

## MT-014 FRACTIONAL DISTILLATION SETUP



**DESCRIPTION:** The equipment consists of Borosilicate Glass column with reboiler. The Raschig Rig Packing are fitted in the column at proper locations still. The distillation is carried out by heating the still. The vapors coming from the column is going in to the condenser. The distillate is collected in the distillate receiver

### RANGE OF EXPERIMENTS TO BE CARRIED OUT:

1. To carryout Fractional distillation.

### EXPERIMENTAL SETUP :

Reboiler	:	Borosilicate glass
Column	:	Borosilicate glass
Condenser	:	Borosilicate glass
Packing	:	Rascig rings
Heating Mantle	:	Aluminum body with fiber cloth
Digital Temp Indicator	:	0 – 400 0 C .
Temp Sensor	:	CR/AL Type
Distillate Receiver	:	Borosilicate glass
Piping	:	SS , PVC
Setup Mounting	:	On sturdy MS stand with powder coated
SPACE REQUIRED	:	1.5 m. (L) x 1.0 m(W) X 3 m (H)
SERVICE REQUIRED :		Power Supply : 230 V, 50 Hz, A.C. Water Supply : @ 2 lpm Specific Gravity Bottle
CHEMICALS REQUIRED :		Methanol Or Ethanol , Specific Gravity Bottle

WEIGHT : @ 65 Kg

