

## **OPERATING INSTRUCTIONS**

### HEATED WATER BATHS

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### **1. MAINS SUPPLY**

- 1.1 **240-volt units.** Each unit comes supplied with a moulded plug 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 on 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.
- 1.2 **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:-

COLOUR	REFERENCE	POWER	FUSE
BROWN	'L' Live pin	0.75 kW	7 amp
BLUE	'N' Neutral pin	1.0 kW	9 amp
GREEN/YELLOW	'E' Earth pin	1.5 kW	14 amp
		3.0 kW	28 amp

### **2. WARNING: The following precautions must be observed:**

- 2.1 DO NOT CONNECT THE UNIT TO A D.C. MAINS SUPPLY OR SERIOUS DAMAGE WILL OCCUR.
- 2.2 Do not operate the water bath when the fluid level is less than 10 mm above the perforated element cover.
- 2.3 Do not operate the water bath when the fluid level is above the ridged fill line, which is approximately 30mm from the top of the bath.
- 2.4 Do not use at temperatures above 60°C without a lid or some other means of reducing evaporation such as plastic spheres.
- 2.5 Do not use where high concentrations of inflammable solvents would occur.

### **3. OPERATION (Thermostat Control)**

- 3.1 Fit the perforated element cover in the base of the bath and fill with water to between the levels as in 2.2 and 2.3.
- 3.2 Switch 'ON' the mains switch, indicated by the green lamp.  
Adjust the thermostat dial to the required temperature setting. The amber lamp indicates when the element is on and will cycle on and off when the set point is reached.
- 3.3 Before emptying the water bath, switch off and unplug from the mains. Remove the perforated element cover then tip the water out from the corner of the bath furthest away from the electrical socket in the unit. Larger baths are fitted with a drain tap to which a suitable hose may be fitted to drain the water away.

### **3.4 OPERATION (Units fitted with Digital Control TLK39)**

Set the main temperature controller to the desired temperature by pressing the "P" button once to show SP1. Then use the up or down buttons to alter the set point. The display will revert back to the normal display if no button is pressed for approximately 10 seconds. The operational parameters of the controller have been factory set to cover a wide range of temperature and load conditions.

*Note : The top display shows actual temperature, the bottom display shows the set temperature.*

#### **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

#### **5. PREVENTATIVE MAINTENANCE**

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

**Minimum recommendation every 6 months: -**

- 5.2 Check the plug top connections are tight and the fuse rating is correct.
- 5.3 Carry out an electrical safety check using a Portable Appliance Tester, operated by a competent person.
- 5.4 Check that the control temperature is maintained within limits.  
The manufacturer can offer the above service on request.

#### **6. GENERAL**

- 6.1 Take the normal precautions not to allow water to come into contact with electrical components.
- 6.2 The unit 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).

#### **PLEASE NOTE**

Quote the serial number of the unit when ordering replacement parts (fitting instructions are supplied with parts).