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Product Name :
Film Wise Drop Wise Condensation And Boiling

Product Code :
LBNY-0005-11200010



Description :

Heating and condensing takes place inside a partially filled glass vessel. A heater coil heats the water. The equipment heats and condenses water, and includes a separate control module with a digital display. For boiling heat transfer experiments, students adjust the current in a resistant wire heater element in the water. They note the free convection and the other stages. The temperature of the wire reaches significantly higher than 100 degree C. Students watch the boiling process and note the different boiling processes.

These include:

Film boiling unstable and stable, where a vapour blanket forms and heat transfer by radiation becomes important.

Sub cooled boiling where small bubbles form and rise.

Nucleate boiling where large bubbles form and rise.

Technical Specification :

Bulk heater power: 2.5 kW

Nett dimensions and weight:

Packed dimensions and weight: Packed product: 0.71 m³ and 160 kg

Main unit: 800 mm x 400 mm x 850 mm and 55 kg

Control cabinet: Approximately 500 x 550 x 400 mm and 25 kg.

Laboratory Instrument India

