

Low Temperature KV Bath

LTKV baths are compliant with ASTM D445 Kinematic Viscosity of Transparent and Opaque Liquids (and Calculation of Dynamic Viscosity)



Visco Plus series



The FORZA **LTKV-D445-L-4** is a low temperature FOUR test position bath specially designed to perform kinematic viscosity tests between +15 deg C and -25 deg C.

The FORZA **ULTKV-D445-L-4** is an ultra low temperature FOUR test position bath specially designed to perform kinematic viscosity tests between +15 deg C and -69 deg C. *(This ULTKV Bath can also be used for ASTM D2386 – Manual Freezing Point with an additional stirring mechanism module.)*

Key Features

- Windows-based, High-Resolution 7-inch Touch Panel with Integrated Timers.
- Fully ASTM D445 Compliant software
- Digital micro processor precise temperature control with an accuracy of +/- 0.01°C.
- Viscometer Tracking by Serial Number
- Viscometer Calibration Constant Database
- Geographic adjustment for Standard Gravity for better precision on results.
- Gravity : pre-loaded with user's local std.gravity
- Easy to Export Data to USB and then to other Data Processing Softwares
- Built-in safety features for over temperature and low liquid level conditions.
- Thermally Insulated, High-Visibility Front Glass Window

Apparatus Design

Forza ViscoPlus Series of test equipment are software-driven manual viscosity baths, designed to be compliant with ASTM D445 Kinematic Viscosity of Transparent and Opaque Liquids (and Calculation of Dynamic Viscosity). Though not an automatic viscosity bath, Forza has developed advanced software to significantly reduce the pain points that come with performing the viscosity tests.

These units come with a 7- inch, high resolution touch screen. The timers that are required to run ASTM D445 are integrated within the software. The software has been designed with the user in mind, and zero calculations will be required to be performed by the user. All necessary calculations for the test results are performed by the software. To further alleviate the complications running ASTM D445, the software allows for storage of calibration constants for the viscometers, and even adjustment of the standard gravity based on location. The working top has 4 test positions that accommodate viscometers, appropriately chosen for the products viscosity ranges. The fully lighted bath is surrounded by a corrosion-resistant metal cabinet with a glass viewing window.

The ULTKV unit's two positions can be covered for the usage of ASTM D2386 Freezing point by an additional stirring module.

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