

# Classic Combi FF 280

## User's Instructions

Wall Mounted, Fanned, Balanced Flue Gas Boiler

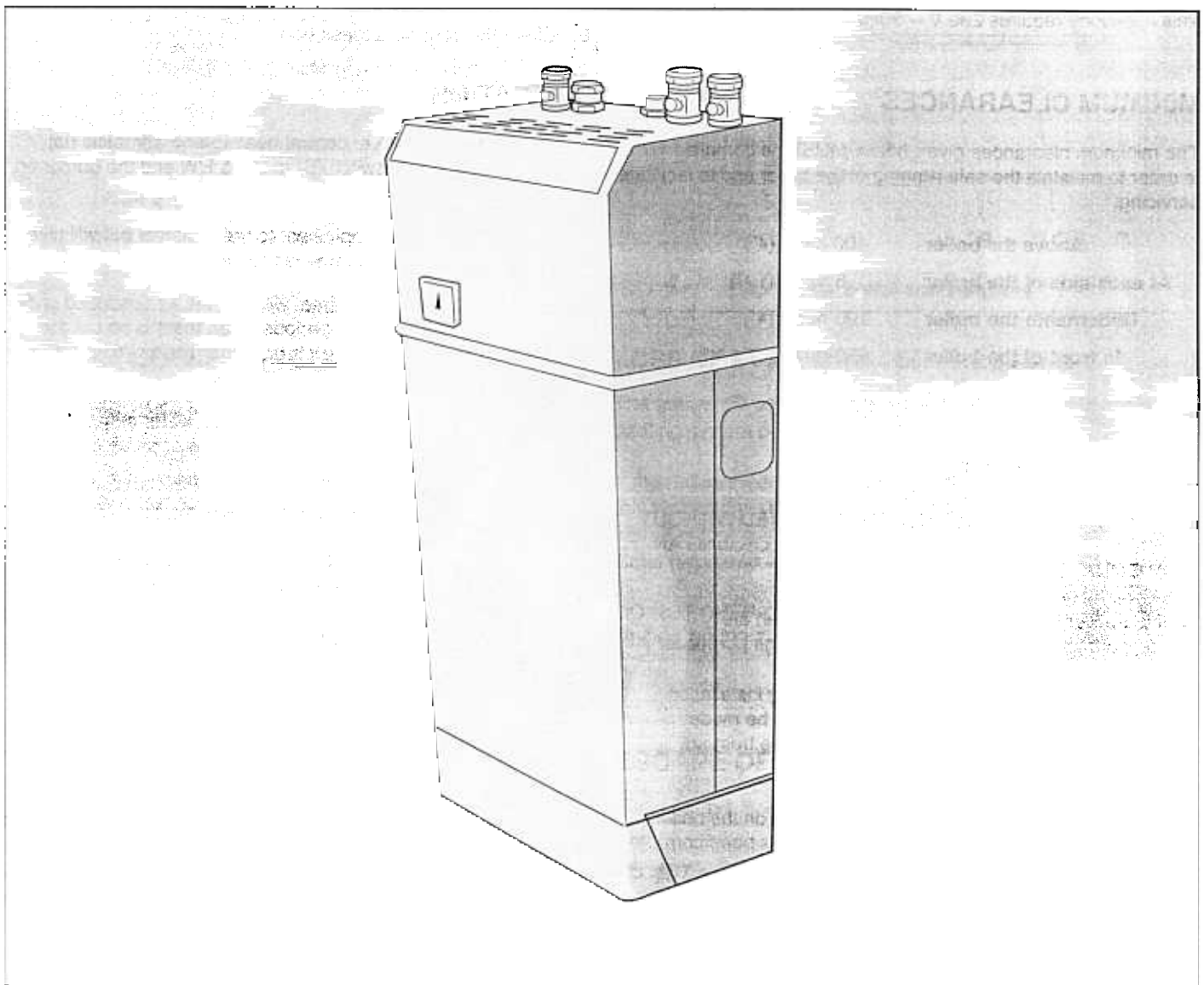
### Natural Gas Model

Classic  
FF 280

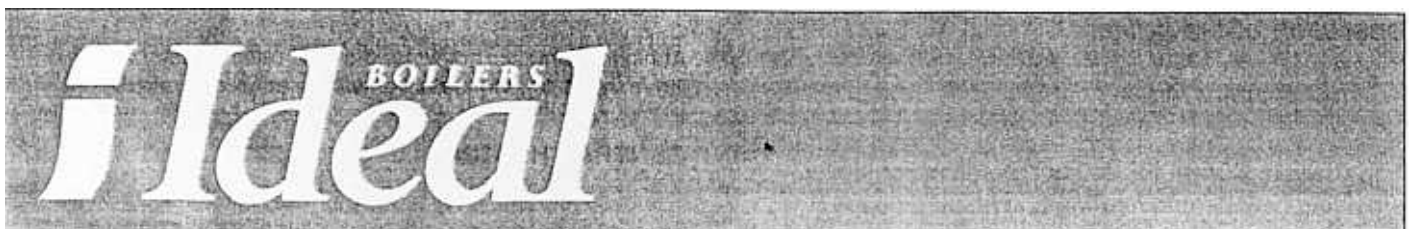
G.C. Appliance No.  
47 415 08

### CAUTION


To avoid the possibility of injury during the cleaning of this appliance care should be taken when handling the edges of sheet steel components.



**NOTE TO THE INSTALLER:** LEAVE THESE INSTRUCTIONS ADJACENT TO THE GAS METER



## GAS SAFETY (INSTALLATION AND USE) REGULATIONS, 1994.

It is law that **all** gas appliances are installed by a CORGI registered installer (identified by ) in accordance with the above regulations.

Failure to install appliances correctly could lead to prosecution. It is in your own interest, and that of safety, to ensure the law is complied with.

## ELECTRICITY SUPPLY

This appliance must be connected to the supply via a double pole switch fused at 3 Amps, having a 3mm (1/8") contact separation in both poles, serving only the boiler and system controls.

This appliance must be efficiently earthed

This appliance requires 230 V ~ 50Hz.

## MINIMUM CLEARANCES

The minimum clearances given below **MUST** be complied with, in order to maintain the safe running of the boiler and to facilitate servicing.

Above the boiler	100 mm	(4")
At each side of the boiler	5 mm	(1/4")
Underneath the boiler	100 mm	(4")
In front of the boiler	450 mm	(17 3/4")

## IMPORTANT NOTES

- THIS APPLIANCE MUST NOT BE OPERATED WITHOUT THE CASING CORRECTLY FITTED AND FORMING AN ADEQUATE SEAL.
- If the boiler is installed in a compartment then the compartment **MUST NOT** be used for storage purposes.
- The ventilation provided for the boiler during installation **MUST NOT** be blocked and a check should be made periodically that the ventilation areas are free from any obstruction.
- If it is known or suspected that a fault exists on the boiler then it **MUST NOT** be used until the fault has been corrected by a CORGI registered installer.

*It is essential that the instructions in this booklet are strictly followed, for safe and economical operation of the boiler.*

The **Classic Combi FF 280** is a combination boiler providing both central heating and instantaneous domestic hot water.

## TO LIGHT THE BOILER.

Refer to the illustration on page 3

- CHECK THAT THE ELECTRICITY SUPPLY TO THE BOILER IS OFF.
- Open the controls access door by hinging downwards.
- Ensure that the burner on/off switch (C) is OFF and the CH/HW switch (B) is set to HW ONLY. Also ensure that all hot water taps are turned OFF.
- Switch ON the electricity supply to the boiler and check that all external controls, e.g. programmer, room thermostat, etc. are ON.  
If a programmer is fitted then refer to the instructions provided.
- Set the burner on/off switch (C) to ON and the CH/HW switch (B) to the desired position. After about 15 seconds the boiler will light automatically - this can be viewed through the sight glass (A).
- Close the controls access door.

## OPERATION

In **winter conditions**, i.e. central heating and domestic hot water, set the CH/HW switch (B) to CH & HW and the burner on/off switch (C) to ON.

The boiler will fire and supply heat to the radiators but will give priority to domestic hot water when required.

The domestic hot water pre-heat will operate as described under 'summer conditions', during periods when there is no call for central heating, i.e. when the programmer and/or room thermostat is OFF - unless it is also timed.

For **summer conditions**, i.e. domestic hot water only, set the CH/HW switch (B) to HW ONLY and the burner on/off switch (C) to ON.

The boiler will fire for approximately 3 minutes at low rate, to pre-heat the domestic hot water calorifier. Thereafter it will fire periodically for a few seconds in order to maintain the temperature. This will occur 24 hours a day unless a programmer is fitted, allowing the pre-heat to be timed - refer to the separate Programmer Instructions.

### Note.

*With timed domestic hot water pre-heat, the domestic hot water may take longer to attain maximum temperature at the beginning of the ON periods.*

## CONTROL OF WATER TEMPERATURE

### DOMESTIC HOT WATER

The domestic hot water draw-off temperature is limited by the low rate gas control to approximately 70°C at the minimum water draw-off rate of about 3.5 litre/min. (0.8 gpm).

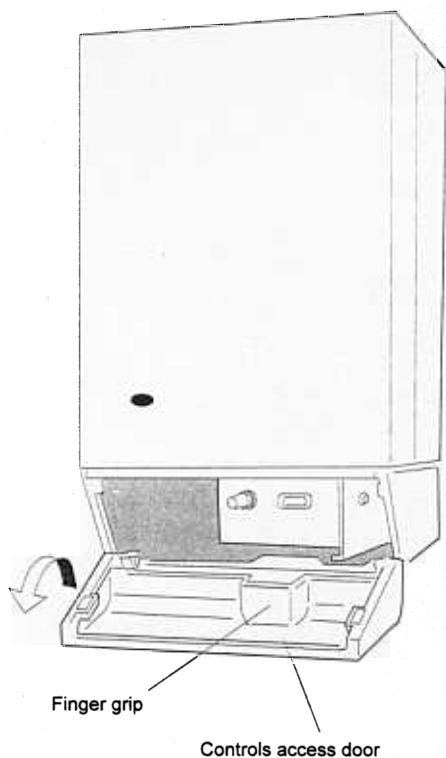
Additionally, the draw-off temperature is controlled by adjusting the flow rate at the tap - the lower the draw-off rate, the higher the temperature, and vice versa.

At higher domestic hot water draw-off rates (greater than 6.0 litre/min. - 1.3 gpm) the boiler will fire at full gas rate.

### CENTRAL HEATING

The boiler control, firing at full gas rate, automatically maintains the central heating radiator temperature at approximately 80°C.

## BOILER CONTROLS



### LEGEND

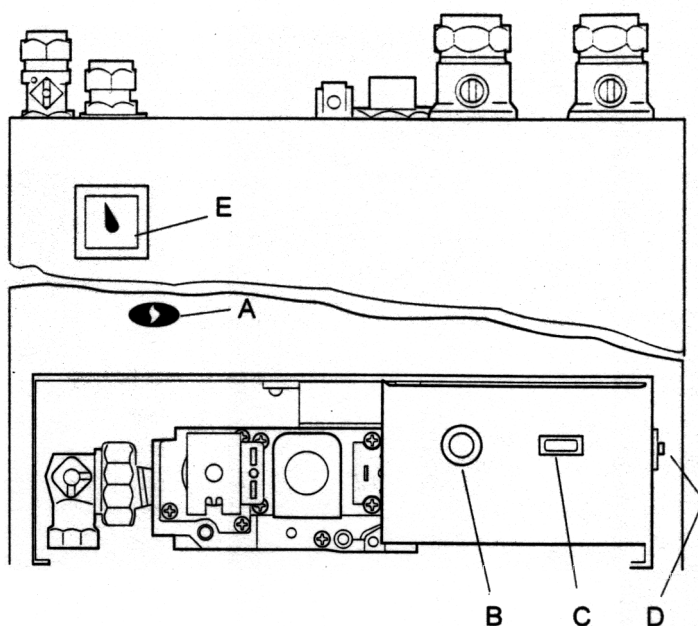
A Sightglass

B CH. /HW. Switch

C Burner On / Off switch

D Overheat thermostat reset button

E Central heating pressure gauge



View inside boiler controls area

## TO SHUT DOWN THE BOILER

### 1. For short periods

Set the burner on/off switch (C) to OFF.  
When heating is again required, reset the switch to ON.

### 2. For longer periods

Set the burner on/off switch (C) to OFF.  
Switch the electricity supply to OFF.

### WARNING.

If no frost protection is provided and frost is likely during a short absence from home, leave the heating controls (if fitted) at a reduced temperature setting.

For longer periods, the entire system should be drained - including the domestic water supply. If the system includes a frost thermostat then, during cold weather, the boiler should be turned OFF at the time switch(es) ONLY. The mains supply should be left switched ON, with the boiler thermostat left in the normal running position.

## BOILER OVERHEAT THERMOSTAT

The boiler is fitted with a safety 'cutout' thermostat. This will shut down the boiler in the event of overheating. Should this occur allow the boiler to cool, press the overheat reset button (D) then relight as detailed in steps 1-5 in 'To light the boiler'.

If the cutout condition still persists turn off the boiler and consult a Corgi registered installer.

*Classic Combi FF - User's*

## LOSS OF SYSTEM WATER PRESSURE

The gauge (E) on the Combi module indicates the central heating system pressure.

If the red arrow on the pressure gauge (E) is set above zero and the system pressure is seen to fall below this value over a period of time then a water leak is indicated. In this event a Corgi registered installer should be consulted.

**DO NOT OPERATE THE BOILER IF THE PRESSURE HAS REDUCED TO ZERO FROM THE ORIGINAL SETTING.**

## ESCAPE OF GAS

Should a gas leak be suspected, contact your local gas supplier without delay.

**Do NOT search for gas leaks with a naked flame.**

## CLEANING

For normal cleaning simply dust with a dry cloth.

To remove stubborn marks and stains, wipe with a damp cloth and finish off with a dry cloth.

**Do NOT use abrasive cleaning materials.**

## MAINTENANCE

The appliance should be serviced at least once a year by a Corgi registered installer.



**THIS SYMBOL IS YOUR  
ASSURANCE OF QUALITY**

These appliances are designed for use with Natural Gas only. They have been tested and conform with the provisions of BS. 6332 and BS. 5258.



**CERTIFIED PRODUCT**  
Manufactured under a BS EN ISO 9001: 1994  
Quality System accepted by BSI

**Customer Care & Technical Support**

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**i** **Boilers**  
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