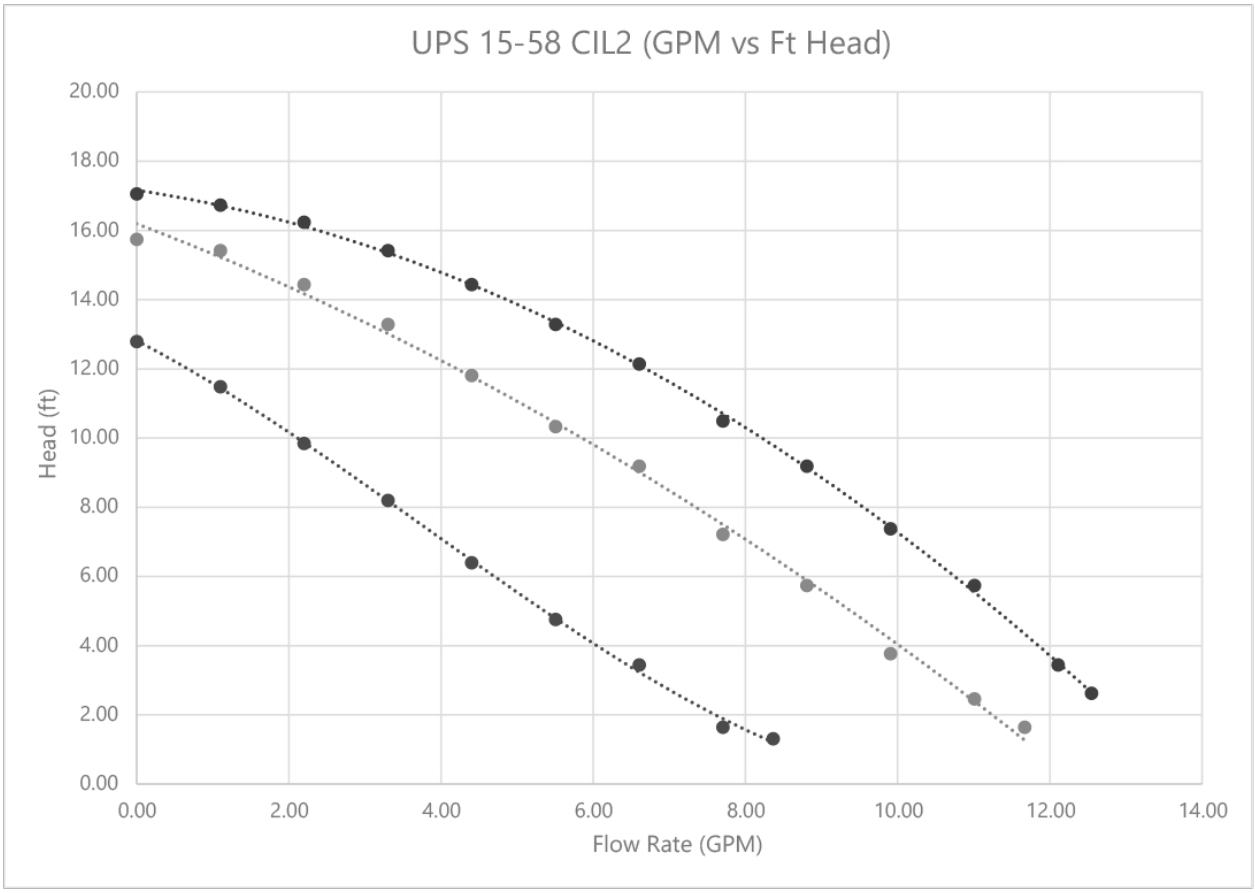
Stk. #	Enclosure Dimensions A	B	Depth
ELBP18	37½"	29¼"	4¾"
ELBP30			
ELBP50			

Panel Components

#	Components	Component Description	Part Number (Qty.) ELBP18	ELBP30	ELBP50
1	Electric boiler	The electric boiler supplies hot water to the system, and is activated when there is a call for heat via a built in flow switch. Requires 240V power source.	HA008240 (1)	HA011240 (1)	HA018240 (1)
2	Junction box	Wiring connection box for 240V	n/a	n/a	n/a
3	StatLink® 4 Zone Wired Module	Connects room thermostats to their corresponding actuators. Each zone has an LED which indicates a call for heat.	---------- 40414 (1) ----------		
4	24Vac Transformer	Supplies 24V power to the StatLink®	n/a	n/a	n/a
5	Electrical box	Houses transformer wiring	n/a	n/a	n/a
6	Terminal strip	Field wiring connections	n/a	n/a	n/a
7	Pressure relief valve	Vents excess system pressure	n/a	n/a	n/a
8	Y strainer	Removes entrained air	n/a	n/a	n/a
9	Automatic air vent	Automatically vents entrained air	n/a	n/a	n/a
10	Pump	The circulator moves the heated fluid through the hydronic system when there is a call for heat from the thermostat. See pg 6 for pump curve.	---------- PUMP1558 (1) ----------		
11	Ball valve	Allows for panel isolation for fill & purge/ maintenance	n/a	n/a	n/a
12	TwistSeal Mini Multiport Manifold	Distribution manifold	---------- 78000 Series ----------		
13	Accessory pack	Installation Acessories	---------- ACCELBP (1) ----------		
a	1" nitrile washer	Spare washers for pump	NTRWSH1 (4)		
b	¾" nitrile washer	Washers for adapters, plus 2 spares for ball valves	NTRWSH34 (8)		
c	Mounting screw	Screws to mount panel to wall	n/a (4)		
d	Piping adapters	¾"MSBP × 1"NPT Lead Free adapters	n/a (4)		

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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 (L6ELBPxxTSx)
- HeatLink Limited Heating Warranty

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