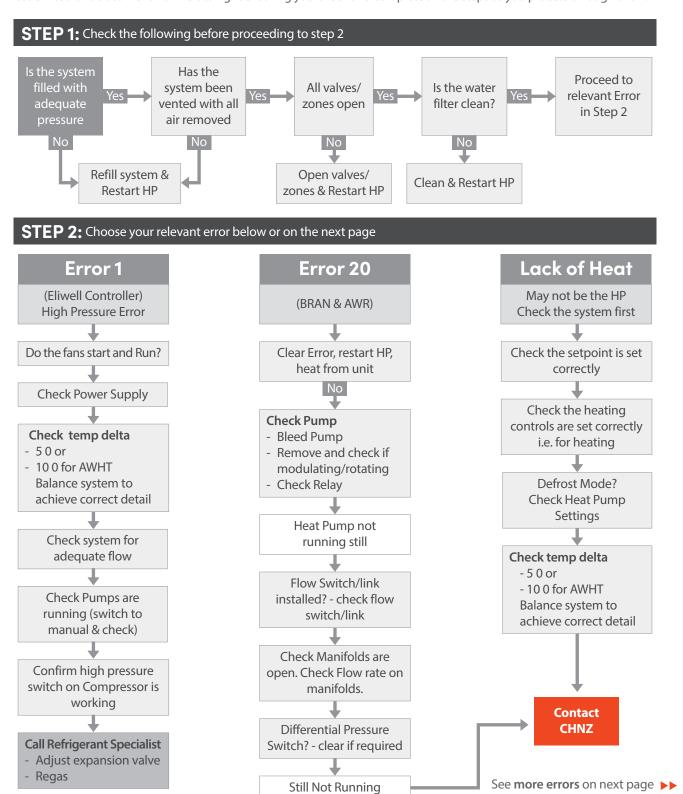
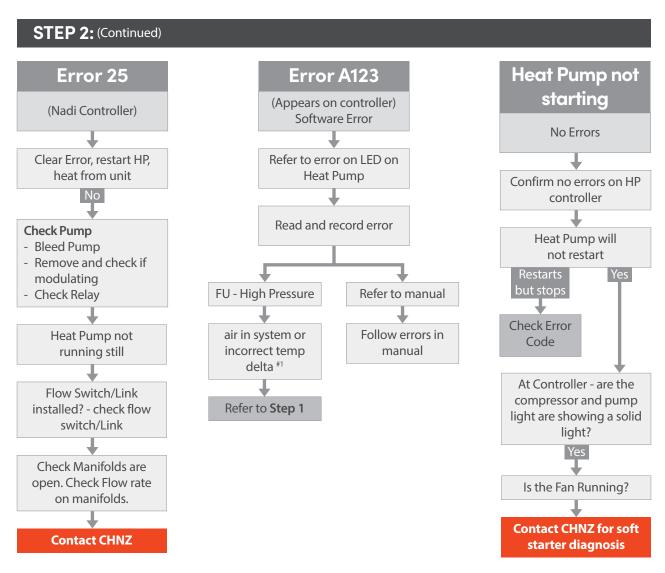


Heat pumps troubleshooting

This sheet covers the typical errors that occur on a **BRAN** or **AWR** heat pump and outlines the steps to overcome the issue. Read this document from left to right ensuring you check and complete all the steps as you process through them.







 #1 – Delta T – Temperature difference between flow and return when the heat pump is running steadily.

Delta T - temperature difference indicator

- Less than 5°C Common if going straight into a buffer tank. If very low may indicate low heat output which is normal in inverter heat pumps that can reduce their heat output.
- 5°C Correct delta.
- More than 5°C Indicates flow is reduced.

Possible causes: 1. Blocked f

- 1. Blocked filter or some other blockage
- 2. Inadequate Pipe size.
- 3. Pump not running at correct speed (increase speed).

If the Delta T is significantly greater than 5°C this indicates lower than specified flow rate which can lead to high pressure errors. These may not occur at lower operating temperatures but still lead to less efficient operation.