## LOW TEMPERATURE VISCOSITY MEASURED BY ROTATIONAL VISCOMETER

## **BVS5000 Programmable Brookfield Viscosity Liquid Bath System**

- Sample soaking and testing in a single bath, eliminating the need for an air bath and the risk of sample temperature rise during transfer
- Redesigned for improved control of sample movement and handling during testing
- Microprocessor PID temperature control duplicates the sample cooling rates in ASTM D2983
- Up to 40 cooling/testing temperature profiles can be stored in memory

Redesigned programmable baths with improved features for sample handling and testing. Bath accommodates 10 samples for Dynamic Viscosity testing. Sample cells are immersed in a liquid bath for the entire soaking and testing period, eliminating the need to transfer cells from an air bath to a liquid bath with insulated balsa wood carriers. Also eliminated is the inherent risk of sample temperature rise during transfer. The programmable microprocessor PID controller stores up to 40 temperature profiles that duplicate the sample cooling rates found in ASTM D2983. Steady state temperature accuracy and uniformity exceed ASTM requirements throughout the operating range from ambient to -55°C. Air-cooled hermetic compressors provide efficient operation with the use of CFC-free refrigerants.

The mounting position for the Rotational Viscometer has been changed to permit easier access to the samples and viscometer controls. Cabinet has a front window and glare-free fluorescent lighting for distortion free viewing of the sample cells. Cabinet construction is polyester-epoxy finished steel with a chemical-resistant composite top surface. A removable insulated cover with handle is included. Bath rests on adjustable leveling feet. Safety features include a probe fault detection circuit in the primary temperature controller and a redundant latching controller and probe for temperature fault protection.



Conforms to the specifications of:

ASTM D2983 - Note 2 and Note 10; IP 267 Method B; CEC-L-18A-30; ISO 9262

Sample capacity: 10 samples

Temperature control: Microprocessor PID digital-indicating programmable controller with ±0.05°C steady state stability

Operating Range: ambient to -55°C Electrical Requirements: **C**€

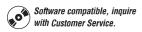
220-240V 50 or 60Hz, Single Phase, 12.6A

**Dimensions:** lxwxh,in,(cm) 41x34x38 (104x86.5x96.5) Net Weight: 327 lbs (148.5kg)

## **Shipping Information**

Shipping Weight: 497 lbs (226kg) Dimensions: 41.5 Cu. ft.

Ordering Information		
BVS5000 Programmable Brookfield Viscosity		
Liquid Bath System, 220-240V 50Hz		
BVS5000 Programmable Brookfield Viscosity		
Liquid Bath System, 220-240V 60Hz		





K34715 Programmable Brookfield Viscosity Liquid Bath System

Accessories		
Catalog No.		Order Qt
K447-BL	Rotational Viscometer, Bold Series L	-
	100-240V 50/60Hz	
K447-PL	Rotational Viscometer, Power Series L	
	100 <b>-</b> 240V 50/60Hz	
K34706	Insulated Spindle No.4B2	
K447-SP-L4	L4 Spindle	
K2983-2	Cell Stopper (For K34706 Only)	
K34707	Cell Stopper	12
K34779	Spindle Support Clips	1:
K34708	Insulated Cell Carrier (for Air Bath)	
K34709	Test Cell - Round Bottom (pack of 12)	
K34770	Test Cell - Flat Bottom (pack of 12)	
250-000-122C	ASTM 122C/IP94C Thermometer	
	Range –45 to –35°C	
250-000-123C	ASTM 123C/IP95C Thermometer	
	Range –35 to –25°C	
250-000-124C	ASTM 124C/IP96C Thermometer	
	Range –25 to –15°C	
250-000-125C	ASTM 125C/IP97C Thermometer	
	Range –15 to –5°C	
355-005-027	Viscosity Standard N27B	
	Viscosities in centipoise at -40, -30, -20, -15,	–10, 0°F
355-005-115	Viscosity Standard N115B	
	Viscosity in centipoise at -20, -15, -10, 0, +10,	, 20°F





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