Low Temperature Viscosity Measured by Rotational Viscometer

test method

Determines the low temperature, low shear rate viscosities of gear oils, automatic transmission fluids, hydraulic oils and other fluid lubricants by use of a rotational viscometer.

New BVS4000 Brookfield viscosity air bath system

- Conforms to ASTM D2983 and related specifications
- Mechanically refrigerated with digital indicating temperature control
- Operating range to –50°C
- Sixteen sample capacity

Mechanically refrigerated cold cabinet prepares samples for dynamic viscosity determinations on petroleum lubricants. A built-in turntable rotates the samples at 4rpm per specifications. Cooling system maintains cabinet temperature within ±0.1°C at temperatures as low as –50°C. Cabinet temperature is displayed in digital format on the front panel. Cabinet accommodates sixteen (16) sample cells with cell carriers. Includes insulated cover.

specifications

Conforms to the specifications of:
ASTM D2983; IP 267 Method A; ISO 9262; CEC-L-18A
Capacity: 16 sample cells with cell carriers
Temperature Range: +10°C to –50°C
Temperature control accuracy: ± 0.1°C
Sample Rotation: 4rpm

Electrical Requirements
115V 60Hz, Single Phase, 16A
220-240V 50 or 60Hz, Single Phase, 12A

Dimensions: lxwxh,in.(cm)
36x28x43 (91x71x109)
Net Weight: 315 lbs (143kg)

Shipping Information
Shipping Weight: 380 lbs (172kg)
Dimensions: 38.9 Cu. ft.

ordering information

catalog no.	description
K34710	BVS3000 Brookfield Viscosity Liquid Bath System 115V 60Hz
K34711	BVS3000 Brookfield Viscosity Liquid Bath System 220-240V 50Hz
K34712	BVS3000 Brookfield Viscosity Liquid Bath System 220-240V 60Hz
K34700	BVS4000 Brookfield Viscosity Air Bath System 115V 60Hz
K34701	BVS4000 Brookfield Viscosity Air Bath System 220-240V 50Hz
K34702	BVS4000 Brookfield Viscosity Air Bath System 220-240V 60Hz

K34702 Brookfield Viscosity Air Bath System (BVS4000)

New BVS3000 Brookfield viscosity liquid bath system

- Permits viscosity measurements without the risk of temperature increase
- 10 sample turntable
- Mechanically refrigerated with digital indicating temperature control
- Operating range to –55°C

Constant temperature liquid bath permits testing of samples without the risk of sample temperature rise. After cooling in the air bath, the sample must be transferred to the balsa cell carrier for testing with the Rotational viscometer. If the sample is not tested quickly, there is the risk of sample temperature rise. The Brookfield Viscosity Liquid Bath System eliminates this risk by permitting the sample to be tested in a constant temperature environment. The Rotational viscometer mounts directly on the bath and the samples are rotated into position under the spindle by means of a built-in turntable. Cooling system maintains temperature with ±0.05°C stability in the range of +10°C to –55°C. Bath temperature is displayed in digital format.

specifications

Conforms to the specifications of: ASTM D2983
Sample Capacity: 10 samples
Temperature Range: +10°C to –55°C
Temperature Control Stability: ±0.05°C

Electrical Requirements
115V 60Hz, Single Phase, 16A
220-240V 50 or 60Hz, Single Phase, 12A

Dimensions: lxwxh,in.(cm)
17x24x25(43x61x25)
Net Weight: 265 lbs (120kg)

Shipping Information
Shipping Weight: 300 lbs (136kg)
Dimensions: 13.9 Cu. ft.

Koehler INSTRUMENT COMPANY, INC.
85 Corporate Drive, Holtsville, New York 11742
1-800-878-9070 (in u.s. only) TEL: +1 631 589 3800 FAX: +1 631 589 3815
Email: sales@koehlerinstrument.com www.koehlerinstrument.com