

The CT-518 series constant temperature bath accommodates viscometer tubes requiring a bath depth up to 18" and provides reliable temperature control from 20 °C to 100 °C. The unit accommodates up to 7 simultaneous viscosity determinations.

#### Common Applications

- Formulated oil analysis
- Hydraulic oil analysis
- Additive analysis
- Marine fuel testing
- Base stock analysis
- Light and heavy fuel testing
- Waxes/paraffin
- Crude oil testing
- Glycols

# CT-518

## Constant Temperature Bath

For Kinematic Viscosity from 20 °C to 100 °C  
ASTM D445/D446, ISO 3104/3105

### Product Features & Benefits

#### Precise & accurate temperature control

- Temperature range: 20 °C to 100 °C  $\pm 0.01$  °C\*
- Temperature selection is variable between 20 °C and 100 °C or selectable at ten pre-set temperatures [20 °C, 25 °C, 30 °C, 40 °C, 50 °C, 60 °C, 70 °C, 80 °C, 90 °C, and 100 °C]
- Meets ASTM D445 temperature sensitivity requirements for kinematic viscosity determination
- Motor driven stirrer ensures a uniform bath temperature

#### Safe operation

- Bath thermistor senses over-temperature fault and removes power
- Thermistor disconnection results in removal of bath heater power
- Liquid level sensor prevents operation if bath liquid is not at a safe operating level

#### Efficient, user-friendly design

- Seven glass viscometer ports (each 2" in diameter) and two thermometer ports (each 0.4" in diameter) allow up to 7 simultaneous viscosity determinations\*\*
- Two electric heating elements quickly heat bath media to the selected temperature
- Stainless steel baffle provides a plain reflective viewing background
- Convenient drawer provides easy access to electrical controls

#### Reliable performance

- Well tested CANNON bath platform offers reliability and dependable support
- All wetted components are manufactured from high quality stainless steel or glass
- The heavy duty aluminum frame offers a corrosion-resistant epoxy finish

\*Test temperatures <40 °C and high ambient temperature test environments require an optional bath cooler

\*\*Other port configurations are available as a special order



2139 High Tech Road | State College | PA | 16803  
800-676-6232 | 814-353-8000 | Fax 814-353-8007

sales@cannoninstrument.com | [www.cannoninstrument.com](http://www.cannoninstrument.com)

# CT-518 Constant Temperature Bath

## Ordering Information

CT-518 Constant Temperature Bath consists of the bath unit and viscometer port covers. Vicometer tubes, holders, bath oil and thermometer sold separately.

Description	Part #
120 VAC, 50/60 Hz	9726-A17
240 VAC, 50/60 Hz	9726-A19

## Options

NOTE: Part numbers are listed below for field installable options.

Description	Part #
Thermoelectric Bath Cooler [external]	
CBC-100 with U.S. plug	9726-D05
CBC-100 with non-U.S. plug	9726-D10

## Accessories & Consumables

Description	Part #
Glass viscometers & holders	various
Storage drawer	9726-A50
Port cover set [7 covers; 2 thermometer holders]	22.39
Bath oils	
IBF oxidation resistant bath oil [22.7 L/6 gal]	9726-L20
Silicone bath oil, 10 cSt [18.9 L, 5 gal]	9726-L30
Silicone bath oil, 20 cSt [18.9 L, 5 gal]	9726-L33
Silicone bath oil, 50 cSt [18.9 L, 5 gal]	9726-L36
Silicone bath oil, 10 cSt [3.8 L, 1 gal]	9726-L37
Silicone bath oil, 20 cSt [3.8 L, 1 gal]	9726-L38
Silicone bath oil, 50 cSt [3.8 L, 1 gal]	9726-L39
Dostmann digital thermometer	61.5600
Standard thermometer probe	61.5601
CANNON pressure/vacuum pump	9726-L96
3VM vacuum manifold, 3 valves	9726-V10
4VM vacuum manifold, 4 valves	9726-V05
Neoprene vacuum tubing, 10 ft [1/4 in bore x 5/8 in OD]	9726-V23
DVR-1000 [requires vacuum source]	
Available in vertical/horizontal and 120 VAC/ 240 VAC configurations	See flyer
DVR-1500 [with built-in vacuum pump]	
Available in vertical/horizontal and 120 VAC/ 240 VAC configurations	See flyer

## Product Specifications

Dimensions [W x D x H]	40.7 cm x 36.2 cm x 76.2 cm [16 in x 14.25 in x 30 in]
Weight	22 kg [48 lb]
Shipping dimensions [W x D x H]	76.2 cm x 58.4 cm x 55.9 cm [30 in x 23 in x 22 in]
Shipping weight [with all items]	36.3 kg [80 lb]
Temperature range & accuracy	20 °C to 100 °C ± 0.01 °C* *Test temperatures <40 °C and high ambient temperature test environments require an optional bath cooler
Sample capacity	7
Bath height	18 in
Bath volume	23.8 L [6.3 gal]
Operating conditions	15 °C to 30 °C, 10% to 75% relative humidity (non-condensing), Installation Category II; Pollution Degree 2
Electrical specifications	120 VAC, 50/60 Hz; 240 VAC, 50/60 Hz; 1,300 watts power consumption
Compliance	CE Mark; EMC directive [2004/108/EC]; Low voltage directive [2006/95/EC]; HI-POT [1900 VDC, 60 sec.]; ROHS

CANNON Instrument Company® provides a variety of physical property testing equipment and consumables [vials, bath fluids, and reference materials] for your testing needs. To learn more, contact [sales@cannoninstrument.com](mailto:sales@cannoninstrument.com).



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