

Heating Mantle

Principle:

A heating mantle provides uniform and controlled heating to round-bottom flasks using an electrically heated, insulated coil. Heat is transferred evenly, reducing the risk of localized overheating compared to open flames.

Uses:

- Heating solvents and reaction mixtures
- Reflux and distillation experiments
- Organic synthesis in chemistry laboratories

Advantages:

- Uniform and efficient heating
- Safe alternative to Bunsen burner
- Available with temperature controller