

## **ABSOLUTE & KINEMATIC VISCOMETER BATH**

### **BE 93**

A kinematic viscometer bath is a specialized laboratory instrument designed to maintain a precise, constant temperature environment for measuring the kinematic viscosity of fluids, particularly petroleum products like oils, lubricants, and fuels. Kinematic viscosity measures a fluid's resistance to flow under gravity, expressed in units such as mm<sup>2</sup>/s (centistokes), and is critical for quality control.

### **FOLLOWING STANDARD**

IS 1206 (Part II) and (Part III), ASTM D445

### **PRODUCTS DETAILS**

Determination of Absolute and kinematic Viscosity with the following components:

1. Constant Temperature Bath - A suitable bath for immersion of 2 vacuum capillary viscometer tubes with a digital temperature controller. The accuracy of the temperature in the bath will be  $\pm 0.2^{\circ}\text{C}$  throughout the bath. **(resolution of  $0.01^{\circ}\text{C}$  available at extra cost)**
2. Silicone bath oil suitable up to  $150^{\circ}\text{C}$  - 15 Liters
3. Vacuum System - The system will consist of vacuum pump, moisture trap, vacuum regulator, bleed valve, all interconnecting tubing / piping, and any other accessories as needed to complete the vacuum system.
4. Built in Digital Timing Device - A stop watch capable of reading up to 0.01 second.
5. Indian Make Cannon - Manning Vacuum Viscometer Tubes of Size 12 and 13 Supplied with manufacturers' calibration certificate, viscometer tube holder and silicone cork. This will cover the Viscosity range from 800-3200 poise.
6. Indian Make Reverse flow Viscometer to cover Viscosity range of 250-400 cst (1 Nos.)

BALAJI

