



Evaporation Bath



ASTM D381
DIN 51784
IP 131
IP 540
ISO 6246

Gum Content in Fuels by Jet Evaporation.

This test method covers the determination of the existent gum content of aviation fuels, and the gum content of motor gasolines or other volatile distillates in their finished form (including those containing alcohol and ether type oxygenates and deposit control additives) at the time of test.

LT/EB-241000/M

Evaporation Bath - Air and Steam Jet, manual instrument composed by:

- Bench top instrument with metallic case structure painted with anti-acid products.
- Control panel with: main switch, digital thermoregulatory for bath block temperature reading by means PT100 A class with 0,1°C resolution and precision, heater and super-heater switches, and air/steam mode selector.
- 2 dedicated inlet lines, 1 for air and 1 for steam both equipped with a manual valve.
- Aluminum block with 8 test positions with high speed heating elements and built-in super-heater for steam .
- 8 jets (one for each test place) fitted with its conical adapters with 500-600 micron screens.
- Fast heating: 240 °C are reached in approximately 8 minutes.
- Total air flow displayed by a large visibility flow meter with metal housing with range from 2 to 20 mm³/h.
- Safety thermostat for bath temperature and Klixon thermostat.

Power Supply

- 220 or 115 Vac 50/60 Hz

LT/EB-241400/M

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- 2 dedicated inlet lines, 1 for air and 1 for steam both equipped with a manual valve.
- Aluminium block with 4 test positions with high speed heating.
- 4 jets (one for each test place) fitted with its conical adapters with 500~600 micron screens.
- Fast heating: 240 °C are reached in approximately 8 minutes.
- Total air flow displayed by a large visibility flow meter with metal housing with range from 2 to 20 mm³/h.
- Safety thermostat for bath temperature and Klixon thermostat.

Power Supply

- 220 or 115 Vac 50/60 Hz

Accessories

- LT/FA-246000/TSA210: flow apparatus
 - full die-cast aluminium construction
 - no contact between rotating and static components
 - motor power: 0.70 kW
 - power supply: 230 V / 115 V 50/60 Hz
 - designed flow rate: 88 m³/h - 0 mbar
 - noise level: 55 dB(A)
 - weight: 15 Kg

- LAB-246-001: air filter for flow apparatus
 - kit composed by filter support with screwing cover made in painted steel, filter element with particle retain and adapter for connection to flow apparatus
- LAB-2410-CAL: mass flow meter
 - flow mass range from 1.2 to 60 nl/min
 - digital display readout, connection joints ¼"
 - power supply – battery or micro-Usb power supply
 - operating pressure 0.2 – 11 bar
 - made in anodized aluminium
 - repeatability ± 0.5% of full scale
- LAB-102-423: steam generator
 - steam supply: 5.2 kg/h
 - power: 4 kW
 - power supply: 230 V - 1 ph - 60 HZ
 - pressure: 4.5 bar
 - rear water tank of 20 litres
- LT/B-2470/BCA200: analytical balance
 - capacity: 210 g
 - readability: 0.1 mg
 - linearity: ±0.2 mg
 - repeatability: ±0.05 mg
 - response time: 6/10 sec.
 - pan diameter: 80 mm
 - calibration: internal
- LT/DO-248000/N/20: natural ventilation oven
- LAB-102-421: Pyrex® beaker
- T-AS3C: thermometer ASTM 3C IP 73C

Spare Parts

- LAB-102-421: Pyrex® beaker
- LAB-140-001/A: PT100 probe
- LAB-160-014: digital thermoregulator
- LAB-150-015/40: static relay
- LAB-246-002: filter element