

PROGRAMMABLE LIQUID BATHS for LOW TEMPERATURE BROOKFIELD VISCOSITY

- Conforms to ASTM D2983-03 Requirements of Note 4 and Annex A2, ISO 9262, and IP267
- Superior Data Reproducibility And Repeatability vs. Air Chamber Method
- Eliminates Use of Balsa Wood Carriers
- Operating Temperature Range from +20° to -55°C
- Temperature Stability of $\pm 0.1^\circ\text{C}$
- Full Visibility of the Immersed Sample
- Single Bath Model and Two Independent Baths Model

The use of programmable liquid baths for ASTM D2983 has been allowed since the first development of the test if the cooling profile meets the specifications of Annex A2 of the method.

The Lawler liquid baths are programmed such that the sample cooling rate equals the cooling rate experienced by a sample when immersed in the constant low temperature air chamber, and as specified by Annex A2 of the method.

The bath can also be programmed to cool at a rate of 1°C per minute from ambient to as low as -55°C as per CEC-L-18A, ISO 9262, and IP 267 for the measurement of European low temperature Brookfield viscosity.

All programmable liquid baths for Brookfield viscosity offered by Lawler are mechanically refrigerated using ozone friendly refrigerants. Operating temperature range is $+20^\circ$ to -55°C with temperature stability of $\pm 0.1^\circ\text{C}$. Windows based PC proprietary software is capable of controlling two baths simultaneously. The twin baths can operate independently at two different temperatures, with independent test starting times and test duration times.

The bath is an unsilvered Dewar jar holding about 3 liters of bath medium. The illuminated jar allows full visibility of the test samples to facilitate the proper positioning of the spindle's bead at the sample's surface.

Also for Methods:

ASTM	D2983
ISO	9262
IP	267
Other	CEC-L-18A



▲ Model LB-76



▲ Model LB-76-2 Operating Screen