

MT-009 SIMPLE DISTILLATION SETUP



DESCRIPTION: The equipment consists of Borosilicate glass round bottom flask as distillation still. The distillation is carried out by heating the still. The vapors coming from the column are going into the condenser. The distillate is collected in round bottom flask.

RANGE OF EXPERIMENTS TO BE CARRIED OUT :

1. To study the simple distillation
2. To verify Rayleigh Equation for simple distillation

EXPERIMENTAL SETUP:

Reboiler	:	Borosilicate glass round bottom flask
Distillate Receiver	:	Borosilicate glass round bottom flask
Condenser	:	Borosilicate glass double pipe condenser
Heating Mantle	:	Aluminum body with fiber cloth and with
Thermostat Digital Temp Indicator	:	0 – 400 °C ,
Temp Sensor	:	Mercury Thermometer
Piping	:	PVC
Setup Mounting	:	On sturdy MS stand with powder coated

SPACE REQUIRED : 1.5 m. (L) x 1.0 m (W) X 0.6 m (H).

SERVICE REQUIRED: Water Supply : @2 LPM
Power Supply : 230V, 50Hz, A. C.
Specific Gravity Bottle.

CHEMICALS REQUIRED : Methanol, Ethanol.
WEIGHT : @ 55 Kg