



## User and Installation Instructions

### Manual Fill Water Boilers

LWB2, LWB4, LWB6

Please make a note of your product details for future use:

Date Purchased: \_\_\_\_\_

Model Number: \_\_\_\_\_

Serial Number: \_\_\_\_\_

Dealer: \_\_\_\_\_

\_\_\_\_\_

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## **FOREWORDINTRODUCTION**

This water boiler should become a valuable addition to your establishment. To ensure that you receive the best from your water boiler please take the time to read these instructions carefully, following any directions given.

### **ON DELIVERY**

Please unpack carefully and check the contents. Notify your supplier within three days if anything is missing. Before use, remove all protective plastic coatings from the unit. The metal surfaces may then be wiped clean using mild detergent (see cleaning instruction section on page 7)

#### **Check list of parts**

All Models

- Removable lid
- Guarantee card – please complete and return this card (postage paid) to ensure your unit is covered by the Lincat guarantee as detailed below.

### **GUARANTEE**

Lincat guarantees its equipment to be free from defects in materials and workmanship for a period of one-year commencing from the owner's purchase.

This guarantee is limited to the repair of defects, without charge, by a factory authorised service company or one of its service engineers within normal working hours Monday - Friday, 8am - 5pm. This guarantee is not effective if damage occurs from improper installation, misuse, incorrect voltage supply, wear and tear from normal usage, accidental breakage/ damage or the equipment is operated contrary to the user instructions. Any expenses in connection with the installation, or cost of making adjustments on the equipment to comply with the supply at the point of installation are not covered by this guarantee.

The foregoing guarantee is in lieu of any and all other guarantees expressed or implied, and constitutes the entire guarantee.

### **CONSEQUENTIAL LOSS**

Lincat does not accept any responsibility for loss of food, production time, profit, etc., which may result from a breakdown of the equipment.

## **INSTALLATION INSTRUCTIONS**

### **IMPORTANT: PLEASE READ THIS SECTION CAREFULLY BEFORE USING THE EQUIPMENT**

#### **WARNING: THIS APPLIANCE MUST BE EARTHED**

#### Position

Partitions, walls, kitchen furniture etc. in close proximity to the unit must be of fireproof construction.

When siting the unit, ensure that there is free airflow around and behind it. Ensure that the unit is positioned on a rigid, waist-high table or counter top, which is flat and level.

#### Electrical Requirements

Ensure that the supply is adequate for the unit to be installed.

Stationary appliances must be positioned so that the plug is easily accessible.

All appliances with an electrical loading over 3kW must be connected to the supply by a qualified electrician. Appliances must be connected in accordance with Health and Safety at Work Acts, IEE regulations, BS codes of practice, Building Standards, Local Authority and Building Regulations etc. A suitable means of disconnecting such units from the supply must be provided, having at least 3mm contact separation in all poles.

All models have a 13 Amp plug attached to the supply lead.

If the supply cord is damaged, the manufacturer or its service agent or a similarly qualified person must replace it in order to avoid a hazard.

The wires in the supply lead are coloured in accordance with the following code:

GREEN & YELLOW:	EARTH.
BLUE:	NEUTRAL.
BROWN:	LIVE.

As the colours of the wires in the mains supply lead of this appliance may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:

1. The wire, which is coloured green and yellow, must be connected to the terminal that is marked with the letter 'E' or is marked with the earth symbol  $\oplus$ , or is coloured green and yellow.
2. The wire, which is coloured blue, must be connected to the terminal that is marked with the letter 'N' or is coloured black.
3. The wire, which is coloured brown, must be connected to the terminal that is marked with the letter 'L' or is coloured red.
4. Fit a fuse to the plug to suit the amperage specified on the serial plate of the unit.

## USER INSTRUCTIONS

- Parts of this unit will become hot in normal use; therefore, suitable precautions must be taken to avoid accidental burns.
- The appliance should be positioned to minimise the possibility of accidental touching.
- The boiler is manufactured from 304 (EN 1.4301) grade stainless steel and will therefore not corrode. However, any inclusions or deposits in the water supply or other water vessel used to refill the boiler, may corrode inside the tank. It is essential that this boiler is cleaned with a mild detergent and rinsed thoroughly before use. Repeat this at regular intervals thereafter (see section on maintenance).

### General Operation

#### Switching On

1. Plug the boiler in and switch it on at the mains. The green light will now illuminate to indicate that there is power to the unit.
2. Fill the boiler to the maximum level - This is the lower edge of the top rib as indicated on the boiler.
3. Position the lid and activate the boiler by turning the knob at the base of the unit in a clockwise direction.
4. At maximum power setting and full capacity, the times taken to reach boiling point are :

LWB2	LWB4	LWB6
30 minutes	50 minutes	75 minutes

5. Once the unit has begun to boil, the knob can be turned anti-clockwise to reduce the power input.
6. The boiler should never be run continuously at full power after boiling has started, as this will cause it to boil dry.

#### Using the boiler

1. Place a cup, mug or pot directly under the tap.
2. **Gently** pull the tap lever forwards. Water will pour from the boiler. The tap will spring back when released. CAUTION, Do not pull the lever too quickly or boiling water may splash.
3. As water is drawn off, less power is required so the simmer-stat can be turned down slowly.
4. Never allow the water level to drop to the level of the tap. If no water pours when operating the tap, check the water level. If the level is low, fill the boiler **immediately**.
5. After topping up the boiler, the temperature of the water will drop. Turn the knob to maximum again until boiling occurs; the input can then be reduced.
6. The water level should be checked at regular intervals. Adding small quantities of water at regular intervals is more efficient than refilling the boiler when it is nearly empty.
7. **NEVER ATTEMPT TO MOVE OR LIFT THE BOILER WHILE IT IS OPERATING.**
8. To turn the unit off, turn the knob to the off position and switch the mains supply off at the wall socket. The green light will then go out.

#### Other Information

As a *guide*, the following quantities can be achieved from the boilers\* :

LWB2		LWB4		LWB6	
45 cups	30 mugs	90 cups	60 mugs	135 cups	90 mugs

\*Starting with each boiler filled to capacity. A typical cup is 200ml and a typical mug is 300ml.

## CLEANING & MAINTENANCE INSTRUCTIONS

To maintain your Lincat water boiler, the following points should be followed.

1. **Before carrying out any maintenance on your water boiler disconnect it from the power supply and ensure that it is cold.**
2. The build up of lime scale inside the water boiler can impair its performance and lead to component failure. To prevent this, regularly use a de-scaler that is suitable for use on a domestic kettle, such as Scale Away, which can be purchased from Lincat.
3. Wipe down the exterior of the water boiler with warm water containing a mild detergent – do not use wire brushes, steel wool or other abrasive materials as these will scratch the polished finish. Dry the surface with a soft cloth.
4. These boilers must not be cleaned using a water jet.
5. We recommend that all servicing, other than routine cleaning, be carried out by our authorised service agents. We will accept no responsibility for work carried out by other persons.

### Boil dry protection.

This appliance is fitted with a thermal cut out device to protect the heating element.

Should the appliance be allowed to boil dry, the cut out will operate and disconnect all power to the heating element and the control circuit. The green neon indicator will no longer be illuminated.

Should this situation arise it will be necessary to follow the resetting procedure set out below.

#### **Disconnect the appliance from the supply.**

Empty any water from the tank. (A small amount will remain in the tank when the cut out operates).

Invert the appliance and remove the single screw in the base plate.

Remove the base plate.

Press the reset button located on the heating element, (this is identified as the large brass nut on the underside of the tank base, containing four electrical connections), the reset is between the two lower connections.

#### **Fully reassemble the appliance before reconnecting to the supply.**

### Fault Finding

In the unlikely event of a fault occurring, the following checklist should be completed to assist our Service Department.

#### General

- What is the serial number of the boiler ? \_\_\_\_\_
- How long have you owned the boiler ? \_\_\_\_\_
- Has the boiler been serviced before ? YES / NO

#### Electrical

- When plugged into the mains supply, does the green light illuminate ? YES / NO
- When set at maximum power, does the boiler heat up ? YES / NO
- When set at minimum power, does the boiler continue to boil vigorously ? YES / NO

#### Leakage

- Is water dripping from the nozzle of the tap ? YES / NO
- Is water dripping from the join between the tap and the boiler body ? YES / NO
- Is water leaking from under the boiler ? YES / NO

## SPARE PARTS LIST

Spare parts are available for the boilers from the Lincat Spares Department. It is advised that any replacement parts be fitted by a Lincat approved service engineer.

<b>Part Description</b>	<b>Lincat Part Number</b>
Tap	SL15
Energy Regulator	EN10
Energy regulator knob	KN237
Neon	NE38
Element	EL01
Relay	RE28
Lid knob with protector	KN140
A wiring diagram is available on request.	
De-scaler	MS19

## CE MARK

This product meets the requirements of all relevant European Directives including :

LVD 73/23/EEC  
EMC 89/336/EEC

BSEN60335-1: 1995  
BSEN60335-2-63: 1993

A certificate of conformity is available on request.