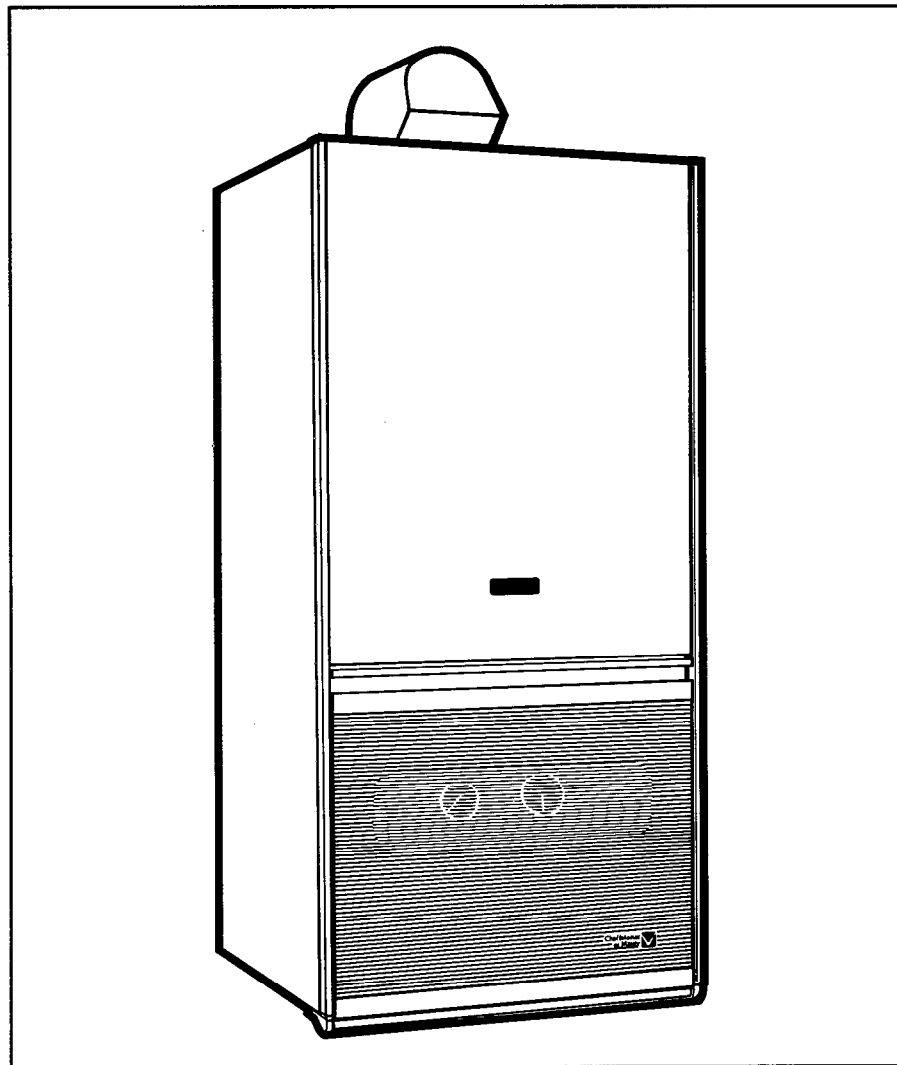


Celtic FF

ROOM SEALED FANNED BALANCED FLUE
COMBINATION BOILER

G.C. No. 47 980 01

This appliance has been tested and certificated by British Gas
(For use on natural gas only)



Instructions for use

(leave these instructions adjacent to the gas meter)

**Chaffoteaux
et Maury**



Looking Good. Heating Better

How your combination boiler works

Production of hot water

This boiler is designed to give hot water at different temperatures and is fitted with a temperature selector (fig. 1 F).

To obtain the hottest water turn the selector knob fully in the '+' direction. In this position the burner may cycle high to low flame – this is normal. Greater amounts of cooler water can be obtained by turning the selector knob towards the '-' sign.

Heating

The boiler is automatically self adjusting when on central heating. It is normal for the boiler to stay alight for extended periods with the flame height reduced.

The gas will be at high flame when the maximum output is required, in cold weather or on start up.

Controls

Installation without a room thermostat

Set the boiler thermostat (fig. 1 B) as required depending on the desired room temperature. To increase the heat turn to '+', to reduce the heat turn to '-'. The temperature gauge (fig. 1 E) indicates the temperature of the water going to the radiators.

Installation with a room thermostat

- Set the control on the room thermostat to the desired temperature which will automatically control the firing of the boiler to give the chosen room temperature.
- During cold weather, the boiler thermostat (fig. 1 B) should be left on maximum, turned to position '+'. In mild weather it is recommended that the thermostat is placed in an intermediate position.

To isolate the heating circuit during the summer

In some installations it is possible, after the boiler has been operating continuously for a period providing hot water, to get gravity circulation in the heating pipes. It will be noticed that the pipes are getting hot and eventually the first radiator will heat up. To avoid this, isolate as follows :

- Switch to 'hot water only' and close the valve (fig. 2 J) on the heating flow.
- Do not forget to **open** the valve at the start of the heating season when the selector switch is set to 'hot water + central heating'.

Pressure gauge (fig. 1 C)

This shows the water pressure in the central heating pipe work. When cold it should read not less than 1 bar. This will increase as the system heats up. A pressure relief valve will operate at 3 bar. Your installer will be able to repressurise the system if necessary.

Selector switch

When set for hot water only (position 'I') the boiler will only operate on demand for hot water.

When set to hot water + central heating (position 'II') the boiler will supply your central heating requirements but will give priority to hot water demands. The central heating supply will be temporarily interrupted when drawing hot water but this will have no noticeable effect on the heating levels for normal quantities of hot water supply.

Lighting the boiler

- 1) Switch on the electricity.
- 2) Turn the lever on the gas service tap to the left (fig. 2 G).
- 3) Set the selector switch (fig. 1 A) to required position. For hot water only 'I' or for hot water + central heating 'II'.
The fan will start up and the pump will run if set to hot water + central heating 'II'.

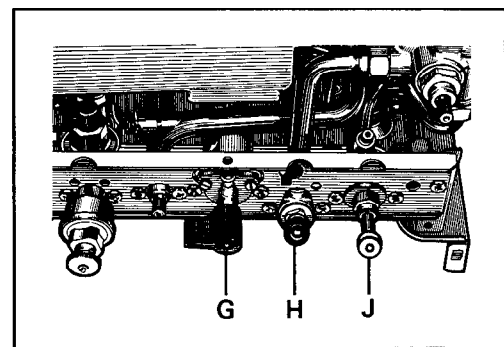
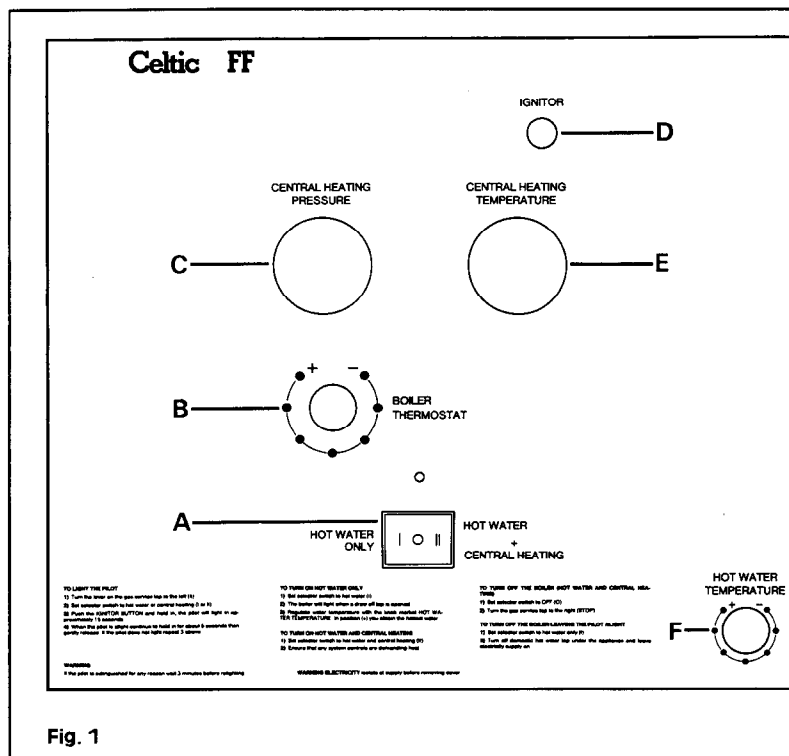


Fig. 2

Fig. 1

- 4) Press the igniter button (fig. 1 D) fully in.
- The fan will change to high speed to purge the combustion chamber, and the pump will stop.
 - After approximately 14 seconds the spark generator creates a continuous spark to light the pilot.
 - When the pilot is alight, viewed through the sight glass, wait a further 5 seconds before slowly releasing the button.
 - If the pilot goes out wait at least 3 minutes and repeat as above.
- 5) If set to hot water + central heating 'II', check that the flow isolating valve (fig. 2 J) is fully open (turn anti-clockwise).

To turn off the boiler

Set the selector switch to the centre position off 'O'. Turn off the gas by turning the lever (fig. 2 G) on the gas service tap to the right. Turn off the electricity supply.

To turn off the boiler leaving the pilot alight

Set the selector switch (fig. 1 A) to hot water only position 'I' turn off domestic water tap (fig. 2 H) under the appliance and leave electricity supply on.

Frost precautions

Providing the boiler is not isolated from the electricity supply it has automatic protection from damage by frost.

Overheating

If the pilot light or gas flame should go out whilst the boiler is set to operate :

- Wait 3 minutes before relighting.
If the boiler goes out again this may be due to the over-heat safety device operating.
- If this persists contact your service engineer.

Cleaning

The surface of the boiler may be cleaned using soap, water and a soft cloth or a non-abrasive cleaner.

Service

To ensure that the appliance continues to work efficiently and has a long life, it is important that it is serviced annually. Ask your installer or local Gas Region for details of a regular service scheme.

This appliance is suitable for use with most showers and automatic washing machines.

Gas safety (INSTALLATION AND USE) REGULATIONS 1984

In your own interest and that of safety, it is the law that all gas appliances are installed by competent persons in accordance with the Gas Safety Installation and Use Regulations 1984. If the appliance is installed in a compartment, do not obstruct any purpose provided ventilation openings, and do not use for storage purposes.

'Gas leaks or faults'

If a gas leak or fault is suspected, turn off the appliance and consult your local Gas Region or Service Engineer.

Clearances around your combination boiler

These minimum clearances must be maintained for operation and servicing.

Top above Air Inlet Duct	50 mm (2 in)
Bottom Below Case	200 mm (8 in)
Sides	100 mm (4 in)
Front	600 mm (24 in)

'Warning'

If the pilot is extinguished for any reason wait at least 3 minutes before attempting to relight.


Electrical connections

The electrical supply connection must be made to a 240 V 50 Hz supply. The appliance must be protected by a 3 A fuse. If a plug (BS 1363) is used or any other type a 3 A fuse must be fitted in the circuit.

This appliance must be earthed

To connect a plug

As the colour coding of the wires in the mains feed of the appliance may not correspond with the colour marking identification of your plug, proceed as follows :

- The wire which is coloured green/yellow must be connected to the terminal in the plug marked with the letter 'E' or by the earth symbol  or coloured green or green and yellow.
- The wire which is coloured blue must be connected to the terminal which is marked with the letter 'N' or coloured black.
- The wire which is coloured brown must be connected to the terminal marked 'L' or coloured red.

SERVICE RECORD

Date	Work Carried Out	Name of Service Company

NSP/INT (0938) 232796

55 A - Imp. C.M. - Réf. 92120-121 - 07/88

Chaffoteaux et Maury Limited,
Trench Lock, Trench, Telford, Shropshire TF1 4SZ
Telephone : Telford (0952) 222727 - Telefax : (0952) 243493



ESP305