

Drop Wise & Film Wise Condensation Apparatus



Product Categories: [Engineering Equipment](#), [Heat Transfer Lab](#)

Product Page:

<https://www.labappara.com/product/drop-wise-film-wise-condensation-apparatus/>

Product Description

Drop Wise & Film Wise Condensation Apparatus

This Set-up is designed for finding heat transfer co-efficient of two types of condensation and for visualization of these processes. It consists of a vertical frame. Condensation tubes are fitted inside compact glass cylinder. Steam generator is fitted at the backside of the cylinder. Steam comes directly from generator to cylinder. Two valves are fitted to control flow rate of water in individual tubes. Digital Temperature Indicator monitors temperature. Pressure gauge and Rotameter can observe steam pressure and cold, water flow rates respectively. A Digital Temperature Controller is provided for controlling the temperature of Steam. Water level indicator is provided to safeguard heater. Condensate is measured by measuring cylinder.

Types :

Drop wise Condensation

Film wise Condensation

About the product :

A Digital Temperature Controller is provided for controlling the temperature of

Steam

Water level indicator

Condensate is measured by measuring cylinder

Two valves are fitted to control flow rate of water

Digital Temperature Indicator

Steam generator is fitted

Steam comes directly from generator to cylinder

Technical details: -

Steam Generator : 8 Ltrs. (Approx.) made of Stainless Steel

with 1.5 kW heater. Insulated with ceramic wool.

Pressure Gauge : Bourdon Type.

Copper Tubes (2 Nos.) : One with natural finish and other nickel

polished.

Dia : 19 mm (Approx.)

Length : 170 mm (Approx.)

Water Flow Measurement : Rotameter

Condensate Measurement : Measuring Cylinder & Stop Watch

Control Valves : One each for Steam, Cooling Water & Drain.

Control Panel : Digital Temperature Controller : 0-199.9°C

(for Steam Generator), Digital Temp. Indicator : 0-199.9°C With Multi-Channel Switch, ON/OFF Switch, Mains Indicator