

FOAMING CHARACTERISTICS OF LUBRICATING OILS LOW and HIGH TEMPERATURE

As per ASTM D892, IP 146, ISO 6247, ASTM D6082

Dual twin tester, small foot print for easy installation in a standard fume hood.



The instrument performs two tests at 24°C and two tests at 93.5°C.

The equipment comes complete with 2 heat resistant glass jars.

Each jar has its own control module including an electronic temperature controller with digital display and control knob, two factory calibrated flow meters, two 1000ml test cylinders, two certified diffuser stones, immersion heater with overtemperature protection, efficient stirring system with adjustable speed, air delivery tubing and thermometer.

Cold bath with built-in coils for air and cooling water or refrigerant circulations.

An optional additional bath with 2 sample jars can be used to perform test in accordance with ASTM D6082 at 150 °C.

Also all above baths can be connected to an automatic sequencer reducing drastically the operating time .

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HEAT TREATMENTS OF ASPHALTIC MATERIALS

MODELS : P875 & P876

As per ASTM D6, D1754, IP 45

- The oven is constructed according to ASTM E-145 type 1, grade B specifications including stainless steel double walls, glass fiber insulated, with viewing window consisting of two sheets of heat resistant glass separated by an air layer.
- Vents at top and openings at the bottom provide the required ventilation.
- It is equipped with a revolving aluminum shelf, 250 mm diameter, driven by powerful motor at an adjustable speed of 5 to 6 rpm.
- Upper panel shows electronic temperature controller with digital display and setting.
- The whole is protected with separate over-temperature cutoff connected to the circuit breaker. The apparatus comes complete with a set of aluminum sample containers and ASTM 13C thermometer.



A unique feature of the oven is:

The type J thermocouple that is the sensor for the electronic controller is fixed on the rotating shelf and moves with it. This is the same as the ASTM 13c control thermometer also attached to the shelf and described in the standard method. The benefit is a precise control of the temperature of the sample containers positioned on the shelf and a greater reproducibility between tests

TWO MODELS ARE AVAILABLE:

- P875 Revolving shelf oven ASTM D6 alone.
- P876 Revolving shelf oven ASTM D1754 alone.

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EXISTENT GUM IN FUELS BY JET EVAPORATION MODEL REF P303

As per ASTM D381, IP 131, ISO 6246

Compact five unit evaporation solid aluminum block Bath and steam superheater built into the base



Exclusive triple digital controllers

- For air temperature ($155 \pm 0,5^{\circ}\text{C}$)
- For steam temperature ($232 \pm 2^{\circ}\text{C}$)
- For both air and steam flows ($1000 \text{ ml/sec} \pm 15 \%$).

The two temperature controllers are connected to the Pt 100 sensor.

Alternative

- MODEL P302 As above apparatus but for air jet test only, without superheater

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