

## EFFECT of LIQUIDS or AIR on RUBBER PROPERTIES

- Conforms to ASTM D471 and D865 Methods
- Temperature Range 40° to 300°C
- Sample Temperature Stability of  $\pm 0.1^\circ\text{C}$
- Each Position's Temperature Individually Controlled
- Rapid Heat Up and Cool Down
- Replaces Aluminum Block Baths and Liquid Baths

**Model 359-28** is based on the heated tube bath concept as described on page 42. The concept is similar to a heated aluminum block bath except that individual aluminum sleeves are used. The sleeve is sized to snugly fit a test tube of the specific test method requirements.

Model 359-28 has 28 test positions for test tubes conforming to either ASTM D471 or D865 test methods. Each test position's sleeve is individually heated and individually controlled with a sample temperature stability of  $\pm 0.1^\circ\text{C}$ . Each position has its own individual digital PID controller with  $0.1^\circ\text{C}$  resolution. The set point between any neighboring tube may differ by as much as  $\pm 40^\circ\text{C}$ , thus allowing tests at varying temperatures in the same apparatus. The advantage of individual controllers is that each position's temperature may be adjusted so that the sample temperature is identical to any other.

Model 359-28 is of light weight compared to an aluminum block of comparable test sample capacity. The small mass of the tubes allows for rapid heat up or cool down as compared to other bath designs.

Aluminum block baths suffer from position to position temperature non-uniformity without the ability to make adjustments. Liquid baths at elevated temperature suffer from the safety issues such as smoke, fire, housekeeping problems from oil dripping, need for frequent oil changes, etc.

Models similar to Model 359-28 but with of varying test capacity are available to meet individual needs.

Also for Methods:

ASTM D471, D865



▲ Model 359-28



▲ Model 359-28 Software Screen