

Open Pan Evaporator



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

Product Page: <https://www.labappara.com/product/open-pan-evaporator/>

Product Description

Open Pan Evaporator

The Pan Evaporator set-up is designed to study the fundamentals of evaporation process. The set-up consists of a jacketed pan evaporator made of stainless steel and an electrically heated steam generator of suitable capacity. To evaporate the solution in pan, steam is allowed to enter in the jacket using a control valve. Condensate is collected from steam trap for energy measurement. Tilting is done by a worm gear arrangement to empty the pan.

Technical Specifications:

Evaporator: Hemi-Spherical, Jacketed Type, Made of Stainless Steel Insulated from Outside. Dia.:300 mm Approx

Steam Generator: Made of Stainless Steel, Provided with Pressure Gauge & Level Indicator, Safety Valve and Drain etc. & Insulated with Ceramic Wool and Cladding with Aluminum Foil.

Condensate Measurement: Using Measuring Cylinder & Stop Watch

Material: Stainless Steel

Special Arrangement To Measure the Evaporated Volume of Solvent is Done
The whole set-up is ingeniously designed and schematically arranged on a

powder-coated rigid structure.

Control Panel:

PID Controller: 0-199.9°C, (For steam generator)

Digital Temp. Indicator: 0-199.9°C, with multi-channel switch

Temperature Sensors: RTD PT-100 type.

Standard make On/Off switch, Mains Indicator.