



New! Low Temperature Kinematic Viscosity Baths for Jet Fuel Testing!

The TV12LT is a unique bench-top visibility bath. Working temperatures range from -50°C up to $+80^{\circ}\text{C}$! An integrated cooling system can produce bath temperatures down to -50°C . A proprietary cooling technique reduces energy consumption up to 75% compared to conventional baths.

Tamson baths are specially designed for tests requiring ultra-precise temperature control, or processes which need to be followed visually. These can include viscometry, thermometer and sensor calibration, density, and reaction rate measurement. The TV12LT has heated windows keeping them clear and preventing the build-up of moisture.



The cover of the bath has four, round, 51 mm holes with lids, for suspending glass capillary viscometers in holders. A permanent light is located in the top plate ensuring optimal visibility. The TV12LT requires only 15 liters of bath medium. A bath overflow outlet protects against expanding bath fluid. The bath can be emptied via a NEW built-in drain. A LED fluid level indicator alarms when fluid level is too low. The bath is fitted with adjustable feet for leveling.

Improve your Jet Fuel Kinematic Viscosity Results.

The TV12LT provides the most stable environment for kinematic viscosity measurement. The TV12LT can be operated from -50°C up to $+80^{\circ}\text{C}$ in steps of 0.01°C . The readout is in 0.01°C . Overall accuracy is better than $\pm 0.02^{\circ}\text{C}$ over the entire temperature range. The homogeneity is better than 0.02°C . ASTM D445 method requires $\pm 0.05^{\circ}\text{C}$. For example, a temperature instability of only 0.02°C can cause a measurement error of 0.5%. Imagine what would happen when a fluctuation of 0.1°C ($\pm 0.05^{\circ}\text{C}$) is allowed. ***The TV12LT is the most stable bath in the world. Other bath brands can only claim that they are in conformance with ASTM D445.***

TV12LT strictly conforms with ASTM D445. After a temperature fluctuation (e.g. viscometers are placed in the bath), the TV12LT is the only bath on the market today which stabilizes within 11 minutes. ASTM D445 allows 30 minutes ***Most of the baths on the market today do not meet this requirement!***

DC Scientific, Inc.

dcscientific.com

sales@dcscientific.com

800-379-8493