

## **Technical details for oil fired Rayburns**

**Please note that the site preparations must be carried out in full before the fitting of the cooker can take place.**

### **Flue**

The existing chimney is to be lined using 5 inch flexible flue liner.

Internal or external prefabricated flue is to 5 inch double insulated (SM).

The flue pipe may exit horizontally or vertically from the flue box.

We recommend that an anti down draught cowl be used.

The flue box on a Rayburn Supreme is on the right hand side – other Rayburns on either side.

We supply the vitreous enamel flue pipe from the Rayburn to your chimney and will charge accordingly. Prices overleaf:

**We strongly recommend an OH cowl be fitted to your existing chimney.**

**PLEASE NOTE WE DO NOT SUPPLY BALANCED OR POWER FLUES**

### **Ventilation**

We recommend (as per regulations) that a permanent air vent with a minimum effective area of 5 inches square (or the cross sectional area of flue pipe, whichever is the greater) should be provided. It should be on an outside wall, in a high position.

### **Fuel**

The Rayburn uses 28 second heating oil / kerosene. Pipe size to be 10mm.

Level differential between Aga and the fuel tank outlet should be at least 18 inches (457mm).

The oil control valve is sited on the opposite side to the flue, but may be sited up to 5 feet away. It is approximately 5 inches wide.

The fuel supply must be ready to be turned on when the Rayburn is installed.

New regulations (BS 5410) now state that all oil supply lines must be protected by a remote acting fire valve (e.g. Kbb). The valve must be positioned outside the building where the oil line enters the building, with the sensor near the Rayburn.

### **Hot Water / Central Heating**

The Rayburn must be connected to a **gravity flow system, which must be indirect**, with a 40 gallon hot water cylinder.

Central heating models, if fully pumped, will still need a separate gravity flow pipe in case of pump failure.

The Rayburn Supreme has a maximum btu output of 40000 which we suggest is equivalent to approximately 8 single radiators. It can be only controlled by timing the central heating pump.

The 100 sq ft model Rayburn Royal is fully manual with no means of electrical connection to a central heating system. It is capable of heating 4 to 5 single radiators (100 square feet). Both models should be fitted with either a flow pipe or hot water cylinder thermostat to switch on the pump if the water reaches a certain temperature.

Water pipes exit from the opposite side to the flue.

The hot water tank must be no further than 18 feet away, otherwise heat efficiency may be lost.

Pipe size is 28mm. Dimensions for flow and return can be had on application.

Note that the central heating models will also supply domestic hot water.

### **Plinth**

The Rayburn should be positioned on a level base of non-combustible material.

Rayburn Supreme – depth to be 23 inches and the width to be 35 inches.

Rayburn Royal – depth to be 20 inches and the width to be 33 inches.

Height is optional.

### **Fitting Cost**

Our experienced and trained fitters carry out installation. The cost includes labour, all copper and brass fittings, but not the cost of any of the vitreous enamel flue pipe.

The prices for this are listed below.

We would expect to arrive to find a fully prepared site i.e. that the chimney / flue is lined, the oil feed pipe and tank are prepared, water pipes are ready, base / plinth installed and that there is a supply of oil to the cooker.

**Our fitting charge does not include flue materials, building, plumbing or oil installation work.**

The above site preparation details are to be used as a guide only and must be used in compliance with local building regulations.

### **Servicing**

We recommend that the oil fired Rayburn royal is serviced every six months.

### **Guarantee**

The Rayburn has a 12 months guarantee. This covers all parts, excluding consumable parts, which should be replaced on servicing.

### **Cleaning**

We recommend that only warm water and a mild detergent be used to clean the cooker.

### **Oven shelves**

The Rayburn will be supplied with one wire oven rack and two flat oven trays. Further trays are available at extra cost.