

PSL TCB-7 Viscometer Bath

Constant Temperature Viscometer Bath

Stirred Liquid Bath, suitable for Kinematic Viscosity,
Solution Viscosity & Density testing

Features:

- **Calibration to 0.01°C**
- **7 Viscometer positions**
- **Small footprint**
- **Thermometer holder built in**
- **Cooling coil built in**
- **Stainless steel casing**
- **Splash proof keypad**
- **Range up to 150°C**
- **Integrated back light (optional)**



**ASTM D445, IP 71,
ISO 3104, ISO 3105,
ASTM D1298**

Easy to Use

The TCB-7 bath is very easy to operate. Using the touch pad on the control unit, the set-point is keyed in. The set-point can be programmed and calibrated to two decimal places. A thermometer holder for precision thermometer is built in. Safety features include a low liquid level switch, an upper temperature limit warning, a low temperature limit warning and a high temperature cut-out device.

Excellent Visibility

The bath construction affords full visibility of up to 7 viscometers, which can be placed in the bath simultaneously.

Part No. 20402

Built in cooling coil

The TCB-7 bath can be used from 15 to 150°C, and is supplied with a built in cooling coil. Operation at temperatures from 15°C to 40°C require an external source of chilling. This is provided by a cool liquid, which is passed through the cooling coil. A recirculating chiller is available from PSL to provide the cooling required. The PSL Rheotek TLC-250 Chiller is specially designed for operating with the TCB-7MkII bath.

Stability Certificate

All TCB-7 baths are supplied with a certificate of temperature stability and uniformity. Excellent circulation technology provides superior uniformity.

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Bath Liquids

- **Silicone oil**

PSL Silicone oil is the perfect bath medium for the TCB-7 Viscometer Bath. Completely clear, it has virtually unlimited durability, provided that it is protected from sample spills. PSL silicone oil is supplied in 5 liter containers.

Operational temperature:
25°C to 100°C

Part No. 20415

- **Mineral Oil**

PSL Mineral Oil is a clear hydrocarbon base oil. Supplied in 5 litre containers. Operational temperatures : 20 to 40°C

Part No. 20418

PSL Viscometer Bench Stand

- **Stainless Steel**
- **Drip tray**

The Viscometer Bench Stand is supplied complete with drip tray and in a convenient storage tool for viscometers immediately before and after use. It accommodates up to 6 viscometers in holders and is fitted with 10 drip points on the sides.



Part No. 20430

TT-3 Thermometer

- **Digital thermometer**
- **PT 100 thermometer probe**
- **Optional calibration of PT100 probe at 2, 3 or 4 point**

The TT-3 digital thermometer is recommended for use with the TCB-7 viscometer bath



PSL Rheotek Chiller

- **Working range 5 to 40°C**
- **Refrigerant R134a**
- **High condensation efficiency**
- **Space-saving design**
- **Filling level indicator**

The PSL Rheotek Chiller is ideal for use with the TCB-7 Viscometer Bath. The chiller is usable for working temperatures from +5°C to +40°C with a temperature stability of $\pm 0.5^\circ\text{C}$ and an Eco friendly alternative to tap water.



Part No. RP00023

TCB-7 Specifications

Temperature Stability Typical	$\pm 0.01^\circ\text{C}$
Volume	40 Liters
Heater Capacity 230V	2000W
Heater Capacity 115V	1000W
Dimensions	380mm x 405mm x 420mm
Internal Depth	400mm
Net Weight	36 Kg
Bath Liquid	Silicone oil, Mineral oil or Demineralised water