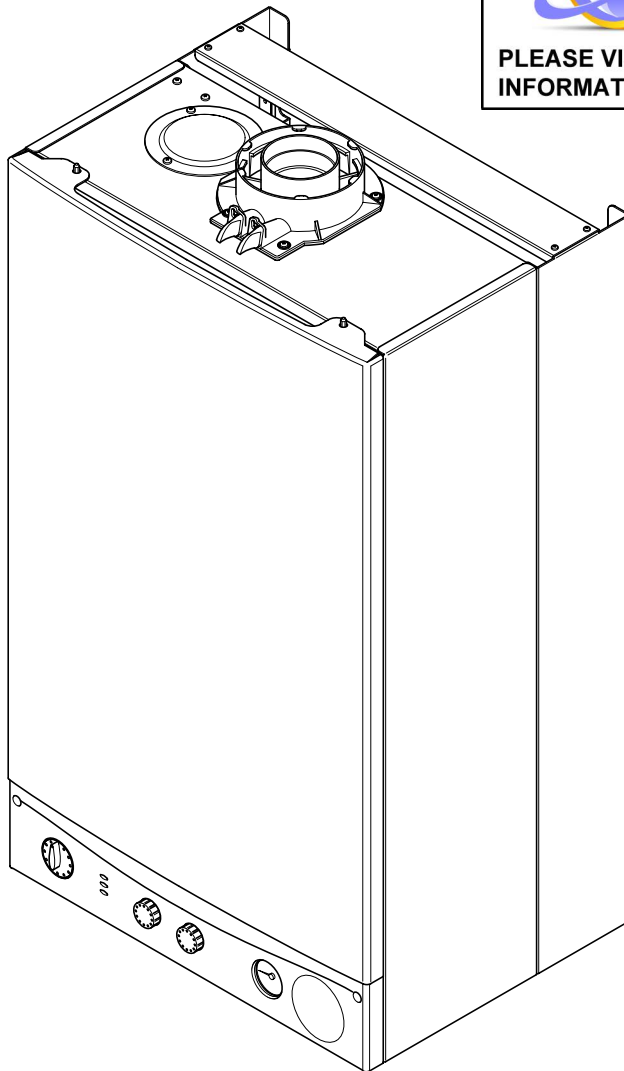


MAIN

User's Guide and Important Warranty Information

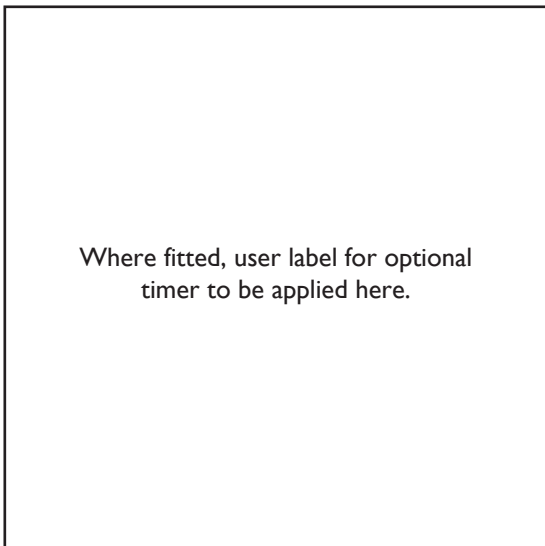
Combi 24 HE



Please keep these instructions in a safe place.
If you move house, please hand them over to the next occupier.

Natural Gas

Main Combi 24 HE
G.C.N° 47 474 02



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The Benchmark Scheme

Baxi Heating UK Ltd is a licensed member of the Benchmark Scheme which aims to improve the standards of installation and commissioning of domestic heating and hot water systems in the UK and to encourage regular servicing to optimise safety, efficiency and performance.

Benchmark is managed and promoted by the Heating and Hotwater Industry Council. For more information visit www.centralheating.co.uk

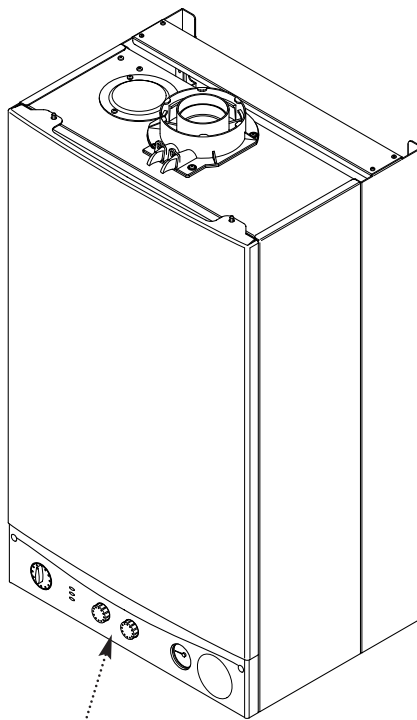
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The Company Secretary, Baxi Heating UK Ltd,
Brooks House, Coventry Road, Warwick, CV34 4LL

Full acknowledgement of author and source must be given.

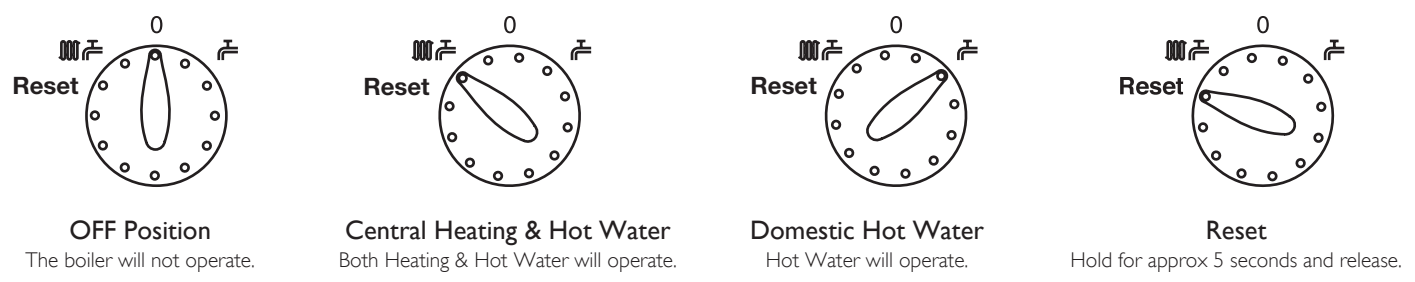
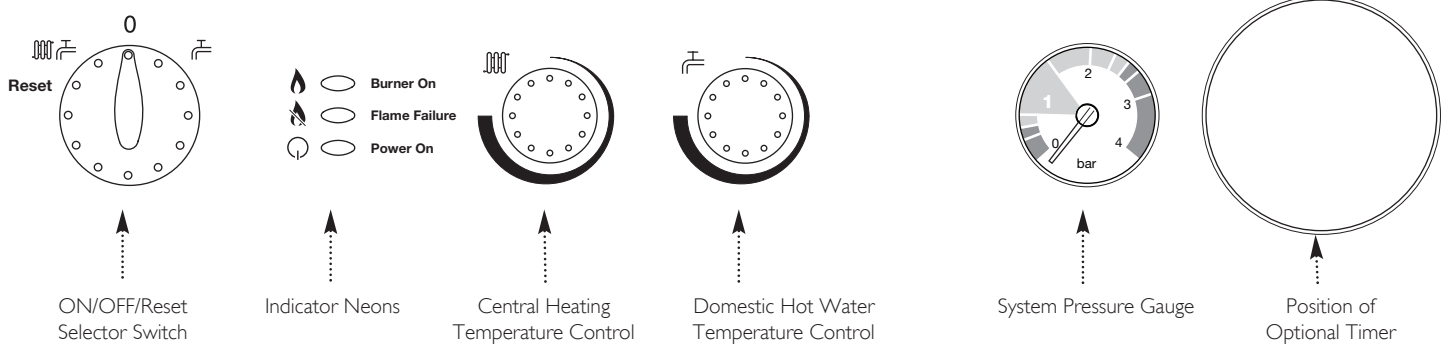
WARNING: Any person who does any unauthorised act in relation to a copyright work may be liable to criminal prosecution and civil claims for damages.



Boiler Controls - see opposite page for Operating Quick Reference Guide



ISO 9001
FM 00866



Indicator Neons

- Burner On** - The indicator will illuminate when the burner has fired and is heating your central heating or domestic hot water.
- Flame Failure** - The indicator will illuminate when the burner has not fired.
- Power On** - The indicator will illuminate when there is power to the boiler.

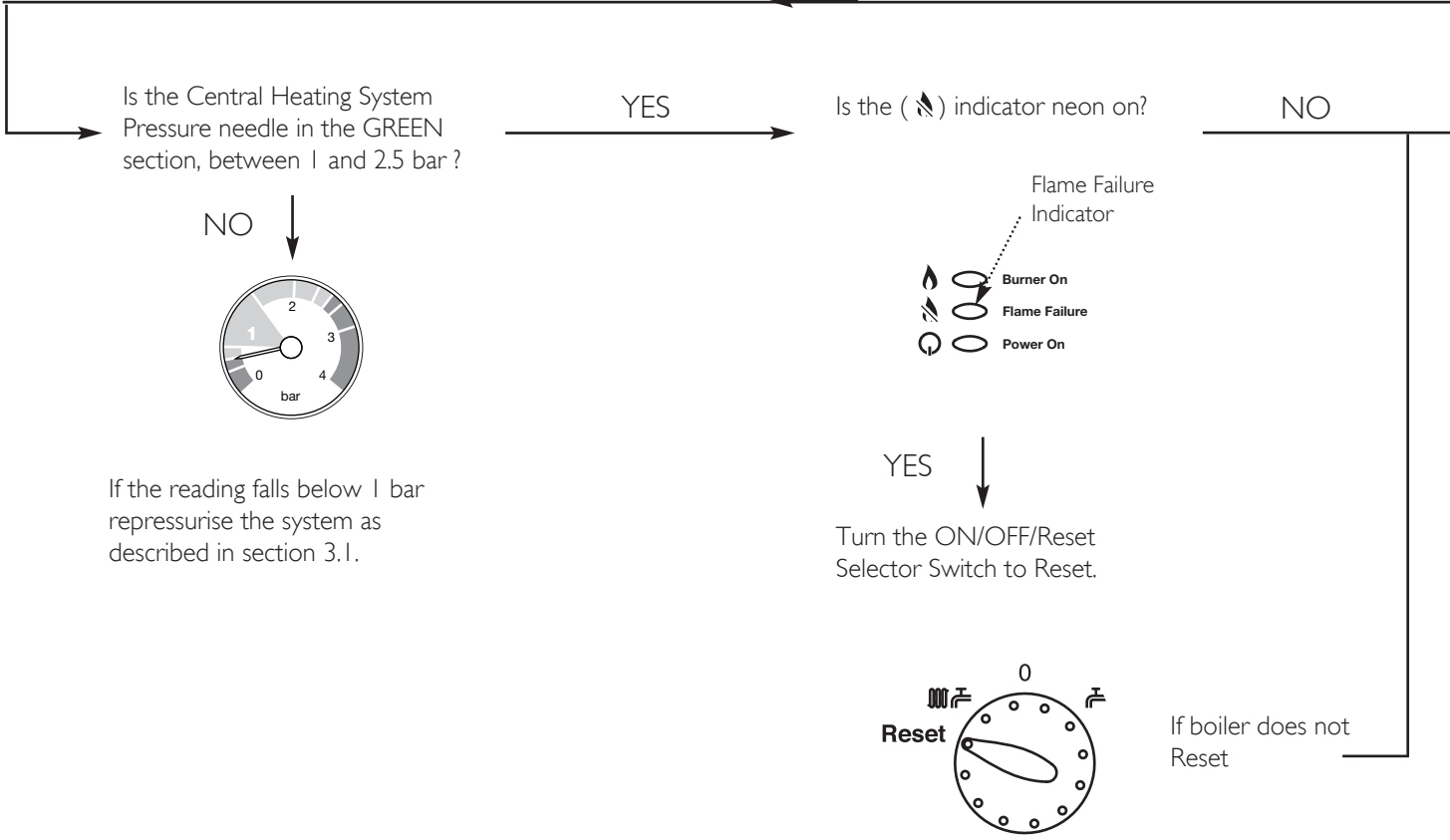
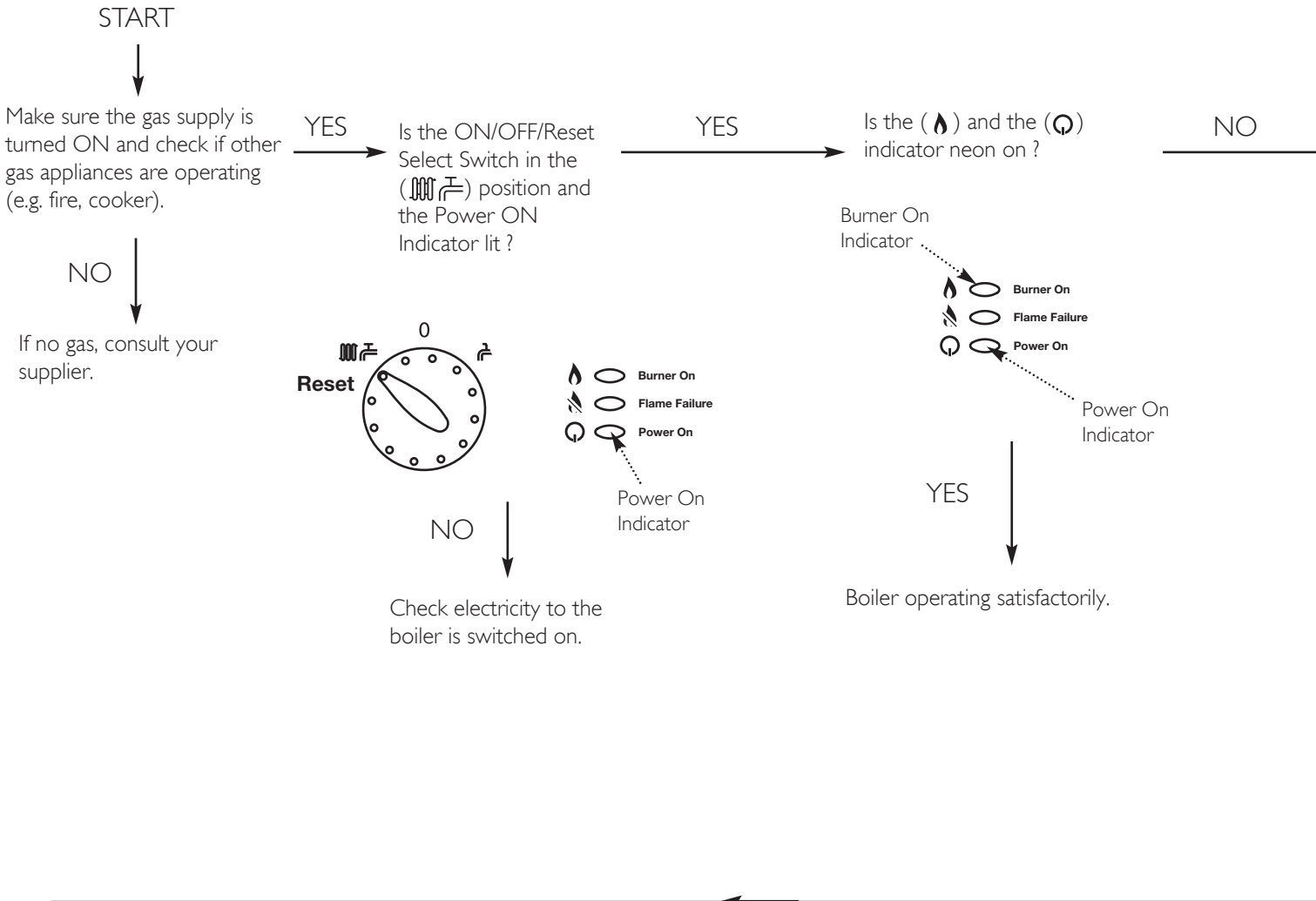
Central Heating Temperature Control
Turn the knob clockwise to increase or anticlockwise to decrease the temperature. Range 35 - 85° C.

Domestic Hot Water Temperature Control
Turn the knob clockwise to increase or anticlockwise to decrease the temperature. Range 35 - 65° C.

Central Heating System Pressure - The normal operating water pressure is shown when the needle is between 1 and 2.5 bar. If the pressure exceeds 3 bar the safety pressure valve will operate and a fault is indicated. Contact your Installer.

2.0 Troubleshooting

Boiler not working



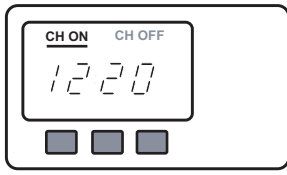
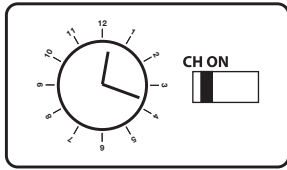
Is the Timer ON and calling for heat ?

YES

Is the Room Thermostat (if fitted) set high enough ?

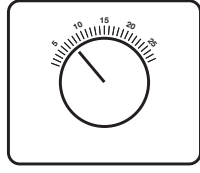
YES

Typical examples of external timer



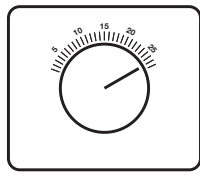
NO

Ensure timer is set for Central Heating ON (see any instructions supplied with timer).



NO

Turn Room Thermostat to maximum setting (typical example shown).



CONTACT YOUR INSTALLER OR SERVICE ENGINEER.

If you don't know what you need to do to get the boiler to light, or need help with the system and controls, contact your installer as soon as possible.

3.0 Repressurising the System

3.1 Central Heating System Pressure

1. The water pressure in the central heating system is indicated by the pressure gauge.

2. With the system cold and the boiler not operating the pressure should be at least 0.5 bar. During operation the pressure should not exceed 2.5 bar, and will normally be between 1.0 and 2.0 (Fig. 1).

3. A pressure of 3 or greater indicates a fault. The safety pressure relief valve will operate at a pressure of 3 (Fig. 3). **It is important that your Installer or Service Engineer is contacted as soon as possible.**

4. The minimum pressure for correct operation is 0.5. If the pressure falls below 0.5, this may indicate a leak on the central heating system (Fig. 2).

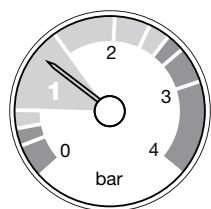


Fig. 1

Normal Pressure

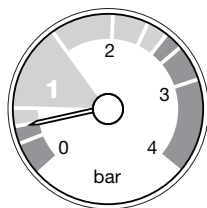


Fig. 2

Requires
Repressurising

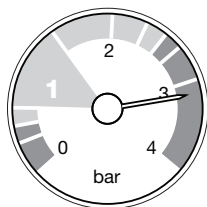


Fig. 3

Fault

3.2 To Repressurise the System

1. The procedure is for the optional filling loop kit when fitted. However, even if your boiler has an external loop, the principle is similar.

2. Look at the boiler from underneath. There will be two taps at the end of copper pipes, one with a blanking cap on the end. Do not operate these taps yet.

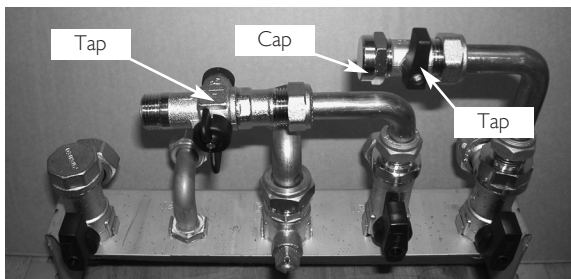
3. Your installer will have left a metal braided hose (the 'filling loop') with you for safe keeping.

4. This loop **MUST** be connected to the taps. Remove the blanking cap and set aside.

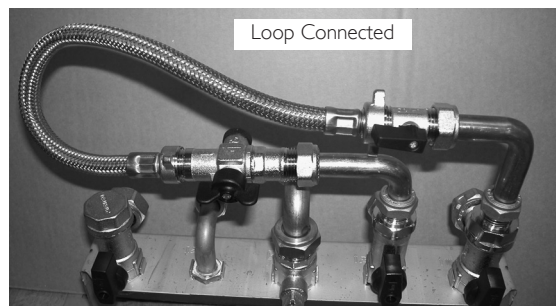
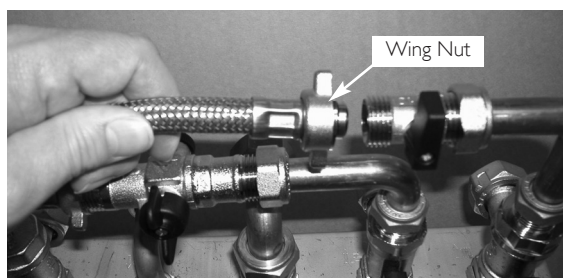
5. Connect the loop to the taps with the wing nuts. These should be hand tightened.

6. Carefully open the handles on both taps and check the boiler pressure gauge. Once the needle on the gauge is above the 0.5 mark both taps can be closed.

7. Undo the two wing nuts, remove the loop and refit the blanking cap. Put the loop in a safe place for future use.



Boiler Taps & Connections, as viewed from underneath









4.0 Fault Indication







4.1 Fault Indication

1. Your Main Combi 24 HE has three neon indicators. The upper two function as boiler on and fault indicators.
2. Depending on the nature of the fault the upper two neons will illuminate, go off or flash.
3. There are five possible combinations, each indicating one or more fault conditions. These are described below.







A

	Off			Burner On
Fast Flashing (2 every second)				Flame Failure
	On			Power On







B

	Off			Burner On
Slow Flashing (1 every 2 seconds)				Flame Failure
	On			Power On







C

Slow Flashing (1 every 2 seconds)				Burner On
Slow Flashing (1 every 2 seconds)				Flame Failure
	On			Power On

D

Slow Flashing (1 every 2 seconds)				Burner On
	On			Flame Failure
	On			Power On

E

	Off			Burner On
	On			Flame Failure
	On			Power On

A
The flue or flue terminal is blocked or obstructed in some way, or there is an internal fault.

If there is no external blockage of the flue that can be easily removed contact your Installer or Service Engineer.

B
The circulating pump is faulty or the system pressure has dropped. Check the system pressure (see page 7). If the pressure is in the normal range a pump fault is indicated. Contact your Installer or Service Engineer.

C
A fault on the boiler temperature sensor is indicated. Contact your Installer or Service Engineer.

D
The primary system or the boiler has overheated. Allow the boiler to cool. Turn the selector switch fully anti-clockwise against the spring pressure to the 'Reset' position and hold for at least 2 seconds.

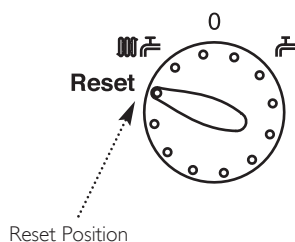
If this occurs repeatedly contact your Installer or Service Engineer.

If the boiler does not relight after resetting it is possible that the flue has overheated. Contact your Installer or Service Engineer.

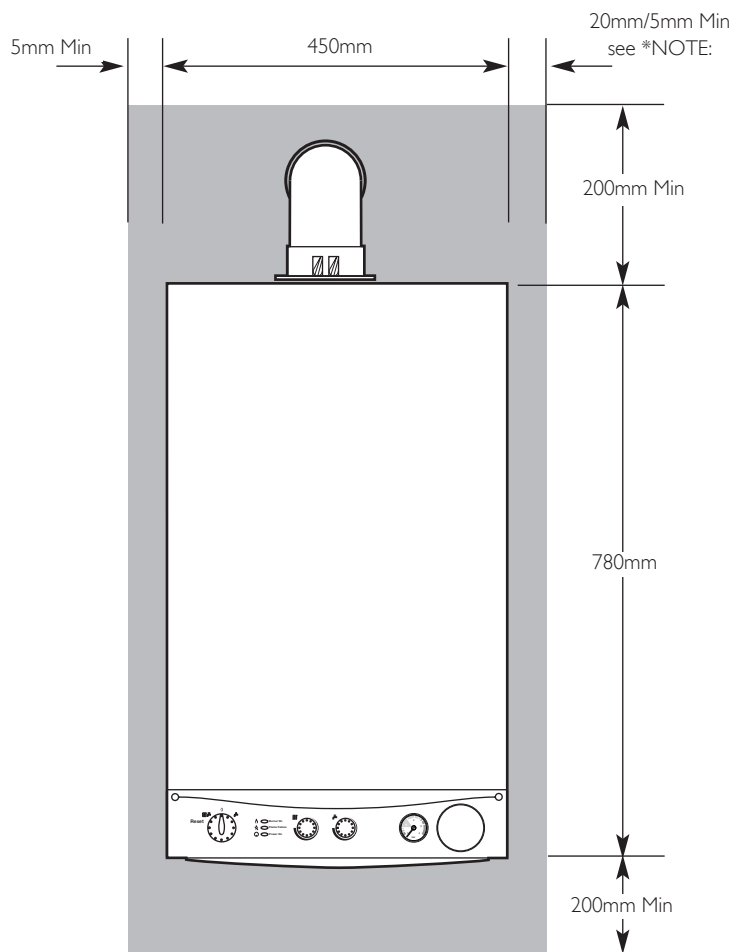
E
The burner has failed to light, or incomplete lighting of the burner has occurred. Turn the selector switch fully anti-clockwise against the spring pressure to the 'Reset' position and hold for at least 2 seconds.

If this occurs repeatedly contact your Installer or Service Engineer.

If the boiler does not relight after resetting blockage of the condensate drain or trap has occurred. Contact your Installer or Service Engineer.



5.0 Clearances & Cleaning



5.1 For your Safety

1. This appliance must have been installed in accordance with the manufacturer's instructions and the regulations in force.
2. Any modification that may interfere with the normal operation of the appliance without express written permission from the manufacturer or his agent could invalidate the appliance warranty. In GB this could also infringe the Gas Safety (Installation and Use) Regulations.

GB - Heating Industry definition meaning England, Scotland, Wales, Northern Ireland, Isle of Man and the Channel Isles

3. Your boiler must not be operated without the casing correctly fitted.
4. Do not interfere with any sealed components on this boiler.
5. Take note of any warning labels on your boiler.
6. Your boiler should have the following minimum clearances for Safety and Maintenance (Fig. 34):-

Top	- 200mm
Bottom	- 200mm
Left side	- 5mm
Right Side	- 5mm
Front	- 5mm (In Operation)
	- 450mm (For Servicing)

*** NOTE:** The boiler can be operated with a clearance of 5mm at the right. This is also sufficient for routine maintenance. However a clearance of 20mm is required if it is necessary to remove the secondary heat exchanger. This should be considered when siting the appliance and in the event of any subsequent alteration in the area of installation.

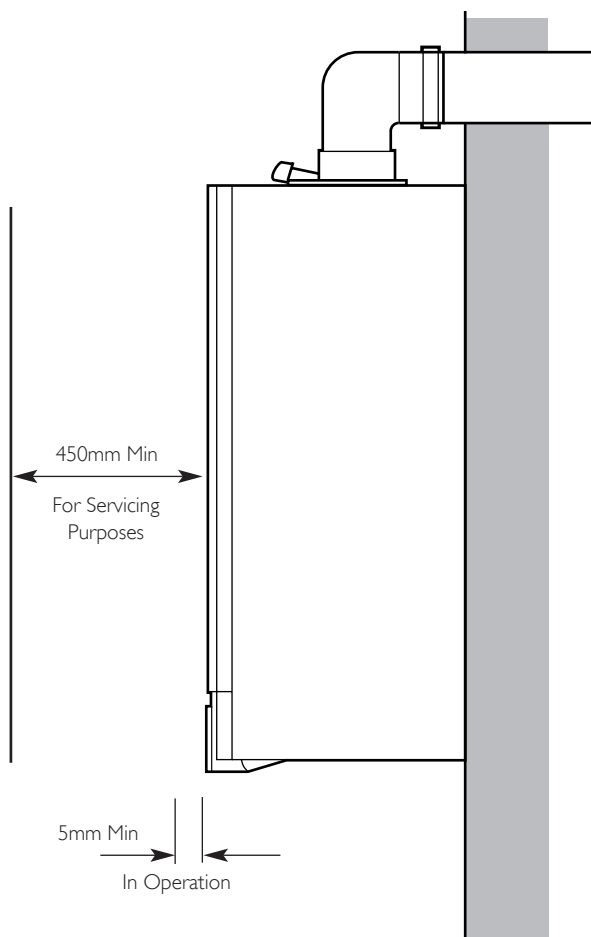


Fig. 4

7. If your boiler is installed in a compartment, do not use it for storage purposes. Do not obstruct any purpose provided ventilation openings.
8. Flammable materials must not be stored in close proximity to your boiler.
9. Avoid skin contact when your boiler is in operation, as some surfaces may get hot e.g. pipework.
10. Ensure that the flue terminal, outside the house, does not become damaged or obstructed, particularly by foliage.
11. It is important that the condensate drain system is not blocked, modified or damaged in any way as this would affect the operation of your boiler. Your installer should have insulated any exposed pipework.

5.2 Cleaning the Outer case

The painted panels should be wiped with a damp cloth and then dried completely. **DO NOT USE ABRASIVE CLEANING AGENTS.**

6.0 Legislation

6.1 Installation, Commissioning, Service & Repair

1. This appliance must be installed in accordance with the manufacturer's instructions and the regulations in force. Read the instructions fully before installing or using the appliance.
2. In GB, this must be carried out by a competent person as stated in the Gas Safety (Installation & Use) Regulations.
3. **Definition of competence:** A person who works for a Gas Safe registered company and holding current certificates in the relevant ACS modules, is deemed competent.
4. In IE (Eire), this must be carried out by a competent person as stated in I.S. 813 "Domestic Gas Installations".

All Gas Safe registered engineers carry an ID card with their licence number and a photograph. You can check your engineer is registered by telephoning 0800 408 5500 or online at www.GasSafeRegistered.co.uk

The boiler meets the requirements of Statutory Instrument "The Boiler (Efficiency) Regulations 1993 No 3083" and is deemed to meet the requirements of Directive 92/42/EEC on the energy efficiency requirements for new hot water boilers fired with liquid or gaseous fuels:-

Type test for purpose of Regulation 5 certified by:
Notified Body 0051.

Product/Production certified by:
Notified Body 0086.

For GB/IE only.

6.2 Benchmark Commissioning Checklist

1. Please ensure that the installer has fully completed the Benchmark Checklist on the inside back pages of the installation instructions supplied with the product and that you have signed it to say that you have received a full and clear explanation of its operation. The installer is legally required to complete a commissioning checklist as a means of complying with the appropriate Building Regulations (England and Wales).
2. All installations must be notified to Local Area Building Control either directly or through a Competent Persons Scheme. A Building Regulations Compliance Certificate will then be issued to the customer who should, on receipt, write the Notification Number on the Benchmark Checklist.
3. This product should be serviced regularly to optimise its safety, efficiency and performance. The service engineer should complete the relevant Service Record on the Benchmark Checklist after each service.
4. The Benchmark Checklist may be required in the event of any warranty work.

Warning !

If you smell gas

- Do not operate light switches
- Do not operate any electrical equipment
- Do not use a telephone in the hazardous area
- Extinguish any naked flame and do not smoke
- Open windows and doors in the hazardous area
- Turn off the gas supply at the meter
- Warn any other occupants and vacate the premises
- Telephone the National Gas Emergency Service on:-
0800 111 999

Faulty boiler

If it is known or suspected that a fault exists on the boiler, it must not be used until the fault has been corrected by a competent person.

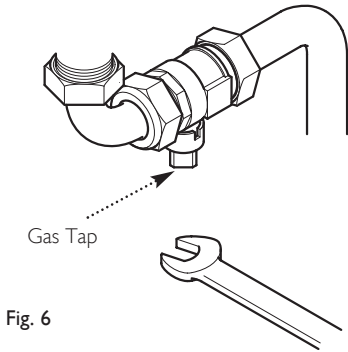
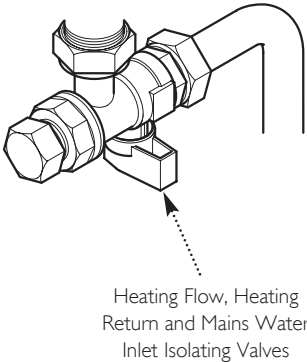


Fig. 7



In an Emergency

If a water or gas leak occurs or is suspected, the boiler can be isolated at the inlet valves as follows;

1. Using a suitable open ended spanner, turn the square nut on the gas tap through 90° (1/4 turn) to isolate the gas supply at the boiler (Fig. 6).
2. The water isolating valves are positioned under the boiler and can be closed by turning their taps to the right towards the wall (Fig. 7).
3. Call your Installer or Service Engineer as soon as possible.

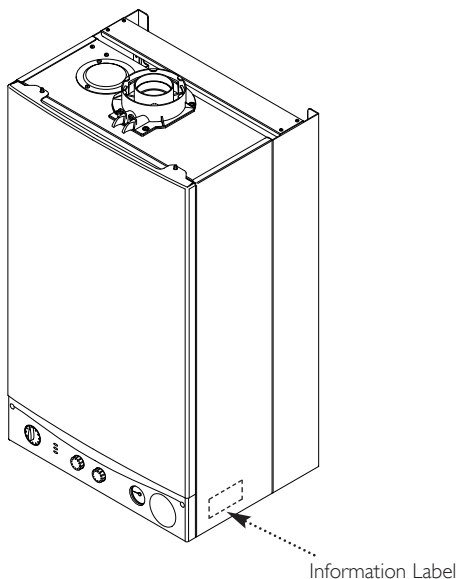
Please complete the boxes below

Serial Number

Date of Installation

D	D	M	M	Y	Y

Installer Details (name, address and contact number(s))



All descriptions and illustrations provided in this leaflet have been carefully prepared but we reserve the right to make changes and improvements in our products which may affect the accuracy of the information contained in this leaflet. All goods are sold subject to our standard Conditions of Sale which are available on request.

MAIN
 A Trading Division of Baxi Heating UK Ltd (3879156)
 Brooks House, Coventry Road, Warwick. CV34 4LL
 After Sales Service 0844 871 1570 Technical Enquiries 0844 871 1555
 Website www.mainheating.co.uk
 e&oe

PART OF BDR THERMEA

9.0 Warranty & Service

Standard Warranty Term & Conditions

12 Months Free Warranty - register today

To receive your 12 months free warranty please complete the form supplied with the boiler or simply call **heateam**, the service of Baxi Heating UK Ltd on **08706 000 653**.

Our promise to you

If you experience a fault with your new boiler, we aim to provide a safe and high quality repair service supported by our dedicated national network of highly skilled engineers. If your installer can't resolve the problem for you, we will do everything we can to get an engineer out to you as quickly as possible. Nothing in this warranty will affect your statutory consumer rights.

What you need to do if you experience a problem with your heating system or the operation of the boiler

You should always contact your installer first, because the fault may not be related to the boiler. If your installer confirms that the fault is within the boiler it self and he/she can't repair it, our friendly customer service team is on hand to help. Simply call our service division **heateam** on **0844 871 1570** to book an engineer visit or for any general advice that you may need. Our contact centre is open Monday to Friday 8am - 6pm, weekends and Bank Holidays 8.30am - 2pm, excluding Christmas Day and New Years Day.

When calling **heateam** it would be helpful if you could have the following information to hand:-

- 1 boiler serial number (see opposite).
- 2 boiler make and model number.
- 3 Your installer name and address details.
- 4 Proof of purchase (if you do not have the boiler serial number).

What this warranty covers

Free of charge repair or replacement of components found to be faulty from manufacture.

Free of charge replacement of the complete unit provided always that the failure is related to a manufacturing fault that cannot be repaired or is uneconomic to repair.

The warranty runs for 12 months from the date your product is installed.

What this warranty does not cover

Repairs to boilers which haven't been installed and commissioned properly, and as set out in the installation instructions (this includes the need to flush the system effectively and add a suitable corrosion inhibitor).

Any damage caused by hard water scale deposits and/or aggressive water resulting from corrosion.

Any other defects or failures, either in the connected heating system or outside of the boiler itself.

Faults caused by inadequate supply of electricity, gas or water to the property.

Installations within commercial settings for which this boiler was not designed.

Reimbursement of any third party repair or replacement costs that we haven't been told about or agreed with you in advance.

Compensation for consequential losses (e.g. loss of earnings, business losses, stress and inconvenience) arising from a production breakdown, including repair delays caused by factors outside our reasonable control.

Annual Service

To ensure you receive the maximum efficiency from your boiler we recommend your boiler has an annual service so you and your family can continue to enjoy heating and hot water comfort. To arrange an annual service from one of our Baxi Heating UK Ltd heating experts, please call Tel. 0844 871 1545