



How To Bleed a Radiator & Re-Pressurise Your Boiler (Combi Boiler)

If a radiator is feeling warm at the bottom but cold at the top, it indicates that there is air in the radiator. There are airing points located at the top of the radiator and you will require an air-bleeding key (available at any hardware store).

1. Keep your heating system on low so it remains pressurised but be aware the water in your radiators will be hot, so take extra care and you may wish to use a cloth/rag to catch any drips.
2. Attach the radiator key to the bleed valve, located at the top and to one end of the radiator, and slowly begin to turn anti-clockwise.
3. Keep turning slowly until you hear a slight hiss of air. When water begins to escape instead of air, it is time to close the valve as all the hot air has escaped.
4. Tighten up the valve by turning the key clockwise.
5. Check the pressure gauge on the boiler. The pressure should always sit between 1 – 1.5 bars, so if it is lower than 1 it will be necessary to top up the system. Please see below instructions for the Ideal Standard Logic Combi Boiler.

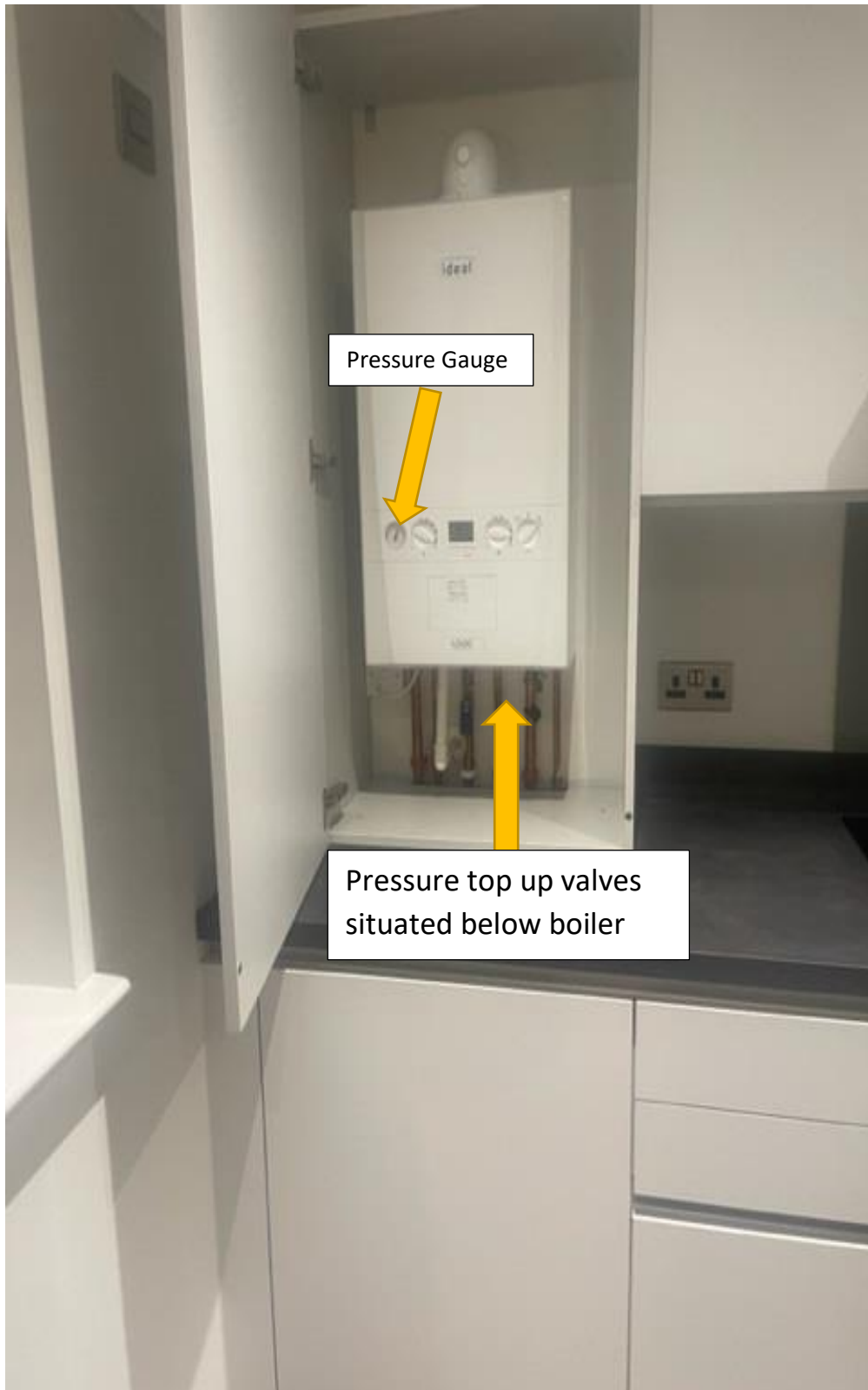
The system pressure gauge indicates the central heating system pressure. If the pressure falls below 1 - 1.5 bar on the gauge, you will require to re-pressurise the system. The system will not operate if the pressure has reduced to less than 0.3 bar. This will likely show as error code F1 on the display on the boiler. Please see overmarked drawings on the next two pages.

Please note, there may be water spillage at this point so please ensure you have a cloth ready, as it may discolour floor coverings due to the additives within the heating system.

1. Ensure both blue handle valves are in the closed position.
2. Gradually turn the blue handle valve on the right side 90 degrees to open up the water to allow pressure to be adjusted.
3. Ensuring no leaks are seen, turn the blue handle valve on the left side 90 degrees and watch the pressure gauge.
4. Wait for the pressure gauge to reach 1 - 1.5 bar and close the valve when at the correct pressure.
5. Turn the right-hand blue handle valve back 90 degrees to the closed position.

Link to website for the User Guide below:

[logic-combi-esp1-user-guide.pdf \(idealheating.com\)](http://logic-combi-esp1-user-guide.pdf (idealheating.com))



Pressure Gauge

Pressure top up valves
situated below boiler



Step 1

- Turn **BLUE** valve 90 degrees (on the far RHS), this opens up the water to allow pressure to be adjusted when valve in step 2 is opened.

Step 2

- Turn **BLUE** value 90 degrees, this will put water into the system and pressurise it, watch the pressure gauge until it reaches 1 - 1.5 bar, then turn the valve back 90 degrees when at the correct pressure.
- Turn the **Blue** valve from step 1 back 90 degrees.