

## SHM-07 SINGLE EFFECT EVAPORATOR



### **RANGE OF EXPERIMENTS TO BE CARRIED OUT:**

1. To study the Evaporation Process
2. To calculate the rate of Evaporation

### **TECHNICAL DESCRIPTION:**

#### **This unit consists of:**

- a Main shell: 1 No.  
Tubes are fixed on triangular pitch  
Down comer  
Sight glass will be provided  
Type: Boiler gauge glass.

#### **Heating Arrangement by Steam:**

- i. Water ring vacuum pump of 1 HP Motor for suction
- ii. Product receiver of 5 Ltr. capacity
- iii. Condenser will be provided.

#### **Control Panel:**

- i. 12 Channel digital temperature indicator.
- ii. Set of thermocouples for above temperature indicator.
- iii. Compensating cable for above thermocouple.

**DIMENSIONS AND WEIGHT :**

Size :1.5 m.(L)x 1m(W) X 1.5m ( H )

Weight :Approx. 100 Kg

**SERVICE REQUIRED :** 440 v 3 Phase Ac Supply 50 Hz

**SCOPE OF DELIVERY:**

1. Experimental Setup
2. Instructional Manual