

## DRY BATHS for OXIDATION STABILITY of OILS

- Individual Heated Tube Bath Conforming to ASTM D943
- Temperature Range 50° to 300°C
- Temperature Stability of  $\pm 0.1^\circ\text{C}$
- Aluminum Block Bath Conforming to ASTM D943

Lawler offers a wide range of heated baths for the oxidation of oil products by ASTM D943, D2274, D2893\*, D4310, and D4636 test methods. In addition to the conventional heated liquid baths Lawler offers solid aluminum block baths and the heated tube baths.

**Model HT-342-28** has 28 heated tube positions conforming to ASTM D943 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  $\pm 0.1^\circ\text{C}$ . Temperature range is from  $+50^\circ$  to  $+300^\circ\text{C}$ . Each tube's temperature may be independently adjusted so as to assure each sample temperature in each test position is identical. Model HT-342-28 has further flexibility allowing each test position to be at widely different temperatures. Each position has a over temperature cut off circuit 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  $3 \pm 0.1$  L/hr. of oxygen to the test sample. An adjustable pressure oxygen regulator is provided.

**Model HT-342-12** is identical to Model HT-342-28, but has 12 heated tube test positions.

**Model HT-342-2** is identical to Model HT-342-12, but has only 2 heated tube test positions. It is an economical bath for those laboratories with limited sample loads.

**Model 30** is a floor model with a solid aluminum block bath with 12 test positions conforming to ASTM D943 test method. The single digital controller provides sample temperature control of  $\pm 0.2^\circ\text{C}$ . Temperature range is from  $40^\circ$  to  $240^\circ\text{C}$ .

Each position has a float in tube flowmeter with a precision control valve for the delivering  $3 \pm 0.1$  L/hr. of oxygen at to the test sample. An adjustable pressure oxygen regulator is provided.

Specify if any model is to be used for ASTM D2893 test. The test requires a flowmeter delivering  $10 \pm 0.1$  L/hr of air.

### Also for Methods:

ASTM	D943, D2274, D2893, D4310, D4636
ISO	4263
IP	388
DIN	51 587
NF	M07-047, T60-150
AOCS	CD 12-57



▲ Model HT-342-12