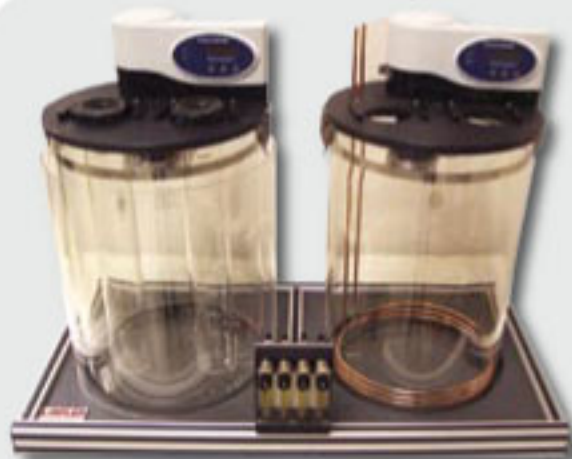


# LIQUID BATHS for FOAM TESTING

- Conforms to ASTM D892 and D6082 Test Methods
- Temperature Stability Better than  $\pm 0.5^{\circ}\text{C}$
- Semi Automated Sequencer Model Available

**Model 24** dual foam test bath is the traditional arrangement with two glass jars mounted on a supporting base. Each jar accepts two, 1 liter test cylinders for ASTM D892 testing. One bath is typically controlled at  $24^{\circ}\text{C}$  (external cooling required) and the other at  $93.5^{\circ}\text{C}$ . Digital display temperature controllers provide stability of better than  $\pm 0.5^{\circ}\text{C}$ . Four, float in glass tube flowmeters are provided with micro valves for precision adjustment of air to flow at  $94 \text{ mL/min} \pm 5 \text{ mL/min}$ . The jar for  $93.5^{\circ}\text{C}$  has a clear plastic protective sleeve to protect the operator from touching the hot surface. A coil is available as an option for the  $24^{\circ}\text{C}$  bath for recirculating chilled water to help maintain the bath temperature. An optional flow through refrigerated chiller is available to maintain the  $24^{\circ}\text{C}$  bath temperature.



▲ Model 24

**Model 28** is similar to Model 24 but upgraded for semi automated operation by the addition of Model FM-20 (see page 30). For improved consistency of results, two digital indicating mass air flow controllers are used for precisely measuring and controlling the amount and rate of air delivered to the air diffuser. The air flow is controlled at either a rate of 94 (for ASTM D892) or  $200 \pm 5 \text{ mL/min}$ . (for ASTM D6082). Sixteen inch long temperature probes are provided for each of the 4 test positions for digital display of sample temperature.

The automated, two channel sequencer automatically starts the air flow after the 5 minutes diffuser soak time, after 5 minutes stops the air flow and sounds an alarm, and again sounds an alarm after the 10 minutes settling period. A touch screen allows the operator selection and full adjustment of all test parameters. All key test parameters are displayed during the test. Also displayed is the time remaining to the next test event requiring operator attention.

**Model 12** single position test bath is same as Model 24 but only a single test jar and only two ball in tube flow meters.

## Also for Methods:

ASTM	D892, D6082
IP	146
DIN	51-566
NF	T60-129
FTM	791-3213



▲ Model 28

**Model 296** high temperature foam test liquid bath is a safer way to perform ASTM D892 as well as D6082 test methods. The glass jar holding the heated liquid bath medium is enclosed in an insulated cabinet with a multipane insulated viewing window. The jar enclosure, in part, protects the operator by limiting the hot bath fluid splash in the event of jar breakage.

The illuminated jar holds two, 1 liter test cylinders. The air flow is measured by two, ball in glass tube flow meters (one for each test position) and adjustable by micro precision valves to a flow rate from 90 to  $200 \pm 5 \text{ mL/min}$ . The bath temperature control is provided by a digital indicating PID controller with  $0.1^{\circ}\text{C}$  resolution. The temperature stability is better than  $\pm 0.5^{\circ}\text{C}$  over the operating range of  $40^{\circ}$  to  $160^{\circ}\text{C}$ .

A support rack for 4 test tubes is available as an option for convenient storage of the large cylinders.



▲ Test Tube Support Rack