

USER MANUAL
LAB ELECTRIC BURNER


BECELEC 2

1 - CHARACTERISTICS

- Power : 500 W
- Voltage : 230 V single-phase + earth 50/60 Hz
- Fuse rating : T 3.1A L 250V
- **User classification: II**
- The instrument should be unplugged when not in use.

2 - UTILISATION

- The apparatus must be connected to 3 pin mains compatible with its technical characteristics, and a correct earth present.
- The apparatus must be placed on a non-flammable surface
- A distance of 20 cm around the heater must be remained free in order to facilitate ventilation
- Once the unit is plugged in, the indicator "SECTOR" lights up.
- Turn the regulating knob clockwise until the desired position. Heating time : 4 minutes
- To generate a flame, use Gel' Flam and the optional stainless steel plate supplied by MEDLINE, further instructions are located on the GEL Flame container.
- Please ensure correct use of the instrument. Any misuse may compromise the safety of the instrument and warranty.

- This symbol  means: "**Danger, hot surface**"

3 - PRACTICAL INFORMATION

- Heating borosilicate test tubes with the Becelec does not require any shaking as practised with a conventional Bunsen burner. For optimum heating hold the test tube still, with a suitable test tube holder, over the centre of the burner and move slightly from side to side once the liquid boils. By moving away from the centre a reduction in heat helps prevent boiling and overspill.

For experiments requiring a flame (combustion of metals)

- Hold the stainless steel plate by the handle provided.
- Add a small amount (5ml) of Gel flam onto to the centre of the plate, taking care not to obstruct the small air hole.
- Place the plate directly onto the Burner when it is at full heat.
- Wait 10 to 20 seconds for the Gel Flam to heat and then tap the plate handle to ignite.

4 - MAINTENANCE

- This apparatus requires no scheduled or preventive maintenance. Should any overspill occur it is recommended to clean the heating element and stainless steel reflective bowl:
 - Disconnect the apparatus from the mains. Only clean the apparatus when cold
 - Check that the lower bowl draining hole is not blocked
 - The inside of the bowl may be wiped
 - Remove any burnt matter from the mesh and heating element.
 - THE ELECTRICAL CONTROL BOX REQUIRES NO MAINTENANCE. ANY MALFUNCTION NOT DESCRIBED ABOVE PLEASE CONTACT YOUR DEALER.