LIQUID BATHS for OXIDATION STABILITY of OILS

- **Liquid Baths Conforming to ASTM D943**
- **Temperature Stability of ±0.2°C**
- **Temperature Range of 40° to 150°C**
- **Flowmeters with Precision Control Valve**

Also for Methods:	
ASTM	D943, D2274, D2893, D4310, D6594
ISO	4263
IP	388
DIN	51 587
NF	M07-047, T60-150
AOCS	CD 12-57

Lawler offers a wide range of heated liquid baths for the oxidation of oil products conforming to a wide range of oxidation test methods.

Model 501-8 is a bench top heated liquid (oil or water) bath with 8 test positions conforming to ASTM D943 D2274, D2893, D4310, D6594 and related test methods. The digital indicating PID controller provides temperature stability and uniformity of ±0.2°C. Temperature range is from 40° to 150°C. The heavily insulated stainless steel bath is agitated by an electrical motor for temperature uniformity.

An over temperature cut off circuit is provided in the event of primary controller failure.

Each test position has a float in tube flowmeter with a precision control valve for the delivering 3 ±0.1 L/hr. of oxygen to the test sample.

Specify if Model 501-8 is to be used for ASTM D2893 test. The test requires a flowmeter delivering 10 ±0.1 L/hr of air.

Overall dimensions of Model 501-8 are 22 x 18 x 23 inches high (55 x 45 x 58 cm).

Model 501-12 is identical to Model 501-8, but with 12 test positions.

▲ Model 501-8

▲ Model 501-60

Model 501-60 is a liquid bath with 60 test positions arranged in 2 opposite banks of 30 positions each. The bath is a configured as a floor model. Each position has a float-in-tube flow meter with a precision valve delivering 3 ± 0.1 L/hr. of oxygen. The flow meters are conveniently located in front of each test position. The water supply to each position has its own flow control valve and its own connection for the waste water.

The insulated bath is constructed of welded stainless steel and its water level is automatically controlled to the specified level. Temperature control is provided by a digital display controller with 0.1°C resolution. Bath stability is ±0.2°C. Over temperature protection is provided to prevent over heating.

Model 501-30 is similar to Model 501-60, but with 30 test positions arranged in 2 banks of 15 positions each.