



**SOLUXE 30 & 35
PRE-MIX
CONDENSING
COMBINATION BOILER**

User Instructions



Natural Gas

Heat Line™ Boiler

British Gas Service Listing:

Soluxe 30 G.C..N. 47-157-10
Soluxe 35 G.C..N. 47-157-11



Notified Body

IMQ 51BR3326 Directive 90/396/EEC
51BR3335DR Directive 92/42/EEC



The Heat Line™ range of central heating boilers are manufactured from high quality materials and designed for reliability and optimum performance.

Heat Line™ are committed to the continual development of their appliances and reserve the right to make changes without notification to ensure their customers benefit from the latest advances in combustion technology and energy conservation.

'Benchmark' Log Book

As part of the industry-wide initiative the boiler comes complete with an Installation, Commissioning and Service Record Log Book. Please read the Log book carefully, pages 46 & 47, and complete all sections, as required by law, relevant to the appliance and installation. The details within the Log Book will be required in the event of any warranty work.

On completion the Log Book must be left with the end user and the relevant sections completed on each subsequent Service visit.

The manufacturer, in the drive for continuous improvement of his products, reserves the right to modify the data expressed in the present documentation at any time and without prior notice.

The present documentation is an informative support and it cannot be considered as a contract towards third parties.

IMPORTANT INFORMATION

The Heat Line™ boiler is a high efficiency gas fired boiler and represents the highest level of technology found in today's gas boiler market.

In order to maintain peak efficiency along with optimum performance and reliability it is essential that the boiler be serviced at least once per year by a competent person such as a CORGI Registered Engineer.

All C.O.R.G.I. Registered Installers carry a C.O.R.G.I. ID card and have a registration number, which should be recorded and entered on your benchmark log book. You can check your Installer registration by contacting C.O.R.G.I. on 01256 372300

The boiler's '**Log Book**' must be completed at each Service visit.

GAS SAFETY (INSTALLATION AND USE) REGULATIONS

It is a legal requirement that all gas appliances must be installed and serviced by a competent or C.O.R.G.I. registered person in accordance with the above regulations. Failure to install or service gas appliances correctly may invalidate your guarantee and could lead to prosecution. It is in your interest and that of safety to ensure compliance with the law.

For electrical safety the boiler must be earthed and protected by a **5 -amp fuse**.

Note. In the event of a fault the appliance should not be used until a competent person has corrected the fault.

VENTILATION

For maintenance and safety purposes, the boiler has been installed with a minimum space of 200mm above, 300mm below, 600mm to the front and 50mm to either side of the boiler case.(*figure 1*) It is essential that this space is not restricted by the addition of shelves etc. fitted above or below the boiler, or to the boiler sides. See section 6 for detail

GENERAL DESCRIPTION OF THE BOILER

The boiler is a combined domestic hot water and central heating appliance. Its internal control unit electronically provides direct burner ignition and combustion supervision along with continuous modulation of the burner's gas supply.

By means of a manual switch the boiler can be set to operate in one of two operating modes, domestic hot water only or domestic hot water and central heating.

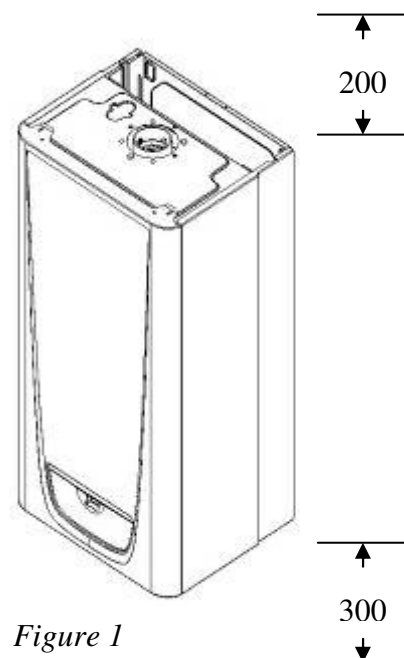


Figure 1

DOMESTIC HOT WATER MODE:

When hot water demand is requested the boiler will fire automatically. An integral pump is then energised and hot water from the boiler's primary circuit is circulated through the secondary heat exchanger, allowing the instantaneous transferral of heat to the incoming cold water. The secondary heat exchanger is protected against an internal build up of lime scale by limiting the hot water temperature at the tap to a maximum of 65°C. Hot water will continue to flow through the tap until no longer required. When the demand for hot water ceases the integral pump may continue to run for a short while to dissipate any excess heat within the boiler.

DOMESTIC HOT WATER AND CENTRAL HEATING MODE:

When heating demand is requested the boiler will fire automatically. An integral pump is then energised and hot water from the boiler's primary circuit is circulated around the heating systems pipe-work and radiators. The heat output from the boiler is automatically adjusted by the boiler's internal control unit to match the heating demand. As the water temperature of the heating system increases the gas input to the burner decreases, conserving energy and increasing efficiency. When the demand for heating no longer exists, either the room thermostat is satisfied or the heating period has ended, the burner will shut down and the boiler will revert to stand-by, waiting to respond to the next heating demand. The integral pump may continue to run after shut down for a short while to dissipate any excess heat within the boiler.

Please Note. When domestic hot water is called for during the heating mode, the boiler will automatically revert to domestic hot water mode until the demand for hot water ceases.

NOTE: Depending on the boiler set up there may be a delay of 45secs before the boiler re-fires.

ACCESS TO THE BOILER CONTROLS.

The boiler controls are found behind the control panel door, sited at the bottom of the boiler's front case.

To open: press the doors retaining push catch just above the display screen. (*figure 2*)



Figure 2

BOILER CONTROLS

The function and operation of the main controls located on the control panel fascia (figure 3) is as follows:

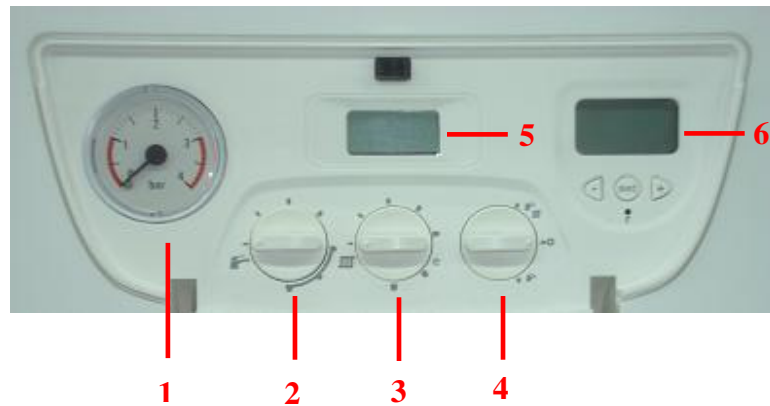







Figure 3

- | | |
|-------------------------------|---------------------|
| 1- C.H. Pressure Gauge | 4- Function Switch |
| 2- D.H.W. Temperature Control | 5- LCD Display |
| 3- C.H. Temperature Control | 6- Electronic Timer |

- 1. Pressure Gauge :** Shows water pressure in system. Scale between 0 and 4 bar. Recommended water pressure in system 1.5bar.
- 2. Domestic Hot Water Temperature Control :** The position of this control dial will determine the temperature of the domestic hot water delivered to the taps or shower unit. The water temperature can be set from a minimum of 35°C (anticlockwise stop position) to a maximum of 60°C (clockwise stop position.)
- 3. Central Heating Temperature Control :** The position of this control dial will determine the temperature of the water delivered to the radiators. The water temperature can be set from a minimum of 30°C (anticlockwise stop position) to a maximum of 85°C (clockwise stop position), unless the boiler is adjusted for under floor heating operation when the maximum setting is 60°C.
- 4. Function Switch :** This is the boilers main operating switch. In the  position the boiler is in stand-by mode and power supply is ON. For the boiler to operate the switch must be in the  or  position. When switched to the  position the boiler will operate only to supply domestic hot water. (Summer use) For the boiler to operate to give both central heating and domestic hot water the switch must be in the  position.(Winter use)

5. **LCD Display Screen:** While giving the operational status of the boiler and water temperature, to aid in fault diagnostics the control unit has a built in facility that automatically indicates a fault status. If more than one fault simultaneously occurs, then only the highest priority fault is displayed.

(Figure 4)

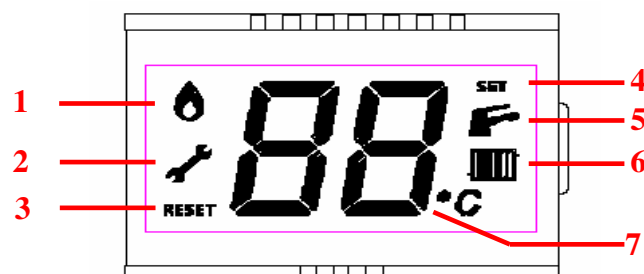



Figure 4

5.1. Flame indication: When ignition occurs, flame symbol (1) is shown.

5.2. Service Mode symbol : Turn selector control knob (4 figure 3) 3 times between C/H setting and the off position (no more than 2 seconds between each turn) the boiler is now in service mode and will stay there for 15mins, turn both C/H & DHW controls to max, this sets the boiler to max output and will not modulate, turn both the controls to min to set the boiler on min without modulation for setting up the default parameters.

5.3. Reset symbol : When reset symbol (3) is showed with fault code, the boiler will need to be re-set. To re-set the boiler, the function switch must be switched to  position and after 15 seconds back to its previous (summer or winter) position.

5.4. Set symbol

5.5. Domestic Hot Water Mode : When opening tap, system works at DHW mode and shows tap symbol

5.6. Central Heating Mode : When selecting winter mode and working at CH mode, system shows radiator symbol.

5.7. Digits : Digits shows CH,DHW temperature, fault codes etc.

6. **Timer :** This unit provides to enter burning programme for boiler. Programme can be programmed according to user demands. Programming timer can be found in Section 13.5.

FROST PROTECTION

The boiler has a built in frost protection device that protects the boiler from freezing. If the boiler is to be left and there is a risk of frost, ensure that the gas and electrical supplies are left connected. The frost protection device will light the boiler when the

temperature of the boiler water falls below 6°C. When the temperature reaches 15°C, the boiler will shut down.

Note: This device works irrespective of any room thermostat setting and will protect the boiler, but not necessarily the full system. Ensure that vulnerable sections of the circuit are adequately lagged.

SYSTEM PRESSURE


On installation your installer will have filled the boiler and system to its effective working pressure. The boiler's pressure sensor should be regularly checked on the LCD to ensure that this pressure is maintained between 1 and 2 bar. If there is a significant loss in pressure the boiler will lock out. The system may be re-charged by opening the filling loop to charge the system back up to 1.5bar as indicated on the LCD panel. **DO NOT OVERCHARGE THE BOILER PRESSURE BEYOND 2BAR AS THE BOILER WILL NOT OPERATE.** The filling loop, a flexible hose with two valves, should be located below the boiler connecting the second pipe on the right to either one of the outer pipes, see *figure 10 on page 19*. **DO NOT CLOSE ANY OF THE FOUR SERVICE VALVES.**

DIRECTLY CONNECTING TO THE BOILER. If the boiler frequently loses pressure then your installer should be consulted. Failure to have leakage repaired may cause corrosion within your heating system.

OPERATING THE BOILER

Prior to operating the boiler, check that the pressure reading, on the LCD panel, lies between 1 and 2bar.

Set the boiler's 'Central Heating' and 'Domestic Hot Water' temperature controls to maximum by turning fully clockwise and set the external 'Room Thermostat' (if fitted) to maximum. (To set the room thermostat refer to its manufacturer's instructions.)

Switch the boiler's functional switch to the  position. The boiler's integral control unit will now automatically carry out pre-ignition safety checks before finally igniting the burner.

The 'Central Heating' and 'Domestic Hot Water' temperature controls and 'Room Thermostat' can now be set to the desired temperature settings.

When a demand for heat no longer exists, the burner will automatically shut down but the green 'Boiler Stand by' indicator will remain alight. The boiler will be ready for the next heating demand.

CLEANING

The boiler casing may be cleaned with a damp cloth followed by a dry cloth to polish. **Do not** use abrasive or solvent cleaners.

FURTHER ADVICE

For further advice or information contact Heat Line™ Service Enquiries by telephone on **0870 777 8318** in UK and **01 466 4664** in Ireland or e-mail via our web site at **www.heatline.co.uk**