

THE WHITE BOILER COMPANY

HIGH EFFICIENT CONDENSING SYSTEM BOILER

USER'S GUIDE WH SYSTEM 6-24 / 9-32 (T)

It is the law that all gas appliances are installed by a competent person, in accordance with the gas safety installation and to the current Gas Safety (Installation and Use) Regulations B.S.5440:2-(2000).

All registered installers carry a Gas Safe Register ID card and have a registration number. Both should be recorded in your boiler Log book. You can check your installer on the Gas Safe Register.



ESCAPE OF GAS

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

GAS EMERGENCY NUMBER: 0800111999

Do NOT search for gas leaks with a naked flame.

WARNING: This appliance must be earthed.

1 INTRODUCTION

1.1 Please carefully read the information given in this booklet to help you gain maximum control from your appliance with minimum trouble and cost.

1.2 The WH System 6-24 / 9-32 boilers are a fully automatic, wall mounted, room sealed condensing high efficiency boiler for central heating and hot water with a separate indirect hot water storage cylinder is also incorporated in the system. The system boilers which incorporates a circulation pump, expansion vessel, safety valve, pressure gauge and electronic ignition.

PLEASE NOTE:

Due to the high efficiency and resulting low flue gas exhaust temperature a white plume of condensation vapour (cool steam) will be emitted from the flue outlet terminal, this is quite normal. It will be particularly evident during periods of low outdoor temperature or when the boiler is working at its optimum performance (Plume Management kit is available on request).

IMPORTANT:

in the event of the exhaust flue gases exceeding the overheat temperature setting, the boiler operation will be stopped to prevent damage to the appliance.

1.3 CLEARANCES AROUND THE BOILER

Above 125 mm
Below 75 mm min. recommended 150 mm
Front 450 mm
Sides 5 mm min. recommended 50 mm right side
25 mm in front when installed in a cupboard.

1.3.1 Minimum clearances are required for safety and maintenance. Do NOT obstruct any purpose made ventilation opening if boiler has been fitted in a compartment.
Never hang clothes, etc, over the appliance.

1.4 USER CONTROLS (Fig.1)

1.4.1 This appliance is designed to operate with the minimum of attention by the User. All the controls are to be found on the control panel.

1.5 OPERATING SAFETY CHECKS TO PROTECT YOUR APPLIANCE

1.5.1 Before lighting the appliance check the system pressure (pressure gauge fig.1) is not less than 1 bar. If it is below, it will be necessary to repressurise the system, as the appliance requires system pressure to be maintained between 1 and 1.5 bar to allow the boiler to operate. A filling device (filling loop) will have been fitted on the system. This will be usually on pipework near to the boiler. If you are unsure of its position, or cannot identify it, consult the installer who fitted the boiler.

The filling loop consists of two taps and a separate silver coloured braided flexible pipe with connection fittings. Only when repressuring should the braided flexible pipe be connected between the two taps. Ensure that the nuts or the pipe ends are tightened onto the taps.

Fully open one of the taps first and then while watching the pressure gauge, carefully open the second tap. When the needle on the gauge is indicating above 1 with a maximum of 1.5 bar turn both taps off.

Disconnect the flexible pipe from the taps (a small amount of water may be present) and remove it. Keep the pipe in a safe place for future use.

1.5.2 In the event of an error display at in the appliance there will be a sequence code (Table of sequence codes page 4) displayed on the Digital Display of the control panel (fig. 1).
By pressing the "RESET" button (fig. 1) for 1 to 3 seconds it is possible to relight the boiler.

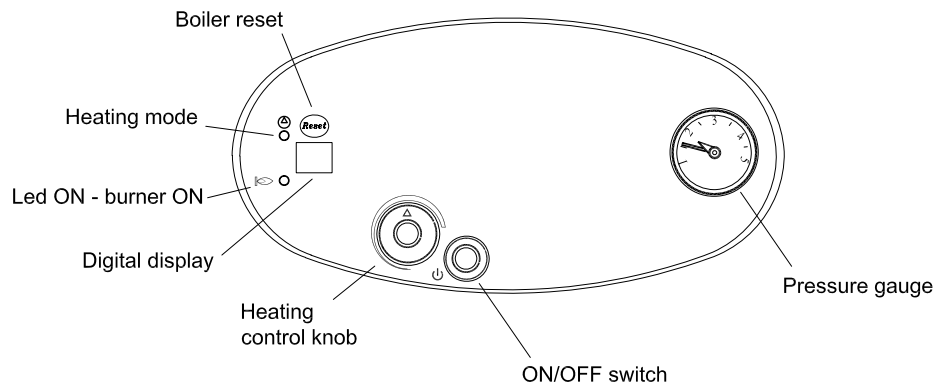


Fig.1

If the reset has been attempted and the sequence code persists, leave the appliance turned off and consult your installer/service engineer.

1.6 SEQUENCES CODES

The boiler may display a sequence code if a fault as occurred (Table of sequence codes page 4).

2 OPERATING MODE

2.1 Switch on the ON/OFF switc, adjust the room thetmostat and/or thermostatic radiator valves to high settings.

2.2 Burner will operate, temperature output of Central Heating can be adjusted by Heating Control Knob (Fig.1). The knob can be set between minimum (40°C) and maximum (85°C), as the control knob is rotated the temperature display flashes. Adjust external controls to required settings.

NOTE: An Anti-cycling device is fitted to the Heating Function. When the boiler reaches its set maximum temperature it will not operate on heating for about 10 minutes, but if the heating temperature return goes 20°C below the set point, the burner will restart immediately.

3 TO SHUT DOWN THE APPLIANCE

For long periods switch off the ON/OFF switch (Fig.1). If the appliance is to be shut down for long periods when there is a risk of freezing, the appliance should be drained. Refilling must be done by a competent person, as set out in installation manual.

4 CLEANING OF APPLIANCE OUTER CASING

Use a clean damp cloth. Do not use any abrasive cleaners and with a dry cloth lightly polish to protect painted surfaces. Control Panel can be wiped with damp cloth and dried. Spray polishes must not be used on control panel surfaces or switches. Care must be taken in preventing any liquids entering the appliance.

5 CARE OF YOUR APPLIANCE AND SYSTEM

Annual servicing of your appliance is required to maintain safety and efficiency of its operation. Therefore, it is recommended that **the appliance is serviced at least once a year** and that the whole of the Heating System be checked at the same time by a competent person. 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 **COMPETENT PERSON**. It is essential that the Instructions in this booklet are strictly followed for safe and economic operation of the boiler.

BOILER FROST PROTECTION

The appliance has a built in frost protection device that protects the boiler from freezing. With the gas and electric supplies ON and irrespective of any room thermostat setting, the frost protection device will operate the pump when the temperature falls below 10°C and will operate the burner when the temperature falls below 5°C. The burner will switch off when the temperature reaches 27°C. When the frost protection device operates "AF" is displayed on the digital display.

IMPORTANT NOTE:

The system should be protected by incorporating a system frost thermostat.

Table of sequence codes

- 01: Interruption of gas supply or flame failure**
- 04: Over operating temperature heating probe or system requires correctly setting on boiler**
- 12: Central Heating NTC sensor or NTC sensor wiring fault**
- 17: Fan or fan wiring fault**
- 28: Water pressure system too low (see sect. 1.4.1) or circulation fault**
- 30: Flue overheat temperature**
- 31: Flue NTC sensor or flue NTC sensor wiring fault**

IMPORTANT:

If the reset has been attempted and the sequence code persists leave the appliance turn off and consult your installer/service engineer immediately quoting the sequence code numbers.

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