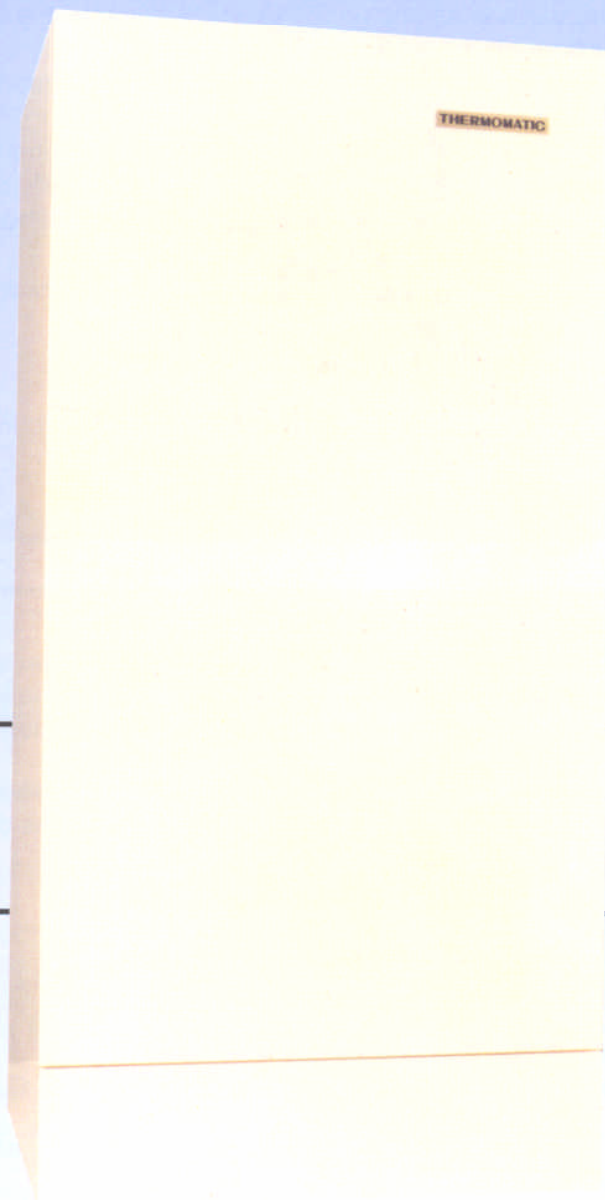


 **THERMOMATIC**

**THE COMPLETE  
COMBINATION**



ROOM SEALED OR  
OPEN FLUED MODELS

**MODEL RSM 20/FB  
BRITISH GAS  
APPROVED  
and  
SERVICE LISTED**

### **ADVANTAGES TO THE INSTALLER**

- (1) A 'Filling Loop' complete with double check valve and separate "shut off" valve is a Water Board requirement when fitting combination boilers. The Thermomatic has these supplied as standard. This saves the additional cost involved in purchasing these as additional items.
- (2) Often combi boilers are supplied without a pressure vessel on the domestic hot water line. This would add a further cost to comply with Water Board regulations. The Thermomatic fits a separate hot water mini expansion vessel as standard.
- (3) The pipework connection manifold is detachable from the rest of the boiler. Hence, using the supplied template, all connections can be made and fixed to the wall without the boiler in position. The boiler itself can be hung and quickly connected to the connection manifold at the very last stage of installation.
- (4) A Flow Regulating valve is also fitted to the boiler, allowing the installer to regulate the flow of water through the hot taps.
- (5) Flow and return ball valves, domestic and gas valves are already fitted to the boiler connection plate.
- (6) Room sealed boilers arrive with a 90° flue bend and one metre of flue assembly pipe. Extension kits are available to give up to 6m horizontally or vertically.
- (7) Thermostatic radiator valves may be fitted on all radiators without affecting the boiler.
- (8) A by-pass is not needed on the boiler or to the external pipework.
- (9) Easily dismountable boiler casing makes servicing simple.
- (10) All parts are easily obtainable in the UK.

#### **REMEMBER**

The thermomatic is the least complicated of all combination boilers. With less complications, there are less "call backs".

### **ADVANTAGES TO THE USER**

When choosing a Thermomatic Boiler, you are choosing a quality product, due to its unique design will give years of satisfactory service. Other combination boilers are usually "dry wall" boilers. These are insulated around the combustion (burner) area to prevent excessive heat 'build up' to the metal sides.

The Thermomatic combi boiler has a water Jacket extending to the burner assembly. Heat radiating from the burner is absorbed into the water. This gives a higher boiler efficiency and reduces the running cost.

#### **OTHER ADVANTAGES**

- (1) No cold water or other storage tanks to freeze or leak.
- (2) The Thermomatic is a complete combi boiler which includes several expensive items normally purchased by the installer and fitted separately. These parts are correctly matched, tested and guaranteed with the boiler.
- (3) The Thermomatic is simple to operate. It is fully automatic. Just switch on and your boiler will light.
- (4) Simply switch to Summer use when hot water only is needed, and to Winter use for both central heating and hot water.
- (5) With a Thermomatic combination boiler, you can never run out of hot water.
- (6) Completely safe.
- (7) By choosing a Thermomatic boiler, you will choose not only the most reliable boiler, it will be guaranteed by Keston Boilers.

#### **U.K. DISTRIBUTOR**

**Keston Boilers, Gas Appliance Designers & Engineers,  
Part of the Stevenson Group of Companies Established 1928.**





The Heart of the Boiler  
Copper Heat Exchanger

#### **ECONOMICAL**

(1) 100 hot baths or several hundred showers is the price paid for one years unnecessary pilot flame.

All Thermomatic room sealed boilers have automatic ignition which eliminates the pilot burner, saving a full 60m<sup>3</sup>. (2100cu. Ft) gas per year.

(2) The circulating pump on the central heating operates from a capillary thermostat, and does not switch on until the water reaches 60°C and switches off below this temperature.

The domestic hot water does not need a pump.

All this plus a high efficiency boiler gives a very positive saving in fuel consumption.

#### **EASY TO OPERATE**

Just switch on, the boiler is full automatic.

#### **VERSATILITY**

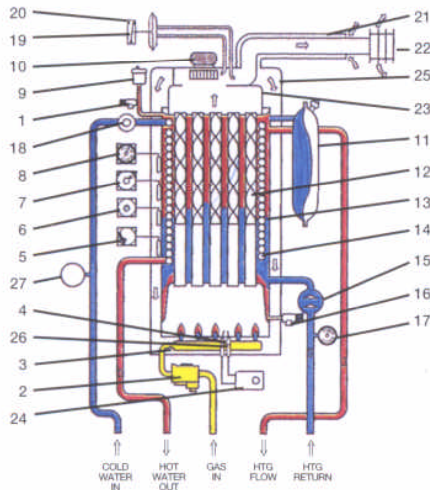
Switch on to Summer use for hot water only.

Switch to Winter use for central heating and hot water.

#### **DURABILITY**

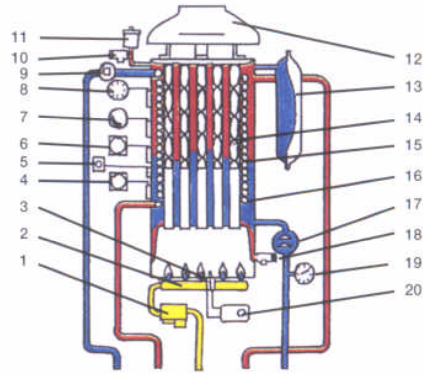
The materials used, and boiler controls chosen for this boiler ensures reliability for many years to come.

### ROOM SEALED F/A BAL/FLUE

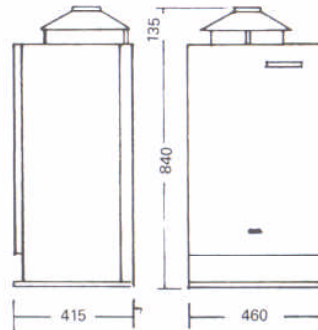
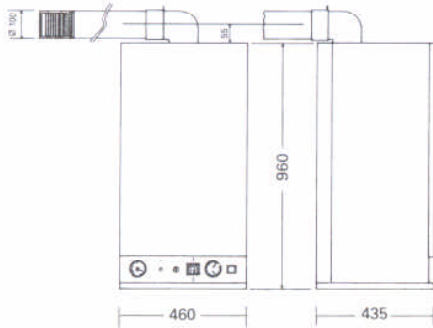


- |  |                                     |
|--|-------------------------------------|
| 1 Manual Air Vent Cock                       | 14 Domestic hot water copper coil   |
| 2 Gas Control Valve                          | 15 Circulating pump                 |
| 3 Stainless Steel Burners                    | 16 Pressure relief safety valve     |
| 4 Ignition Electrode                         | 17 Water pressure gauge             |
| 5 Pocket for boiler heating thermostat phial | 18 Bimetallic priority thermostat   |
| 6 Pocket for anticondensing phial            | 19 Air pressure microswitch         |
| 7 Pocket for safety thermostat phial         | 20 Air pressure switch body         |
| 8 Water temperature gauge                    | 21 Concentric flue/air pipe         |
| 9 Automatic air vent                         | 22 Flue terminal                    |
| 10 Fan motor                                 | 23 Flue hood                        |
| 11 Expansion vessel                          | 24 Electronic control box           |
| 12 Stainless steel flue baffles              | 25 Room sealed combustion chamber   |
| 13 Boiler shell                              | 26 Flame detection probe            |
|  | 27 Mini expansion vessel (Domestic) |

### OPEN (CONVENTIONAL)FLUE



- |  |                                   |
|--|-----------------------------------|
| 1 Gas control valve                          | 9 Bimetallic priority thermostat  |
| 2 Stainless steel burners                    | 10 Manual air vent cock           |
| 3 Ignition & flame detection electrodes      | 11 Automatic air vent             |
| 4 Pocket for anticondensing thermostat phial | 12 Draught diverter hood          |
| 5 Pre-heating thermostat                     | 13 Expansion vessel               |
| 6 Pocket for safety thermostat phial         | 14 Stainless steel flue baffles   |
| 7 Pocket for boiler heating thermostat phial | 15 Boiler shell                   |
| 8 Water temperature gauge                    | 16 Domestic hot water copper coil |
|  | 17 Circulating pump               |
|  | 18 Pressure relief safety valve   |
|  | 19 Water pressure gauge           |
|  | 20 Electronic control box         |



### TECHNICAL DATA AND MODELS

MODELS	HOT WATER		Btu/h		MAX.PRESSURE		WEIGHT	
	t30°C	t35°C	INPUT	OUTPUT	HEATING	DOMESTIC	KG	LBS
RSM 20	11.0 l/min	9.5 l/min	89,395	78,476	3 BAR	10 BAR	77	170
RSM 25	13.4 l/min	11.5 l/min	105,090	95,596	3 BAR	10 BAR	79	174
	INJECTORS		BURNER		INJECTORS		BURNER	
	NATURAL GAS		PRESSURE		L.P.G. (PROPANE)		PRESSURE	
RSM 20	Ø 2.35 + 2.70 + 2.35 mm		140 mm WG		Ø 1.45 + 1.65 + 1.45 mm		300 mm WG	
RSM 25	Ø 2.60 + 2.85 + 2.60 mm		123 mm WG		Ø 1.60 + 1.85 + 1.60 mm		300 mm WG	

# KESTON Boilers

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