



ENERWA PLUS
QUICK COMMISSIONING
GUIDE

Step 1

Visual Check



All boiler isolation valves are open, system pressure is between 1.50 – 2 bar.

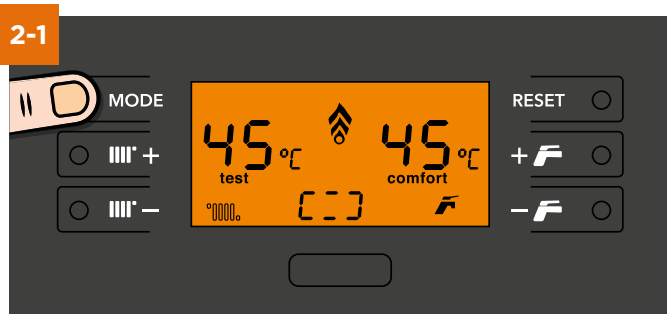


Flue system is all connected, auto air vent in the boiler is open.

Step 2

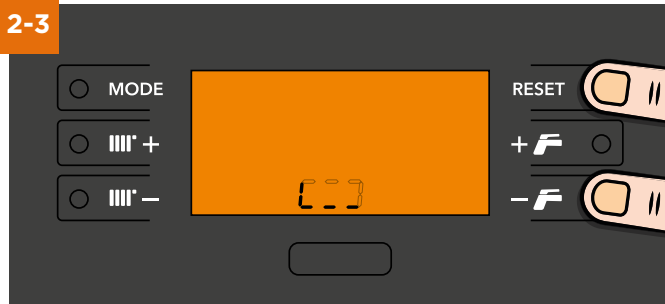
Deaeration Mode

Put the boiler into this mode by carrying out the following steps:



Press MODE and wait for the circle to complete and word OFF should appear, (if this does not repeat the above step until OFF is shown)

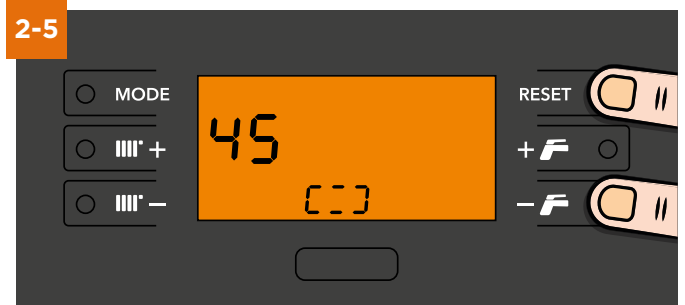
Sequence is WINTER-SUMMER-OFF



Push the RESET and DHW (-) button simultaneously (wait until the cycle is approved and release)



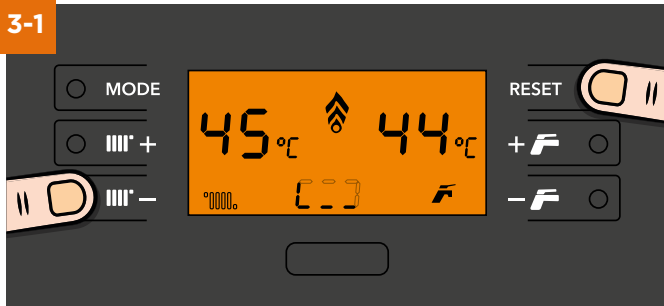
The word "AIR" will now be shown on the display, the boiler stays in this mode for 12 mins or you can exit earlier if you believe the boiler is vented fully by pressing and holding the RESET and DHW (-) simultaneously and wait for the circle to complete.



Exit.

Step 3

Flue Length Input



Enter the TSP menu by pressing the RESET and CH (-) simultaneously, wait until the circle completes.



The screen will appear TS - Parameter =01 - Value =0

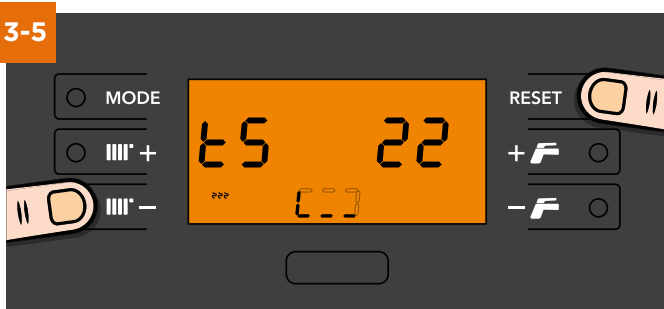


From this toggle CH (+) to increase or (-) to decrease until you reach the aimed parameter. P22 is the target



Once you reach the parameter you can change the value by pressing DHW (+) or (-).

1= 1 meter, using the buttons enter the actual flue length installed, push the RESET and wait for the circle to complete to save.



To exit TSP push the RESET and CH (-) simultaneously and wait for the circle to complete.

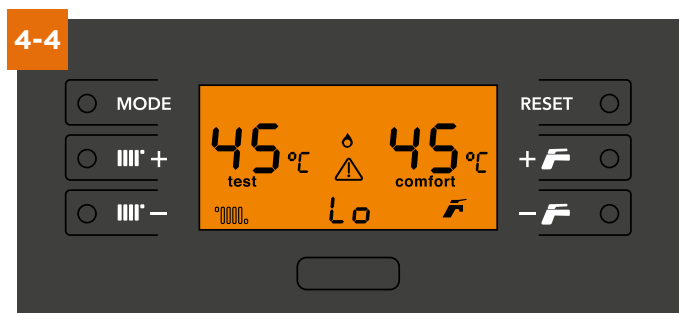
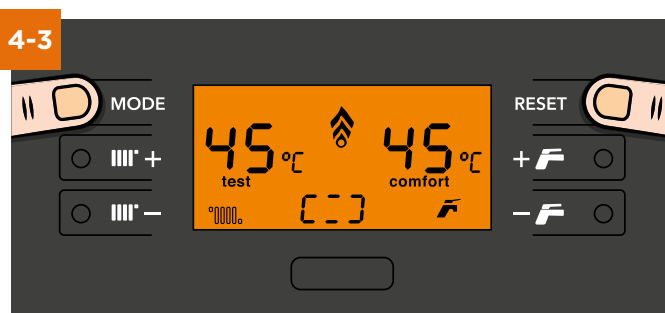
Step 4

Gas Pressure / Gas Rate

Remove the inlet testing screw located at the bottom RHS of the gas valve and connect a suitable manometer.

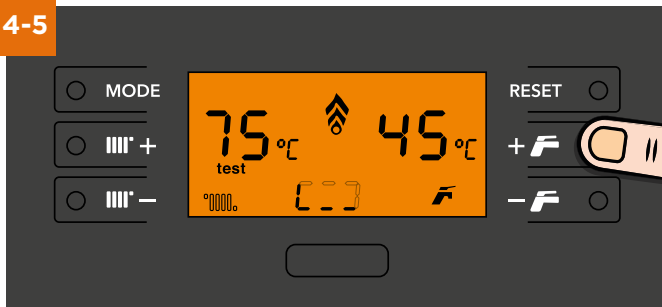


Put the boiler into SERVICEMAN by carrying out the following:

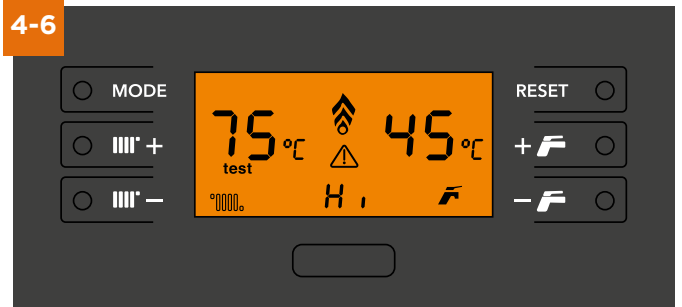


Press RESET and MODE simultaneously, wait until the circle is complete then release LO will be displayed on the screen for HI (maximum power) push and hold the DHW (+) then HI will be displayed wait 45 seconds to stabilize then test the dynamic inlet pressure.

4-5

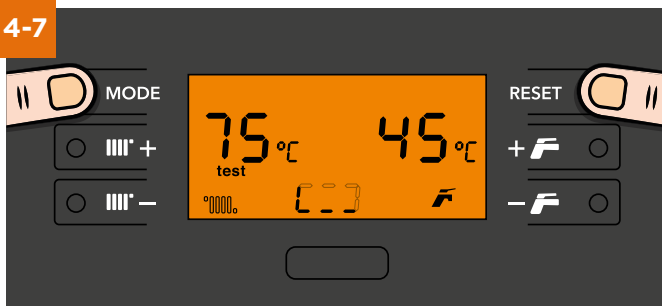


4-6



If the dynamic inlet pressure is ok then go to the gas meter and carry out a gas rate of the appliance.

4-7



To exit SERVICEMAN press the RESET and MODE button

4-8



**Wait for
the circle to
complete**

Replace the test point
screw and test with
suitable leak detection.



Step 5

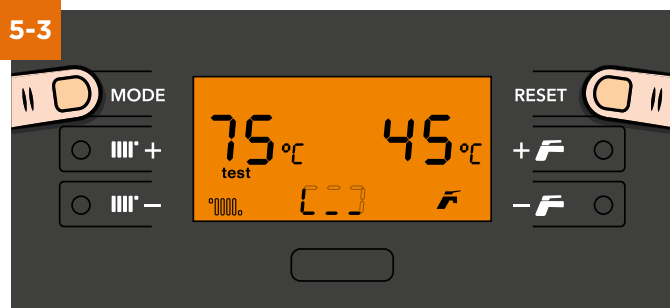
Checking Combustion



Ensure the boiler front cover is fully fitted and enter the SERVICEMAN feature (as per step 4)
Run the appliance in both HI and LO and with a suitable flue gas analyser test the products from the sample point on the flue elbow/adaptor.



The O₂ reading is the main measurement that is important in both HI and LO the optimum reading should be 5.0% O₂, however with the tolerances it acceptable to achieve between 4.50% O₂ and 5.50% O₂.



You should record the CO₂ readings and ratio to enter in the Benchmark commissioning checklist.
To exit SERVICEMAN press the RESET and MODE button as in step 4.

Step 6

Calibration

If the combustion measurements are not within the tolerance's described in step 5, then enter the manual calibration mode and follow the steps as described on page 75 of the boiler manual.



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