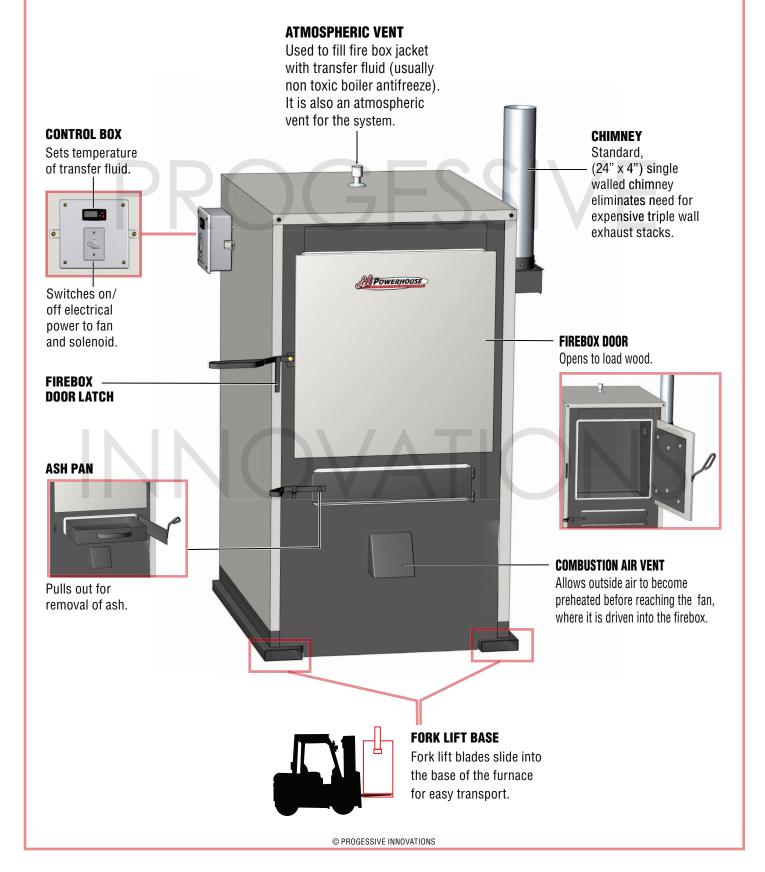
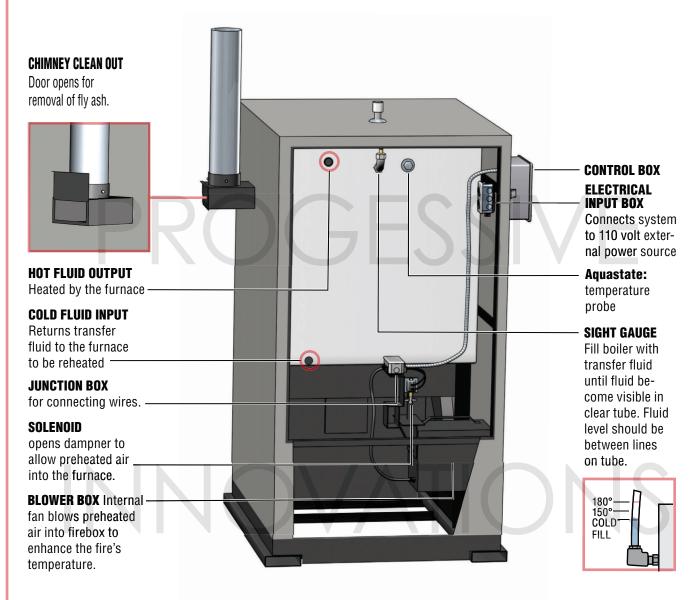


# THE LIL POWERHOUSE MANUAL





## **LIL POWERHOUSE BACK**

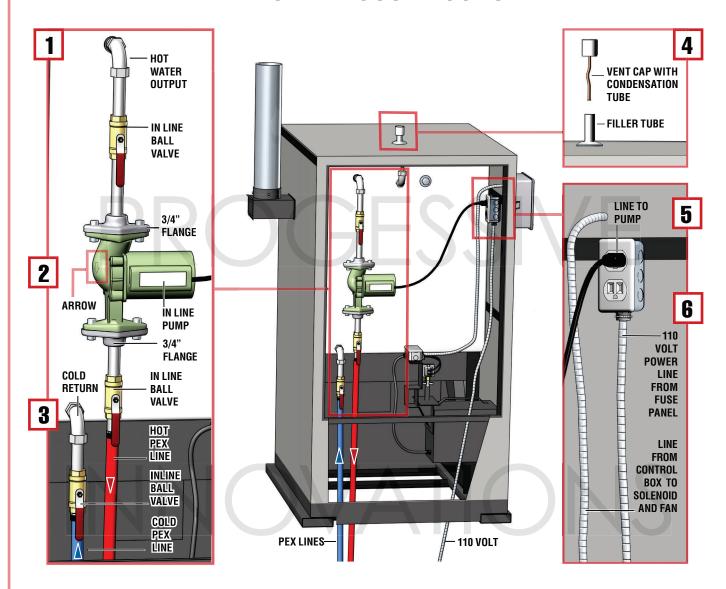


### **LIL POWERHOUSE ACCESS**





### **LIL POWERHOUSE HOOKUP**



#### 1. INSTALL HOT SUPPLY

Screw 3/4 inch pipe into the HOT SUPPLY socket located on upper left corner of firebox. Attach 90° elbow joint positioned downward, and attach in-line ball valve.

#### 4. FILL FLUID JACKET

Remove vent cap. Fill fluid transfer jacket inside of furnace with transfer fluid, typically 25 gallons of 100% non toxic boiler antifreeze.

#### 2. INSTALL IN LINE PUMP

in the hot supply line. Attach a second ball valve down line of the pump. Attach PEX line. **NOTE**: The arrow on the pump casing should face down.

#### **5. CONNECT POWER**

Bring 110 volt power line from fuse panel of external power source. Wire into outlet box.

#### 3. INSTALL COLD RETURN

Screw 3/4 inch pipe into the COLD RETURN socket in lower left corner of fire box. Attach 90° elbow joint positioned downward, Attach in-line ball valve. Attach cold return PEX line.

#### **6.** ENERGIZE PUMP

110 volt power outlets used to enegrize pumps.

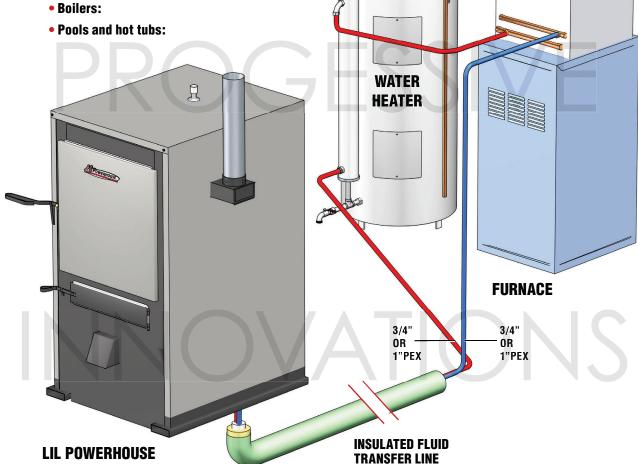


## **INSTALLING LIL POWERHOUSE**

#### **The Lil Powerhouse**

May be typically installed to provide supplemental heat for domestic hot water or space heating. It can be used with:

- Forced air furnaces



- Place Lil Powerhouse on prepared concrete slab, blocks or packed levelled earth. Clear area of vegetation and other combustibles.
- Lay insulated sheath in trench approximately twelve inches deep. Run hot and cold fluid transfer PEX lines through insulated sheath.
- Connect PEX lines to space and water heating systems with appropriate heat exchanger.
- Installation must comply with all applicable codes
- Water temperature should be set at 110°-180° (depending on the type of installation)