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 panels work with Lochinvar Knight boilers. The dark grey color of the enclosure is similar to the Cadet boilers.
The panel has three or four Grundfos UPS15-58 pumps. There is a primary pump, a DHW pump and one or two heating pumps. The primary pump, DHW pump, and heating pumps are controlled by the boiler. On the KNIGHT01 model, the room thermostat (supplied separately) is wired to the boiler.
On the KNIGHT02 model, the room thermostats (supplied separately) are wired to the terminal strip on the panel.
The water temperature is controlled by the boiler.

Technical Data

Max Ambient Temperature: ..... 120°F (49°C)
Min Operating Temperature: ..... 40°F (4°C)
Max Operating Temperature: ..... 200°F (93°C)
Max Operating Pressure: ..... 125 psi (862 kPa)
Power Supply: ..... 120/24 V(ac)
Primary Pump: ..... Grundfos UPS15-58
DHW Pump: ..... Grundfos UPS15-58
Radiant 1 Pump: ..... Grundfos UPS15-58
Radiant 2 Pump: ..... Grundfos UPS15-58 (KNIGHT02 only)
Auxiliary Terminal: ..... 1 dry contact, max. load 1.5A (KNIGHT02 only)
Piping: ..... ¾" 304SS Tubing
Piping Connections: ..... 1" FNPT
Material - Backplate: ..... 16 Gauge galvanized steel
Material - Enclosure: ..... Powder coated steel

Standards / Listings

CAN/CSA-C22 No.14, UL508
cETLus

Qty	Stk. #	Nominal Panel Output	Nominal Flow
	KNIGHT01	80,000 Btu/hr	6.0 US gpm @ 35°F ΔT
	KNIGHT02	100,000 Btu/hr	10.0 US gpm @ 35°F ΔT

Installation

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

Maintenance

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

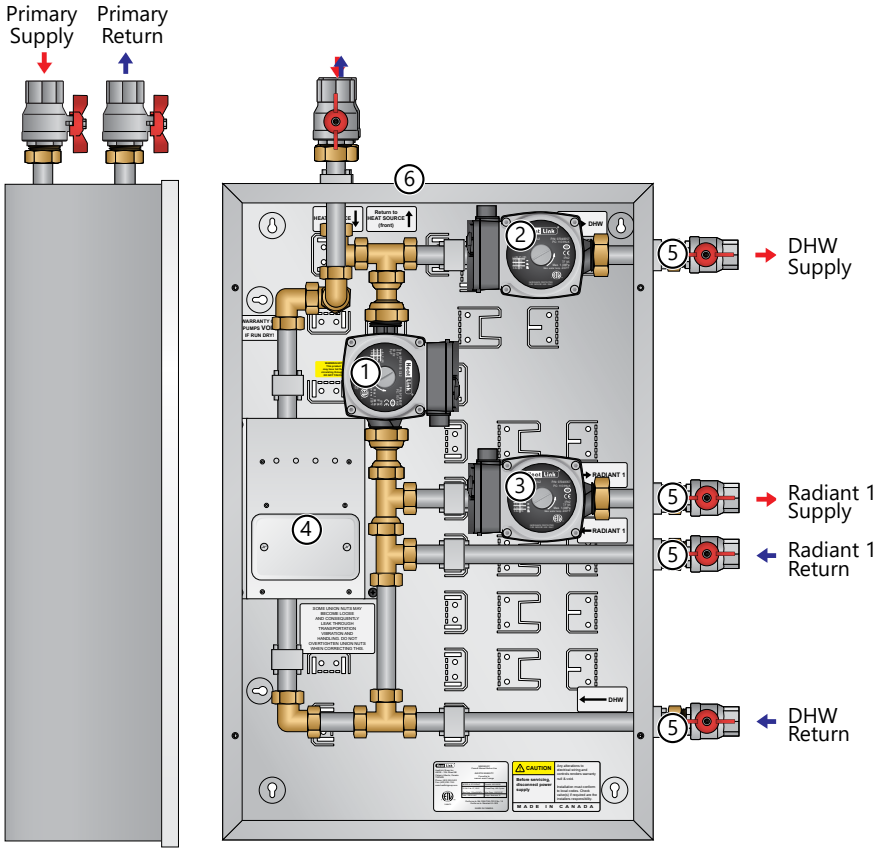
Related Documents

• HeatLink Limited Heating Warranty

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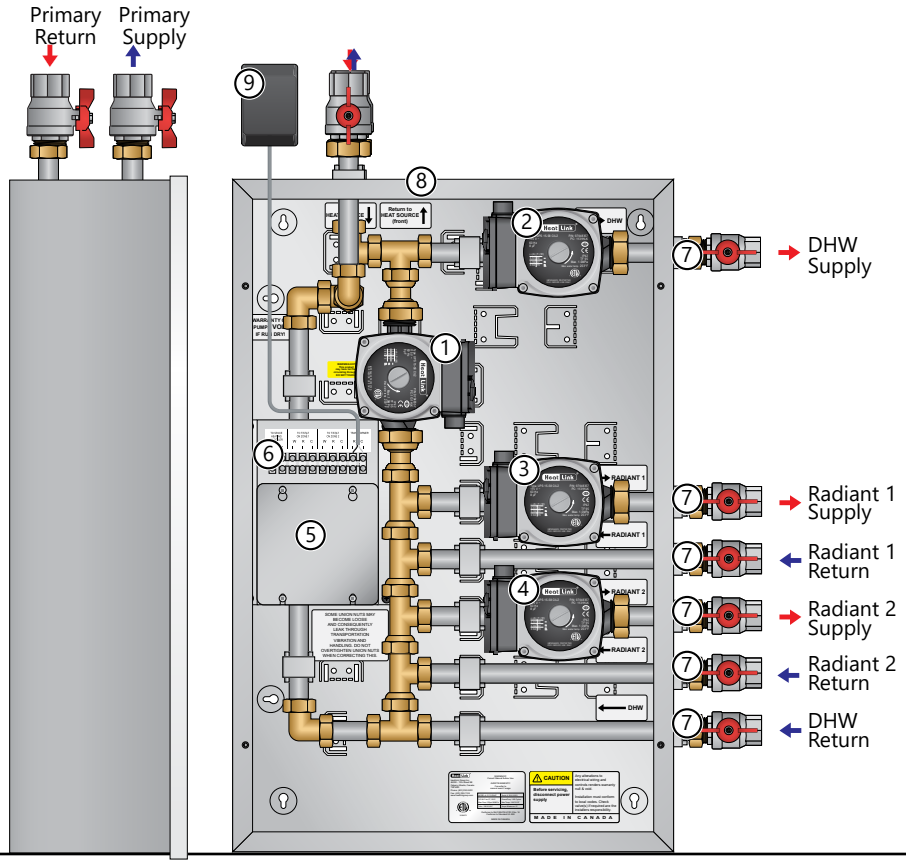
KNIGHT01 Panel Components

1. Primary Pump
2. DHW Pump
3. Radiant 1 Pump
4. Electrical Connection Box
5. Isolation Valve
6. Panel Enclosure



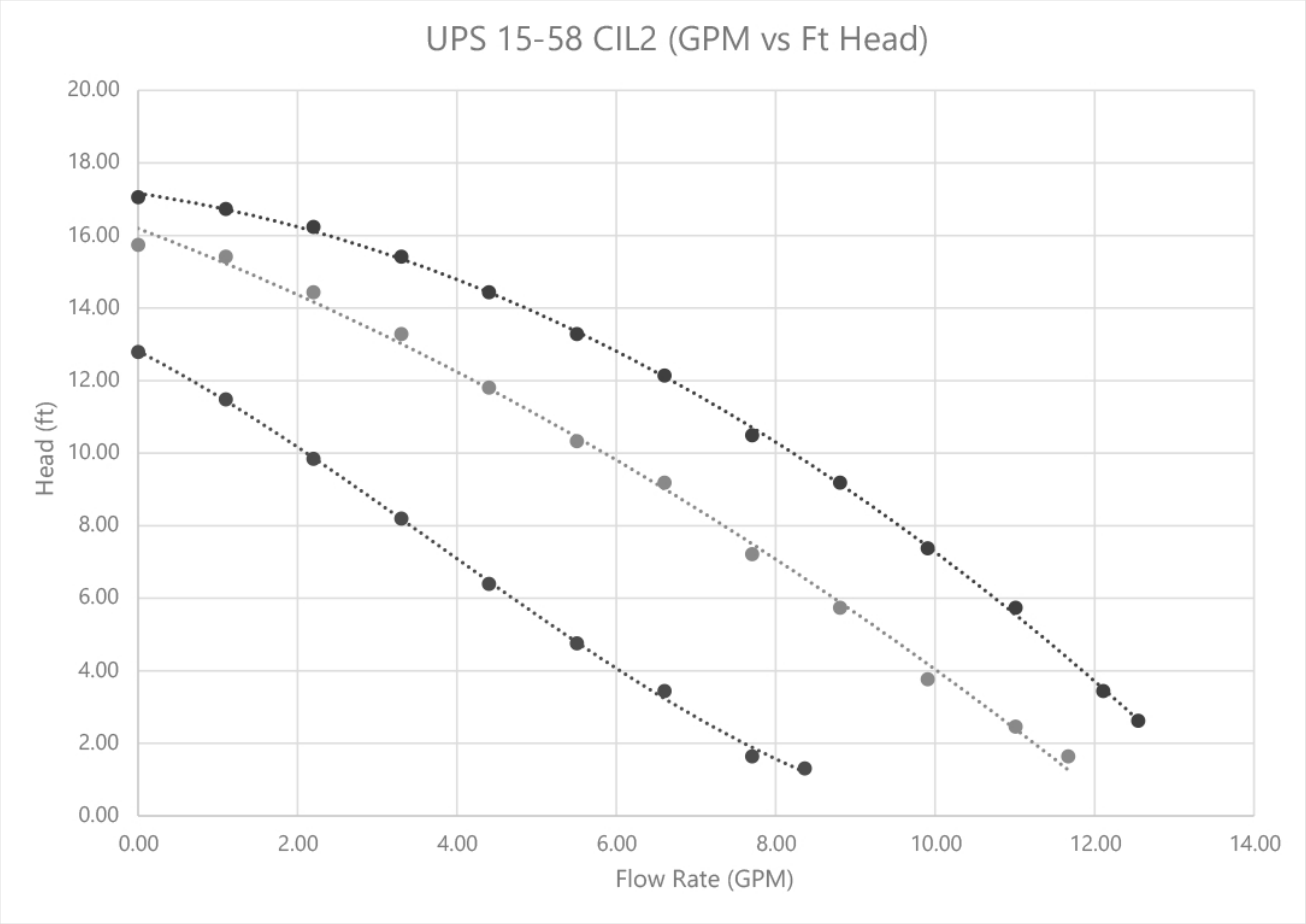
KNIGHT02 Panel Components

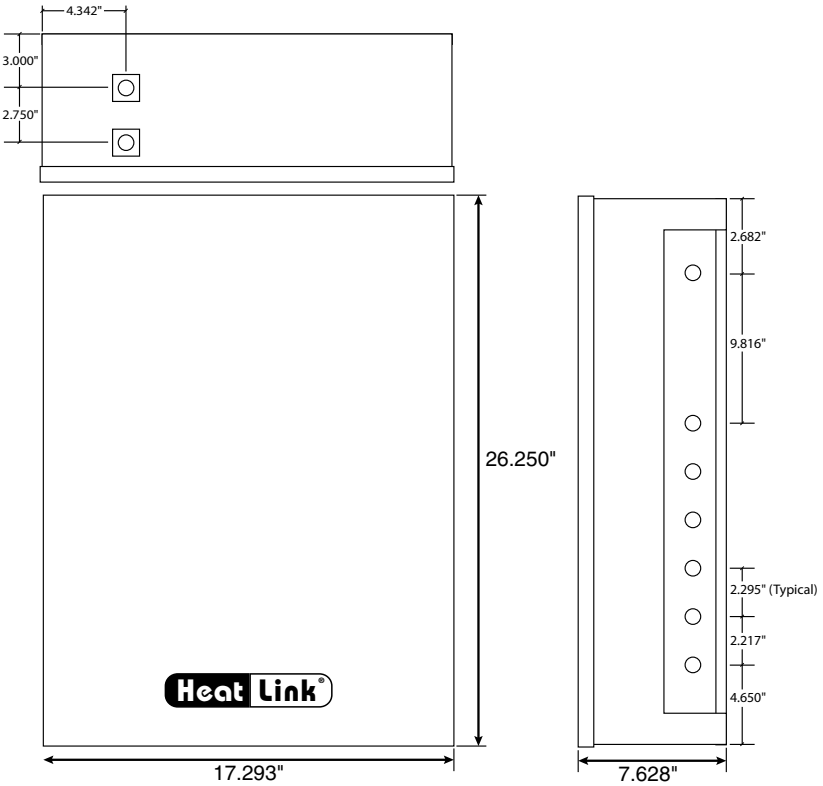
1. Primary Pump
2. DHW Pump
3. Radiant 1 Pump
4. Radiant 2 Pump (KNIGHT02 only)
5. Electrical Connection Box
6. 24V Terminal Strip (KNIGHT02 only)
7. Isolation Valve
8. Panel Enclosure
9. 20VA 24Vac Plug-in Transformer (KNIGHT02 only)



All information is subject to change without notice.
Please check our website to ensure you have the latest version of this document.

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SUBKNIGHT00
2025-01-23





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