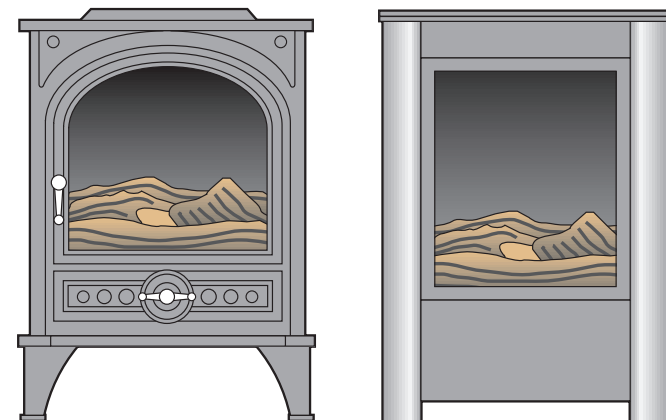


# 500/515

FLUELESS CAT GAS FIRED STOVE SERIES



## USER INSTRUCTIONS

(TO BE LEFT WITH THE CUSTOMER)



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## 1. GENERAL

This stove has been individually designed to add charm and character to your home. Providing a highly efficient heat source, the stove has the look and charm of a real stove coupled with the convenience of clean burning gas. Due to newness of materials the stove may give off a slight smell for a period of time after commissioning. This is quite normal and any odours should disperse after a few hours operation. It is recommended that the stove is used only as a secondary heat source. An electrical appliance such as a television should not be fitted above the appliance. It has been supplied for use either on Natural Gas or Propane.

## 2. IMPORTANT NOTES

The installation must be in accordance with National Regulations and must be carried out by a qualified person. Under no circumstances should the appliance be operated with the door open, without the door attached or the door glass damaged. All surfaces except the control knob are considered to be working surfaces. Most parts of the stove will get hot during and after use. If young children, the elderly, or infirm are likely to be near the stove a suitable fireguard is recommended. Do not place any objects on top of the stove. In particular never cover or partially cover the grille. The integral catalyst should be checked by the installer upon servicing to ensure that there are no defects or obstructions. The expected life of the catalyst is in excess of 11,000 hours (10 years of normal use). After this time the catalyst should be replaced.

**Warning:** There are always dust particles in the air in every living space, even if it is regularly vacuumed!

These particles are visible in rays of sunlight and they will not bother you as long as the concentration of particles in the air remain low. The indoor climate can only be described as bad if these particles are floating through the room in large quantities for any reason whatsoever and if the air is additionally polluted by soot and tar particles caused by the burning of oil lamps for example, and by smoking cigarettes and cigars. In a heated living space, cooled air slowly streams across the floor to the combustion appliance. The air is heated in the convection system of the heater, causing a fast rising column of warm air to develop, which then spreads throughout the room again. As a consequence, this air always contains dust and other pollutant particles that may leave deposits on cold and often damp surfaces. This is potentially a particular problem in new buildings that are not yet dry (construction moisture). An unwelcome result of this phenomenon could be discolouration of walls and /or ceilings. Wait at least 6 weeks before firing a newly bricked room or after renovations, since the construction moisture must have disappeared completely from the walls, floor and ceiling. The room where the appliance is located must be well ventilated and the required ventilation must be in compliance with the Installation Instruction. Do not use candles or oil lamps. These provide considerable quantities of pollutant and unhealthy soot particles in your home. Smoke from cigarette and cigars contain tarry substances, which may also leave deposits on colder and damp walls when heated. If the interior climate is bad, this phenomenon may also occur above radiators and lighting fixtures and at ventilation grilles, although to a lesser degree.

If decorating around the heater ensure that adequate precautions are taken to prevent paint etc from coming into contact with the stove. Do not: use masking tape on the stove.

## 3. HEARTH

The stove must stand on a non-combustible hearth of a least 12 mm thickness, and be of sufficient size to accommodate the stove.

## 4. CLEARANCES TO COMBUSTIBLES

Clearance to the sides of the stove are 100 mm (4in) but curtains, drapes and other fabrics are not permitted within a distance of 500 mm (20 in) of the stove sides and back. No such materials are permitted directly above the stove regardless of distance. Clearances to the front of the stove is 1000 mm (39 in). Clearance to the rear of the stove is 70 mm (2 3/4in). It is not permitted to install the appliance onto carpet, rugs or fabric materials of any kind. A combustible shelf may be fixed to the wall above the stove, providing that it complies with the dimensions given below.

The shelf depth may be greater than 150mm (6") up to maximum of 457mm (18") but the height must also be increased accordingly. An increase in height of 25 mm is required for every 12.5 mm of additional shelf depth. For shelves that are too low, protective devices can be used such as metal heat deflectors, but it must be assured that the shelf does not reach an unacceptable temperature before relying on such a solution.

As with all heating appliances, any decorations, soft furnishings, and all coverings (i.e. flock, blown vinyl and embossed paper) positioned too close to the appliance may discolour or scorch.

Maximum depth of shelf 500 series stove	Maximum depth of shelf 515 stove	Minimum distance from top of stove to underside of shelf
150mm (6in)	70mm (2,3/4in)	330mm (13in)
457mm (18in)	377mm (14,3/4in)	940mm (37in)

## 5. VENTILATION AND ROOM SIZE

Purpose provided ventilation of 100cm<sup>2</sup> is required for this appliance. This ventilation must never be blocked or partially blocked. An openable window or equivalent is also required. Any ventilation fitted must comply with BS 5871 and BS 5440 part 2. Ventilation fitted under for within immediate vicinity of the appliance must not be used as it may adversely effect performance of the combustion monitoring system (ODS) system.

The requirements of other appliances operating in the space or room must be taken into consideration when assessing ventilation requirements, this will have been carried out by your CORGI registered installer.

A supply of fresh air into the room is advisable to maintain temperatures within limits. The stove **MUST NOT** be installed in a bedroom, bathroom or any sleeping area.

For Republic of Ireland, see relevant rules in force.

The room size should be a minimum of 40m<sup>3</sup> to allow adequate circulation of air and ensure the correct operation of the stove.

## 6. LOG ARRANGEMENT

The logs should only be arranged as shown in the log layout given in the Installation Instructions by a qualified person. The stove must only be fitted with the ceramics supplied. **DO NOT** use any extra logs or coals.

## 7. OPERATING THE STOVE

The stove is fitted with a pilot light which is also an oxygen depletion sensor (ODS), piezo spark, flame sensing device and thermostat. The control is located behind the right hand foot of the stove. The pilot light is located centrally behind the front log piece.

Should the stove be extinguished for any reason wait 3 minutes before re-ignition is attempted. A safety interlock prevents re-ignition of the pilot flame until the thermocouple has cooled sufficiently.

### (a) LIGHTING THE PILOT

1. Turn control knob to PILOT IGNITION POSITION (Fig 1).
2. Press control knob downwards and hold it in.
3. Press igniter button fully downwards to obtain a spark. Repeat until the pilot lights.
4. Continue to hold the knob in for about 10 seconds after the pilot ignites. Release the control knob. If the pilot goes out repeat steps 2, 3 and 4.

### (b) LIGHTING THE STOVE

Push the thermostat lever down to the thermostat position (Fig 1). Turn the control knob to the position. Check that the HIGH burner setting pressure is in accordance with that required to maintain desired room temperature.

### (c) THERMOSTAT OVERRIDE LEVER (Fig 1)

To put the thermostat into operation push the lever fully down. To put the thermostat out of operation push the lever fully up. The stove will now only operate in the FULL FLAME position.

### (d) TURNING THE STOVE OFF

From any heat setting depress control knob fully and turn clockwise to PILOT POSITION (Fig 1).

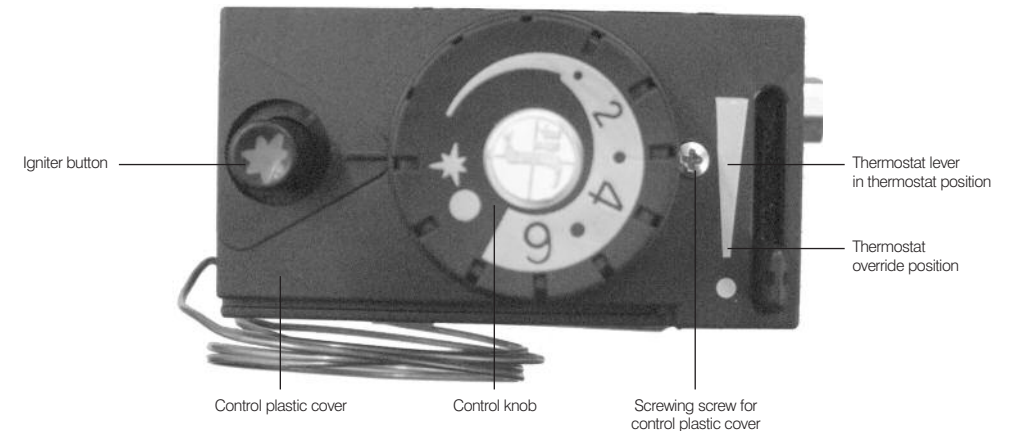
### (e) TURNING THE PILOT OFF

From any heat setting or the PILOT position depress control knob fully and turn clockwise to OFF position.

Fig.1



Fig.2



OFF Position

Pilot Ignition Position

Full Flame Position

Low Flame Position

## 8. THERMOSTAT

If it is observed that the flame effect is shutting down before the room has reached the desired temperature on the highest setting, this may be caused by any of the following:

- Room size
- Restricted air movement around the stove
- The thermostat bulb sensing radiated heat from the body of the stove

This may be overcome as follows:

- a) Ensure that the stove is cold
- b) Slacken the wing nut securing the thermostat bulb and bracket to the underside rear of the stove.
- c) Remove the thermostat bulb and re-position the thermostat bulb to a cooler position

## 9. COMBUSTION MONITORING SYSTEM

This stove is fitted with a combustion monitoring safety device (ODS). If the stove shuts off during use for no apparent reason then several reasons may be suspected. If a door or window has been opened creating a draught, then pilot disturbance could be the problem and removal of the draught should resolve this. The stove can then be re-lit in accordance with the previous section .

If pilot disturbance is not the cause, then the ODS safety system may be in operation. Switch the appliance OFF, call in your installer to check the appliance and ventilation. Remedial work must be carried out as required. DO NOT allow the appliance to be used until the appliance and installation is passed as safe. If the pilot continues to be extinguished, you must call your installer to check the operation of the complete appliance.

## 10. CLEANING

Ensure that the stove is turned off before cleaning and is cold. DO NOT use abrasive cleaning agents. The stove is supplied with ceramic logs that should only be cleaned and arranged by a qualified person in accordance with the Installation Instructions.

## 11. SERVICING

It is essential that the stove is regularly serviced at least annually,