FADAK LAB EQUIPMENTS

MT-019 EQUILLIBRIUM FLASH DISTILLATION SETUP

DESCRIPTION : The apparatus consists of an overhead tank which contains liquid undergoing distillation. The liquid from the tank is metered through the Rota meter & then goes inside the copper coil in the boiler. Steam condenses outside the coil. The liquid then enters the flash chamber after being throttled by a valve. In the flash chamber the liquid flashes into vapors partially. The vapors are left to the condenser where they are condensed by water. Condensed vapors are collected & quantity measured. The enriched liquid at the bottom of the chamber is collected & measured.

RANGE OF EXPERIMENTS TO BE CARRIED OUT :

To study equilibrium flash distillation .

1, Camp's Corner, Nr. Narhari Hospital, Fatehgunj, Vadodara - 390 002, Gujarat, India.
Tell No. +91 265 750186, Cell No. +91 9727759429
info@fadaklabequipments.com

EXPERIMENTAL SETUP :

Reboiler	:	Material Stainless Steel
Column	:	Material Stainless Steel
Condenser	:	SS , Shell and Tube type Condenser
Flow Measurement	:	2 No. Pre calibrated Rota meter
Flash Chamber	:	Material Stainless Steel.
Steam Generator	:	Electrically heated with Pressure Gauge, Safety Valve
Digital Temp Indicator	:	0 – 400 0 C .
Temp Sensor	:	CR/AL Type
Distillate Receiver	:	Material Stainless Steel
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** : 440 V, 50 Hz, A.C. **Water Supply** : @ 2 lpm b Specific Gravity Bottle
CHEMICALS REQUIRED	:	Methanol Or Ethanol
WEIGHT	:	@ 65 Kg

1, Camp's Corner, Nr. Narhari Hospital, Fatehgunj, Vadodara - 390 002, Gujarat, India.
Tell No. +91 265 750186, Cell No. +91 9727759429
info@fadaklabequipments.com