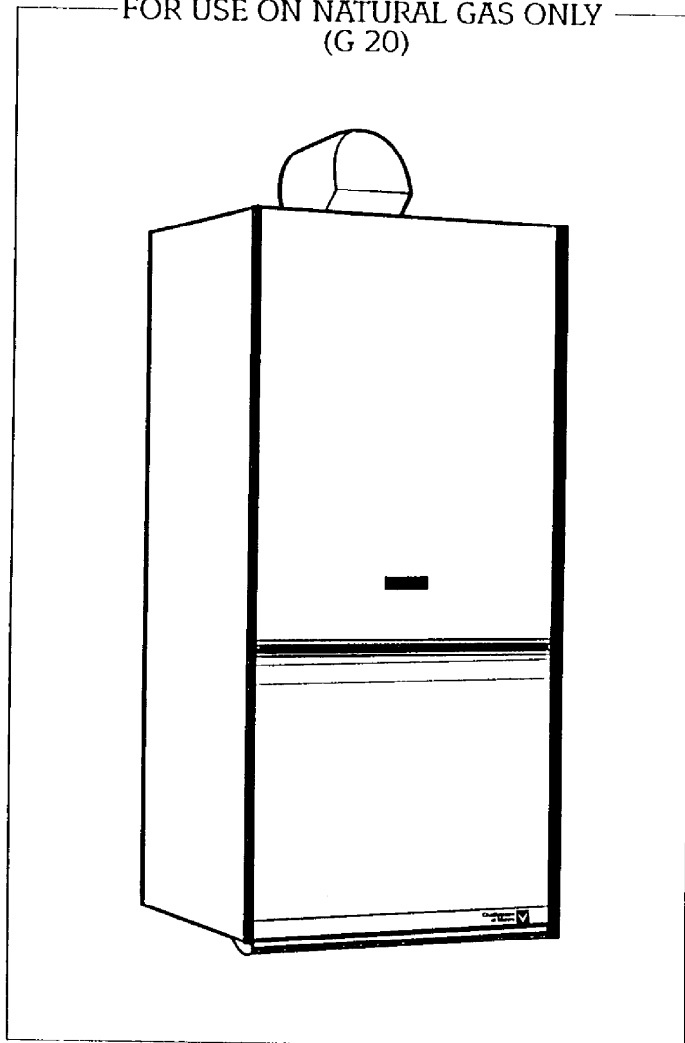


STERLING FF

Room Sealed Fanned Balanced Flue Combination Boiler

FOR USE ON NATURAL GAS ONLY
(G 20)



INSTRUCTIONS FOR USE

**SAVE THESE INSTRUCTIONS
WITH THE USER**

HOW YOUR COMBINATION BOILER WORKS.

GAS SAFETY (INSTALLATION AND USE) REGULATIONS

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. If the appliance is installed in a compartment, do not obstruct any purpose provided ventilation openings, and do not use for storage purposes.

THIS APPLIANCE MUST BE EARTHED

The electrical supply connection must be made to a 240V 50Hz supply. The appliance must be protected by a 3A fuse, if a 13A plug (BS 1363) is used or any other type, a 3A fuse must be fitted in the circuit.

TO CONNECT A PLUG

As the colour coding of the wires in the mains feed of the appliance may not correspond with the colour making 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, green/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.

TO LIGHT THE BOILER

- 1) Switch on the electricity supply and ensure the gas (see G, Fig. 2) is turned on.
- 2) Set boiler temperature to maximum (see B, Fig. 1).
- 3) Set the selector switch (A) (Fig. 1) to the required position. To the left for hot water only or to the right for hot water + central heating.
 - When the selector switch is set on the hot water position, the boiler will fire automatically when the hot water tap is open.
 - If the selector switch is on hot water + central heating position, ensure that any ancillary controls and the boiler time switch are in demand position, the boiler will fire automatically on central heating and hot water accordingly.

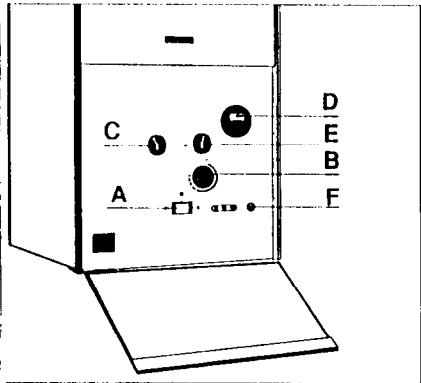


Fig. 1

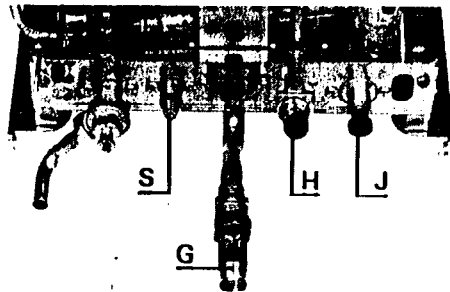


Fig. 2

PRODUCTION OF HOT WATER

This boiler is designed to give hot water at constant temperature and is fitted with a water regulator screw (S) (Fig. 2). This regulator is adjusted and set at the time of installation by the installer.

HEATING

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

The gas will be at high flame when the maximum output is required, in cold weather or on start up. When the appliance is connected to a vertical flue, the temperature adjustment must not be set below the midway position.

TO TURN OFF THE BOILER

Set the selector switch (A) to the centre position off (O) (see fig. 1). Turn off the electricity supply.

SECURITY FAULT

If the red indicator L.E.D. is alight, wait for 1 minute, then press on the manual reset button (F) (Fig. 1).

The burner will relight.

Should the problem persist, a fault is indicated. Turn off and contact your installer or your local Chaffoteaux et Maury service center.

CLEANING

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

SERVICING

To ensure that the appliance continues to work efficiently and has a long life, it is important that it is serviced annually by a competent person. Ask your installer or Gas Region for details of a regular service scheme or contact your Chaffoteaux et Maury regional service center.

GAS LEAKS OR FAULTS

If a gas leak or fault is suspected, turn off the appliance and consult your local Gas Region or contact your local Chaffoteaux et Maury service center.

CLEARANCES

These minimum clearances must be maintained for operation and servicing.

Top above air inlet duct	50mm (2in)	Sides	100mm (4in)
Bottom below case	150mm (6in)	Front	600mm (24in)

GUARANTEE

Your STERLING domestic boiler is fully Guaranteed for a period of one year from the date of purchase. Should a problem occur, Chaffoteaux et Maury Limited will supply and fit any component free of charge, providing that the malfunction is the result of faulty manufacture.

CONTROLS

INSTALLATION WITHOUT A ROOM THERMOSTAT

- Set the boiler thermostat (B) (Fig. 1) as required depending on the desired room temperature. To increase the heat turn to "+", to reduce the heat turn to "-". The temperature gauge 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 and this will automatically control the firing of the boiler to give the set room temperature.

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 gavity 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 (J) (Fig. 2) on the heating flow.
- Do not forget to open the valve at the start of the heating season when the selector is set to "hot water + central heating".

PRESSURE GAUGE (C)(Fig. 1)

This shows the water pressure in the central heating system. When cold it should read no less than .8 bar. This will increase as the system heats up. A pressure relief valve will operate at 3.0 bar. Your installer will be able to re-pressurise the system if necessary.

SELECTOR SWITCH

When set for hot water only (to the left) the boiler will only operate on demand for hot water.

When set for hot water + central heating (to right) 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.

SERVICE RECORD

Date	Work Carried Out	Name of Service Company

ESP306

Chaffoteaux et Maury Limited.

Trench Lock, Trench, Telford, Shropshire TF1 4SZ

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