

OPERATING INSTRUCTIONS

SOIL DRYING OVEN

225 & 425 LITRE CAPACITY

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1 UNPACKING

- 1.1 Remove all packaging material from between the shelves and inner walls of the oven.
- 1.2 Remove all strippable film from the outer surfaces before putting the oven into use.

2. MAINS SUPPLY

- 2.1 Check the voltage and load as shown on the Serial Plate.
- 2.2 **240 volt units.** Each unit comes supplied with a mains connection lead already fitted with a correctly rated fuse. The fuse rating and other details for each unit are shown on the voltage plate riveted to the back of the unit. It is important that, if the fuse needs to be replaced, it must **ONLY** be replaced with one of the correct rating.
- 2.3 **110 volt units** are supplied with a cable but without a plug or fuse. These units should be wired in by a suitably qualified electrician to the following:-

BROWN	`L' Live pin	Refer to voltage plate
BLUE	`N' Neutral pin	for fuse requirement
GREEN/YELLOW	`E' Earth pin	

WARNING

DO NOT CONNECT THE OVEN TO A D.C. MAINS SUPPLY OR SERIOUS DAMAGE WILL OCCUR.

3. OPERATION

THERMOSTATIC CONTROL

- 3.1 Position the shelves within the work chamber.
- 3.2 Switch 'ON' the rotary mains switch (0/1) - indicated by the green lamp.
- 3.3 Turn the overheat thermostat dial (red cap) to approximately 10°C above the working temperature required.
- 3.4 Set the control thermostat (grey cap) to the desired working temperature and allow the unit to heat up and reach a steady state (amber lamp cycling on and off) before making any adjustments.
- 3.5 If a closer overheat thermostat setting is required, at the working temperature turn the overheat downscale until its lamp is 'ON'. Advance the knob very slowly upscale to the point at which the indicator is just extinguished.
- 3.6 Temperature checks can be carried out by removing the chromed plug button in the left hand door and inserting a suitable thermometer or sensor through the hole.

NOTE: DO NOT REMOVE THE DIAL LOCK. THIS FORMS PART OF THE SCALE END STOP

4. MAINTENANCE

ROUTINE CHECKS ON EACH OCCASION OF USE: -

- 4.1 Check the condition of the supply lead and plug top.
- 4.2 Connect to supply and check:-
 - Supply switch operation.
 - Supply indicators are working.
 - Heat indicator is functioning correctly (amber lamp cycling on and off without the overheat coming into operation).

5. PREVENTATIVE MAINTENANCE

Ensure that the unit is maintained in a clean, dry condition and when not in use stored in a normal warm atmosphere.

Minimum recommendation, every six months: -

- 5.1 Check the plug top connections are tight and the fuse rating is correct.
- 5.2 Check the operation of the overheat protection system.
- 5.3 Carry out an electrical safety check (Portable Appliances) using an appropriate appliance tester operated by a competent person.
- 5.4 Check that the control temperature is maintained within limits.
- 5.5 To prolong the element and fan life, disconnect from the electrical mains supply, remove the four screws holding the left hand shelf runner and the seven self-tapping screws holding the bottom cover. Remove the cover and remove any debris round the fan and element. Reassemble in the reverse manner.

The manufacturer can offer the above service on request.

6. GENERAL

Take the normal precautions not to allow water to come into contact with the electrical components. The outer surfaces can be cleaned with a warm, damp, soapy cloth or any proprietary cleaner suitable for a painted surface. (Do not use solvents or harsh abrasives). The work chamber may also be cleaned as above.

PLEASE NOTE

Before putting the unit into use, set the temperature to 100°C and switch on for about 24 hours in order to expel any fumes from the thermal insulation used.

Please quote the serial number of the unit for replacement parts (fitting instructions supplied with parts).