



## K23900 Kinematic Viscosity Bath



### Test Method

Kinematic viscosity is of primary importance in the design and selection of a wide range of petroleum products. Calibrated capillary viscometers are used to measure flow under gravity or vacuum at precisely controlled temperatures.

### Features

- Conforms to ASTM D445 and related specifications
- Accommodates 7 capillary viscometers
- Microprocessor temperature control between 20 and 100 °C (212 °F)
- Stainless steel bath construction
- Dual digital displays show setpoint and actual bath temperature
- Selectable temperature scale - Fahrenheit or Celsius
- Integrated redundant overtemperature and low liquid level cut-off circuitry

### Description

Constant temperature bath with advanced temperature control circuitry for convenient, accurate glass capillary viscometry determinations. Microprocessor PID circuitry assures precise, reliable temperature control within ASTM specified stability and uniformity throughout the operating range of the bath. Simple push-button controls and dual digital displays permit easy setting and monitoring of bath temperature. Baths accommodate seven glass capillary viscometers of various types. Viewing the viscometers is made easy by LED illumination inside the bath and a baffle that provides a background for easy viewing. Temperature control uniformity is assured by means of an integrated stirrer and baffling system for uniform bath temperature distribution. Connection of the built-in cooling coil to tap water or a recirculating water chiller facilitates temperature control at ambient or below ambient temperatures.

### **Included Accessories**

- Test Port Covers (7)

### **Specifications:**

Conforms to the specifications of: ASTM D445, D6074, D6158; IP 71; ISO 3104; DIN 51550; FTM 791-305; NF T 60-100

Temperature Control Range: 20°C to 100°C (212°F)

Temperature Display Resolution: 0.01°C

Temperature Display Accuracy:  $\pm 0.01$  °C

Bath Temperature Stability:  $\pm 0.02$  °C

Bath Temperature Uniformity:  $\pm 0.02$  °C

Thermometer Ports: 2

Connectivity: USB

Drain Valve: 1/2" female NPT fitting (back of unit)

Viscometer ports: Seven round 2" (51 mm) ports

Bath Medium: 10 cSt Silicone Oil

**Electrical Requirements:** 115V-240V 50/60Hz, Single Phase, 12A Max

### **Dimensions**

**wxdxh, in. (cm)**

15.4x17.2x24.4 (39.12x43.69x61.68)

**Net Weight:**

72 lbs (32.66 kg)