

# ***Electrim TE75 Immersion Heater***

## **Instructions for use**

Read the fitting instructions below before using the heater. The heater should be sterilised prior to use.

Once the heater has been placed into the liquid, the power can be connected and switched on. The neon indicator light inside the tube will illuminate indicating that the element is on. This light will stay on until the temperature of the liquid and immersion heater have stabilised at the factory set temperature of approximately 24°C (75°F). Subsequently, the light will cycle on and off with the element.

In warmer conditions, the heater may stay off for long periods of time, and in temperatures above 25°C it may be advisable to switch it off and remove it, as the wine or beer will ferment satisfactorily without additional heat.

If you are fermenting in very warm or cold conditions (below 10°C (50°F) for example), or if your recipe requires a higher or lower fermenting temperature, it may be necessary to adjust the thermostat to achieve this.

Before adjusting the factory setting, you should operate the heater for 4 hours to allow the temperature of the liquid and immersion heater to stabilise. Check the temperature of the liquid with a thermometer. If it requires adjustment, switch off the power supply and allow the heater to cool for 20 minutes before removing it from the liquid. **This is very important, as the internal temperature of the heater can be very high. Removing from the liquid too soon can shatter the glass.**

The pointer on the adjustment knob is positioned so that when factory set at 24°C (75°F) it is pointing towards the cable entry point in the black rubber bung. Taking this setting as the 12 o'clock position, the knob should be turned clockwise to increase the temperature and anti-clockwise to decrease it. Please note that only small adjustments are required, as the thermostat is very sensitive. It should be moved to the 1 o'clock position first to increase the temperature for example and retested before moving further.

**Important: Do not turn the knob more than ½ a turn in either direction. Failure to observe this will cause permanent damage to the thermostat and invalidate the warranty.**

## **Fitting**

The support bung (red in colour) is designed to fit a standard demijohn neck hole of 1 1/8" diameter. It is important that in any application the following points are followed:

1. The minimum immersion depth is 18cm. This means that the neon light inside the tube should be below the surface of the liquid. If the heater does not reach the level of liquid in your particular vessel, lengthen the distance between the bung and tube by sliding it along the cable. The ideal position for the heater is just above the sediment in the bottom the vessel, subject to a maximum immersion depth of 40cm.
2. When used in a plastic fermenting vessel, the glass tube should not be allowed to come into contact with it.
3. To function correctly, the heater should be as close to vertical as possible.
4. It is strongly recommended that the heater is connected to the mains supply via an RCD circuit breaker.

## Wiring instructions

**Important** - The mains cable in the appliance cannot be replaced. If it is damaged in any way the appliance should be discarded.

The **Electrim 75** is fitted with a 13 amp plug with a 3 amp fuse. If the plug has to be removed or replaced please note the following.

The wire coloured **BLUE** must be connected to the terminal marked **N** or coloured **BLACK**.

The wire coloured **BROWN** must be connected to the terminal marker **L** or coloured **RED**.

Neither wire should be connected to the terminal marked **E** or coloured **GREEN & YELLOW**.

## GUARANTEE

The **Electrim 75** immersion heater is guaranteed for one year from date of purchase. If the unit has to be returned, proof of purchase must accompany it.

The glass tube is not covered by the guarantee. Therefore it is recommended that the tube is carefully examined prior to use.

The guarantee is void if the immersion heater has been improperly used, mishandled or operated with insufficient liquid. **No** consequential claims will be accepted.

The unit is factory sealed, any attempt to replace the glass tube or carry out repairs will invalidate the guarantee.

**TEMPERATURE CONVERSION TABLE**

15°C	59°F
18°C	65°F
21°C	70°F
24°C	75°F
27°C	80°F
30°C	85°F
32°C	90°F

### IMPORTANT SAFETY INFORMATION

- The Electrim 75 should never be switched on before it is immersed in liquid.
- The unit must never be removed from the liquid unless the power is switched off, and the unit has been allowed to cool for 20 minutes.
- The unit should never be allowed to come into contact with plastic fermenting vessels whilst in use.