

## MT-026 DIFFUSION COEFFICIENT OF VOLATILE LIQUID IN AIR



**DESCRIPTION :** The experimental set up consists of glass U tube with a capillary base. The U tube is immersed in water tank. . A scale is provided in front of the capillary for measurement of fall liquid level. Fan is provided to blow a gentle current of air over the capillary box, at a rate controlled by a valve. The tank temperature & in turn the liquid temperature is measured by the thermometer

### RANGE OF EXPERIMENTS TO BE CARRIED OUT:

Study of diffusion of CCL<sub>4</sub> in air

### EXPERIMENTAL SETUP :

Stephens Tube	:	Borosilicate Glass
Heater	:	Magnetic Stirrer with Hot plat
Blower	:	¼ HP
Measuring Scale	:	1No.
Digital Temp Indicator	:	0 – 200 0 C.,
Sensor	:	CR/AL
Type Piping	:	SS , PVC
Setup Mounting	:	On sturdy MS stand with powder coated

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

**SERVICE REQUIRED** : Power Supply : 230 V, 50 Hz, A. C.

**CHEMICALS REQUIRED** : CCL<sub>4</sub>

**WEIGHT** : @ 45 Kg