

HEATED BATHS for HIGH TEMPERATURE STABILITY of DISTILLATE FUELS

- Designed for ASTM D6468 Test Method
- Liquid or Aluminum-Block Baths with 8 Test Positions
- Digital Indicating Temperature Control
- Test Position to Test Position Uniformity of $\pm 0.5^{\circ}\text{C}$
- Over-Temperature Safety Limit Switch
- Temperature Range of 40° to 180°C
- Temperature Stability better than $\pm 0.5^{\circ}\text{C}$

Model L6468-8 is a liquid bath with 8 test positions conforming to ASTM D6468 method. The bath is mechanically agitated and well insulated. The bath's temperature range is 40° to 180°C with temperature uniformity and stability better than $\pm 0.5^{\circ}\text{C}$.

Model B6468-8 bath is designed for use with ASTM D6468 test method. It consists of an aluminum block with 8 test positions sized to accept the specified test tubes.

Temperature control is provided by a digital display PID controller providing stability of $\pm 0.5^{\circ}\text{C}$ (or better). The block design is carefully engineered such that position to position uniformity is $\pm 0.5^{\circ}\text{C}$ (or better). In the event of primary controller failure the unit is protected against over heating by a secondary circuit. Useful temperature range is from 40°C up to 180°C .

The block is insulated so the outer cabinet remains cool. A heat resistant composite plastic top with 8 matching holes also provides thermal insulation.



▲ Model L6468-8

For Method:

ASTM D6468



▲ Model B6468-8

The use of an aluminum block dry bath at elevated temperature has the benefit of eliminating the smoke and fire hazard associated with the use of liquid bath mediums. Overall approximate dimensions are 20 x 15 x 12 inch high (51 x 38 x 30 cm).

Model 422 is a compact electronic vacuum controller suitable for sample filtration as per ASTM D6468. It is able to precisely maintain the vacuum at 27 kPa (200 mm Hg). It is adjustable from 1 to 760 mm Hg vacuum and pressure from ambient to 100 psig. The unit is free of mercury (and other hazardous liquids).

Once the Model 422 is powered and a vacuum applied, the set point is quickly achieved and controlled. Vacuum upset are minimized even with large pressure upsets. Steady state vacuum control stability is ± 0.5 mm Hg.

Model PV-577 Digital Reflection Meter as specified by ASTM D6468 method is used for measuring the degree of filter paper staining after oxidation of the distillate fuel. It comes equipped with search unit Y, green filter and polished black glass standard.