

MT-010 STEAM DISTILLATION SETUP



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

RANGE OF EXPERIMENTS TO BE CARRIED OUT :

1. To study the simple steam distillation
2. To calculate the steam required for the distillation

EXPERIMENTAL SETUP :

Reboiler	:	Borosilicate glass round bottom flask
Distillate Receiver	:	Borosilicate glass round bottom flask
Condenser	:	Borosilicate glass double pipe condenser
Steam Generator	:	Electrically heated baby boiler with Pressure gauge, Safety Valve
Digital Temp Indicator	:	0 – 400 °C ,
Temp Sensor	:	CR/AL Type
Pump	:	FHP Submersible pump
Piping	:	PVC
Setup Mounting	:	On sturdy MS stand with powder coated
SPACE REQUIRED	:	1.5 m. (L) x 1.0 m (W) X 0.7 m (H).
SERVICE REQUIRED	:	Power Supply: 230 V, 50 Hz, A.C.
CHEMICALS REQUIRED	:	Turpentine.
WEIGHT	:	@ 55 Kg