

Product Name :
Dropwise Filmwise Condensation Apparatus**Product Code :**
NMCBS11165**Description :**

Dropwise Filmwise Condensation Apparatus Condensation is a phase change heat transfer process occurring in many industrial applications, such as in steam power plants, refrigeration plants etc. Thus this is one of the important heat transfer process present in mechanical and chemical engineering application. The condensation of Vapour on a surface is of two types: 1. Drop wise Condensation. 2. Film wise Condensation. 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 temperatures. 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 the heater. Condensate is measured by measuring cylinder. Experiments To study the Film wise & Drop wise condensation of steam on a vertical surface Visualization of condensation process in drop wise as well as film wise Utilities Required Water supply 5 lit/min (approx.) Electricity Supply: 1Phase. 220 V AC. 1.5 kW Table for set-up support Dropwise Filmwise Condensation Apparatus, Heat And Refrigeration System Exporters, Heat And Refrigeration System Manufacturers

