💧 P&B Hydronic Heating Coil Homeowner Guide

For customers with hydronic heating systems. Troubleshooting can be a little more challenging, and knowing if the issue is with the Air handler or the boiler, and trying to know if you need a plumber or an HVAC tech. below are some guidelines to help you.

If your air handler is blowing air but the house isn't getting warm, the issue is most likely with the boiler, and you would need a plumber

- **Verify Your Boiler is Running:** Hydronic heating coils rely entirely on the hot water produced by your boiler. Check that your main boiler system is turned on, and is actively firing up.

  Check for Trapped Air: A common issue with hydronic systems is an air pocket getting trapped inside the coil, which blocks the hot water from circulating. If you feel the copper pipes leading into your air handler and one is hot but the other is completely cold, air may be trapped. If this is the case, the system will need to be bled out. We recommend calling a licensed plumber**. Warning the chance of scalding water can cause serious injury.**

  You may have a faulty Circulator, Zone valve, flow valve or relay. This would have to be determined by a licensed plumber.

- **Mode Synchronization:** your air handler splits duties between winter heating (via the boiler) and summer cooling (via an outdoor AC condenser), make sure your thermostat is properly switched over to **HEAT** and the fan is set to **AUTO**.

- **Airflow Check:** Clean air filters are just as important for hydronic coils as they are for regular furnaces. A blocked filter slows down the airflow, meaning the system can't pull the heat off the hot copper coils effectively.

- **If the fan is not running;** Check to see if the fan is in the “Auto” or “On” mode. It should be in “Auto”.
  Then turn the fan to the “On” position and see if the fan comes on. If it does check to see if the air is blowing warm or cold.
  If the Air is warm Call the HVAC company if it is cold call the plumber.

- ⚠️ **SAFETY WARNING: Hydronic coils circulate water at incredibly high temperatures and pressures. Do not attempt to solder pipes, tighten fittings, or dismantle the air handler casing if you notice a leak. If you see water pooling around the unit, turn off the water supply and call for service immediately.**