

Precision Laboratory Instruments

for testing Lubricants & Fluids



BLB

Brookfield Liquid Bath

ASTM D2983 | IP267

Low-Temperature Brookfield Viscosity:

Measures low temperature viscosity of lubricants using the patented SimAir™ technique with a small, less costly, *constant* temperature liquid bath. Only technique for independent sample analyses to eliminate batch sample testing. Features a 12-position carousel.

BLB 701 Model: +30°C to -40°C

BLB 702 Model: +30°C to -70°C



MRV TP-1

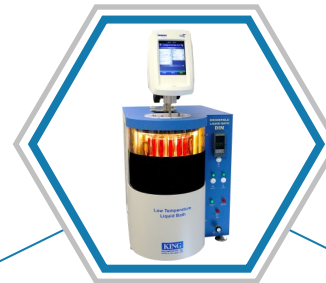
Mini-Rotary Viscometer

ASTM D3829, D4684, D6821, D6896

Low-Temperature Pumpability & Yield

Stress: Determines borderline pumping temperatures of oils and lubricants with patented *direct refrigeration* technology. Features a small bench-top footprint with removable test cells for ease-of-use.

Required test for SAE J300; ILSAC GF Specifications; API *SL, SM, SN*; ASTM D4485; JPI 5S-42-04; Chinese GB-11121; OEM factory fill.



BLB-DIN

Brookfield Liquid Bath

DIN 51398 | ASTM D2983 | IP267

Low-Temperature Brookfield Viscosity:

Similar to D2983, the German Standard DIN 51398 determines the apparent viscosity of gear oils and related fluids at low-temperature. Features programmable control, digital display to 0.01°C, and cooling at 1°C/min to -55°C.

The BLB-DIN can be adjusted to run either the D2983 test (using SimAir™ Cells) or the DIN standard.



CP610

Cloud & Pour Point Low-Temperature Liquid Bath

ASTM D97, D2500, D5853
IP15, IP219, IP441 | ISO 3015, ISO3016
DIN 51597 | JIS K2269

King Cloud & Pour Point Bath:

Measures low temperature cloud point and pour point of fluids and lubricants.

Standard *manual* cloud and pour bath offers an alternative to costly automated devices.

Self-contained refrigeration system with ramp/soak temperature programming ability.



KV Bath

Kinematic Viscosity Low & High Temperature Liquid Baths

ASTM D445, D2170, D6074
IP71 | ISO 3105
DIN 51550 | JIS K2283

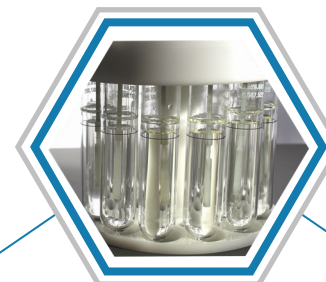
Kinematic Viscosity Baths:

Measures low temperature, ambient, and high temperature viscosity of fluids and lubricants. Standard *manual*/KV baths offer alternatives to costly automated devices. Widely used test for many specifications.

KV801 Model: +30°C to -40°C

KV802 Model: +30°C to -70°C

KV803 Model: +40°C to 150°C



SimAir™ Test Cells

Patented Test Cell Innovation for ASTM D2983

ASTM D2983 | IP267

SimAir™ Test Cells offer simple, precise, and more efficient data acquisition. Used exclusively in the King BLB and Tannas SB+2 liquid baths, the SimAir™ Glass Stator design incorporates an insulating chamber between two glass walls to simulate the cooling profile of the original cold air cabinet. Each Test Cell functions with its own independent cooling profile, and can be added or removed at any time.



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