

KINEMATIC VISCOSITY BATH

New!

KV-6



Optional Six-Channel Quartz Timer



CE

The model KV-6 is a Constant Temperature Bath designed for measurement of kinematic viscosity of liquid petroleum products.

A fluorescent lamp illuminates viscometers brightly for easy observation of meniscus. Seven viscometer holders (for Cannon-Fenske or Ubbelohde viscometers) are included as standard accessories. (Viscometers, bath liquid and liquid-in-glass thermometers must be purchased separately.)

WIDE TEMPERATURE RANGE (20 °C to 150 °C) AND HIGH ACCURACY TEMPERATURE CONTROL

KV-6 maintains bath liquid temperature accurately as required by ASTM D445. Within the range of 20 °C to 100 °C, the temperature is controlled within ± 0.01 °C; ± 0.03 for outside of this range.

For 20 °C to 30 °C, connect the built-in cooling pipe to tap water or a recirculating water chiller.

DIGITAL TEMPERATURE DISPLAY

Microprocessor and built-in platinum resistance probe (PT-100) allows one-touch temperature selection and on-screen temperature display.

SPECIFICATIONS:

CONFORMING STANDARDS:

ASTM D445, ISO 3104, IP71 and JIS K2288

APPLICABLE VISCOMETER:

Cannon-Fenske type, Cannon-Fenske Reverse flow type (with standard viscometer holder), Ubbelohde type (with optional viscometer holder)

BATH:

Stainless Steel with a heat resistant glass, W320 x D230 x H320 mm

Equipped with overflow tube and drain cock

Capacity: 23 liters

TEMPERATURE CONTROL:

PID controlled by Microprocessor

Precision : $\pm 0.01^{\circ}\text{C}$ @ 20°C to 100°C

$\pm 0.03^{\circ}\text{C}$ outside of above range

Preset temp. : six temperature points: 25, 40, 50, 80, 100 and 135°C .

Preset temperature can be changed at the factory at any point between 20 to 150°C . (optional)

Please specify when ordering.

Temp. Adjust : by pressing switches located at the front panel.

Temp. Sensor: PT-100

HEATER:

Sheathed Heaters, 700W x 2 pcs

COOLING SYSTEM:

For 20 to 30°C , by flowing chilled water or cooled air through the cooling pipe installed at the bottom of bath.

STIRRER:

Propeller type. Highly efficient heat exchange is established.

ILLUMINATION:

A fluorescent light positioned horizontally in the front-top of the bath.

RECOMMENDED BATH MEDIUM

20 to 80°C : Distilled Water

Above 80°C : Silicone Oil

DIMENSIONS AND WEIGHT:

W400 x D380 x H662 mm,

33kg (56kg with water filled)

POWER REQUIREMENTS:

100 or 120VAC, 15A Max.

220 or 240VAC, 9A Max.

Please specify when ordering.

ORDERING INFORMATION:

STANDARD ACCESSORIES:

- | | |
|---|--------|
| 1. Viscometer Holder, for Cannon-Fenske type* | 7 pcs |
| 2. Lid for Viscometer Holder Opening | 7 pcs |
| 3. Temperature Sensor | 1 pc |
| 4. Silicon Stopper No.0A for Thermometer | 1 pc |
| 5. Overflow Hose, 2m | 1 pc |
| | 1 pc |
| 6. AC Power Cord | 1 pc |
| 7. Instruction manual | 1 copy |

*: It can be replaced with Ubbelohde type upon request.

Please specify when ordering.

OPTIONAL ACCESSORIES:

- Viscometer Tube Holder for Ubbelohde type
- Viscometer Tube, Cannon-Fenske Routine type
- Viscometer Tube, Cannon-Fenske Opaque type
- Viscometer Tube, Ubbelohde type
- Silicone Bath Oil (SRX-310)
- Six-Channel Quartz Timer, Model: DSW-6
- Thermometer ASTM 28C (37.8°C)
- Thermometer ASTM 29C (54.4°C)
- Thermometer ASTM 40C (80.0°C)
- Thermometer ASTM 44C (20.0°C)
- Thermometer ASTM 45C (25.0°C)
- Thermometer ASTM 46C (50.0°C)
- Thermometer ASTM 47C (60.0°C)
- Thermometer ASTM 110C (135.0°C)
- Thermometer ASTM 118C (30.0°C)
- Thermometer ASTM 120C (40.0°C)
- Thermometer ASTM 121C (100.0°C)
- Thermometer ASTM 129C (93.3°C)
- Thermometer ASTM 132C (150.0°C)

SUGGESTED SPARES FOR 2 YEARS:

- | | |
|-------------------------|-------|
| 1. Fluorescent Light 6W | 2 pcs |
| 2. Glow Lamp | 1 pc |

Specifications subject to change without prior notice.

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