DRY BATH for CORROSIVENESS and OXIDATION STABILITY of HIGHLY REFINED OILS

- **Individual Heated Tube Bath Conforming to ASTM D4636**
- **Temperature Range 50° to 400°C**
- **Temperature Stability of ±0.5°C**
- **Aluminum Block Bath Conforming to ASTM D4636**

Also for Methods:	
ASTM	D4636, D5968, D6594
FTM	791-5307, 5308
IHC	BT-10

Lawler offers a wide range of heated baths for the oxidation of oil products by ASTM D4636, D5968, and D6594 methods.

Model HT-10-6 has 6 heated tube positions conforming to ASTM D4636 and related test methods. Each heated tube is of proper dimension to snugly fit the test tube. Each test position is individually temperature controlled with an indicating digital PID controller. Temperature stability of each position is ±0.5°C. Temperature range is from +50° to +400°C. Each tube's temperature may be independently adjusted so as to assure each sample temperature in each test position is identical. Model HT-10-6 has further flexibility allowing each test position to be at widely different temperatures. Each position is protected against overheating in the event of primary controller failure. See page 42 for additional description of this design concept.

Each position has a float in tube flowmeter with a precision control valve for the delivering 10 ±1 L/hr. or 5 ±0.5 L/hr of air to the test sample.

Model 419-4 is a bench model with a solid aluminum block bath with 4 test positions conforming to ASTM D4636 test method. The single digital controller provides sample temperature control of ±0.5°C. Temperature range is from +50° to +400°C.

▲ Model 419-6

▲ Model 419-4

Each position has a float in tube flowmeter with a precision control valve for the delivering 10 ±1 L/hr. or 5 ±0.5 L/hr of air to the test sample.

Model 419-6 is similar to Model 419-4 but with 6 test positions.

Model 420-4 is a liquid bath with a capacity for 4 test tubes conforming to ASTM D6594 test method. Its operating temperature is 135°C. A digital indicating controller with a 0.1°C resolution maintains stability and uniformity of ±0.1°C. Four float in tube flowmeters with precision valve are supplied, each delivering 10 ±1 L/hr of dry air to the test sample."

Model 26 removes moisture from pressurized house air and is equipped with an electronic sensor measuring the dew point. The standard procedure of ASTM D4636 and D6594 test methods specify that dry air with a dew point of -68°C be used for testing.

Model 33 humidifies air to 10 ±1 mg/L of air and is equipped with an electronic sensor measuring water content. Alternative Procedures 1 and 2 of ASTM D4636 test method may specify that humidified air be used for testing.