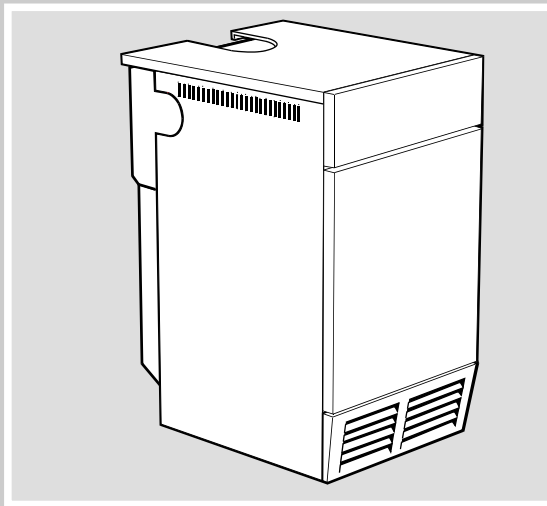


USERS GUIDE



British/Scottish Gas RD2

the floor standing boiler

440 - 4125 RD2

Floor standing, gas
fired fanned flue boiler

British Gas
Scottish Gas

The logos for British Gas and Scottish Gas, featuring stylized flame icons to the right of the text.

British Gas:

(Any internal reference to British Gas applies equally to Scottish Gas)

The British Gas RD2 is a range of cast iron floor standing gas central heating boilers. A complete range of natural gas models is available.

The ideal replacement boiler...

Easy to install, easy to operate and easy to service. The British Gas RD2 really is the ultimate replacement floor standing range - you can depend on it.

Proven reliability...

Proven cast iron heat exchanger engineered and refined to be the most dependable floor standing boiler ensuring totally calm operation and quiet running, whatever the system demands.

Complete range...

There are 7 models in the range. All models include an overheat thermostat and a Flue Directional kit for side and top outlet installations.

Full system suitability...

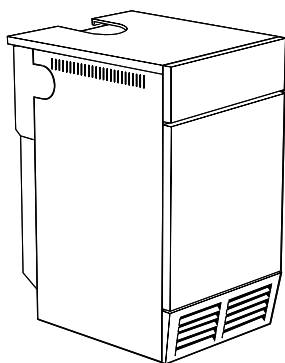
All models are suitable for connection to pumped open vent central heating systems, pumped central heating combined with pumped or gravity indirect domestic hot water supply systems. They can also be used on sealed water systems.

Free Three Star Service Cover:

In addition to the guarantee, we will provide absolutely free a British Gas Services Three Star Service Cover agreement to cover your complete new system during the first year. The benefits of this cover include priority attention and a 24 hours a day 365 days a year helpline. Full details of the terms and conditions for Three Star Cover schemes are available separately on request.

British Gas RD2 (Natural Gas Models Only)

440 RD2G.C. No. 41 392 33
450 RD2G.C. No. 41 392 34
460 RD2G.C. No. 41 392 35
470 RD2G.C. No. 41 392 36
480 RD2G.C. No. 41 392 37
4100 RD2G.C. No. 41 392 72
4125 RD2G.C. No. 41 392 73



Certified - P.I. No. 87 BL 30

Destination Countries: GB

Introduction

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

Current Gas Safety (Installation & Use) Regulations or rules in force.

In your own interest, and that of safety, it is the law that this boiler must be installed by a CORGI registered installer, in accordance with all national and local regulations.

Electricity Supply

This appliance must be efficiently earthed.

Supply: 230 V ~ 50 Hz. The fusing should be 3A.

Connection must be made in a way that allows complete isolation of the electrical supply such as a double pole switch having a 3mm (1/8") contact separation in both poles, or a plug and socket, serving only the boiler and system controls. The means of isolation must be accessible to the user after installation.

All CORGI registered installers carry a CORGI ID card and have a registration number. Both should be recorded in your **Benchmark** Log Book. You can check your installer by calling CORGI direct on 01256 372 300.

THE LOG BOOK SHOULD BE COMPLETED AFTER EACH SERVICE AND KEPT WITH THESE INSTRUCTIONS.



Remote appliance diagnostic system

This appliance is capable of automatically communicating operational data to a central computer processing system via the house ring main and telephone line, known as 'Remote Appliance Diagnostic System' (RADS).

The information is transmitted in the early hours of the morning once every 30 days, or immediately if the boiler develops a fault. If an attempt is made to use the telephone during the transmission, some interference will be heard. In this event replace the receiver and try again after 30 seconds.

Important Points

- 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.
- Flammable materials must not be placed in close proximity to the appliance. Materials giving off flammable vapours must not be stored in the same room as the appliance.
- Under **NO** circumstances should any of the sealed components on this appliance be used incorrectly or tampered with.

In cases of repeated or continuous shutdown a CORGI registered installer should be called to investigate and rectify the condition causing this and carry out an operational test after each intervention on the device. Only the manufacturer's original parts should be used for replacement.

Minimum clearances

A clearance of 533mm (21") **MUST** be available at the front of the boiler for servicing.

The minimum clearances given in Table 1 **MUST** be complied with, in order to maintain the safe running of the boiler.

To light the boiler. Refer to Frame B

- Check that the electricity supply to the boiler is OFF.
- Open the control panel drop-down door and ensure that the thermostat knob (A) is in the OFF position.

- Switch ON the electricity supply to the boiler and check that all external controls, e.g. programmer, room thermostat etc., are ON.
- Set the boiler thermostat knob (A) to position 6. After about 25 seconds the boiler will light automatically and the 'Burner On' neon (B) will illuminate. Set the boiler thermostat to the desired position.
- Close the control panel door.

Note. If the boiler fails to light after 5 attempts consult a CORGI registered installer.

Winter conditions (i.e. central heating and domestic hot water).

The thermostat should be positioned at setting 5 or 6.

Summer conditions (i.e. domestic hot water only). The thermostat should be positioned at setting 3.

These settings are offered for general guidance only and other settings may be found preferable, dependent upon the type of system installed or as recommended by the installer.

Control of water temperature

- Set the boiler thermostat knob (A) to give the required temperature for central heating.
- The boiler thermostat automatically switches the main burner OFF and ON to maintain the selected temperature.

To shut down the boiler

- For short periods**
Turn the boiler thermostat knob (A) to OFF. When heating is again required, restore the knob to its original setting.
- For longer periods**
 - Turn the boiler thermostat knob (A) to OFF.
 - Switch the electricity supply to OFF.

To relight the boiler

Repeat the procedure 1 - 5 detailed in 'To light the boiler'.

Frost protection

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 -

A BOILER CLEARANCES

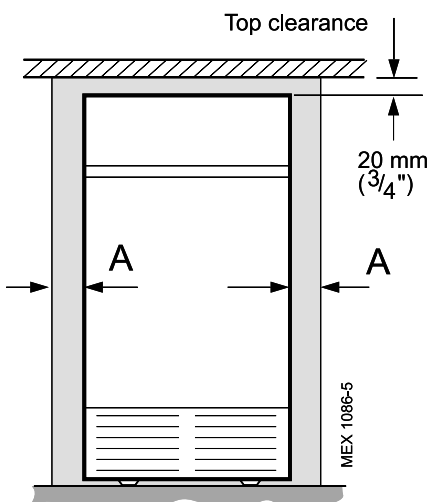


Table 1

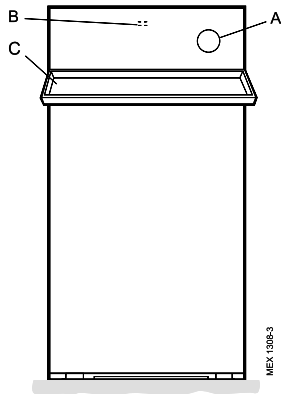
Boiler Model	Flue Length mm (in.)	Dimension A	
		Rear Flue mm (in.)	Side/Top flue mm (in.)
440, 450 460, 470 480, 4100	Up to 600 (23 5/8)	10 (3/8)	35 (1 3/8)
4125	600 to 3000 (23 5/8 to 118)	55 (2 1/4)	55 (2 1/4)
440, 450 460, 470 480	600 to 3000 (23 5/8 to 118)	35 (1 3/8)	35 (1 3/8)
4100	600 to 2000 (23 5/8 to 78 3/4)	35 (1 3/8)	35 (1 3/8)
4125	600 to 1000 (23 5/8 to 39 1/4)	55 (2 1/4)	55 (2 1/4)

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

B BOILER CONTROLS

LEGEND

- A. Boiler thermostat knob.
- B. Main burner 'On' neon.
- C. Control panel door.



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 (if fitted) 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 thermostat will shut down the boiler in the event of overheating. Should this occur turn off the boiler and consult a CORGI registered installer .

Loss of system water pressure (Boilers fitted with sealed system unit)

If the red arrow on the system pressure gauge 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 FIRE THE BOILER IF THE PRESSURE HAS REDUCED TO ZERO FROM THE ORIGINAL SETTING

Escape of gas

Should a gas leak or fault be suspected, contact your 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 .

Note. *The appliance model is given on the data plate, located on the front of the boiler base plate, behind the grille assembly.*

This boiler is exclusively manufactured for British Gas by Ideal Boilers



The code of practice for the installation, commissioning & servicing of central heating systems

British Gas Services Limited is a member of the Benchmark initiative and fully supports the aims of the programme. Benchmark has been introduced to improve the standards of installation and commissioning of central heating systems in the UK and to encourage the regular servicing of all central heating systems to ensure safety and efficiency.



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 BS1



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British Gas pursues a policy of continuing improvement in the design and performance of its products. The right is therefore reserved to vary specification without notice.

August 2001

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If you have impaired hearing and use a text phone please call us on 0845 6 040 345

British Gas 

Scottish Gas 

Priority Helpline 08459 500 400