



## Evaporation Bath



LT/EB-241000/M



LT/EB-241400/M

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, 8 places

- Bench top instrument with metallic case structure painted with anti-acid products.
- 2 x dedicated inlet lines, 1 for air and 1 for steam both equipped with a dedicated manual valve and a manometer for the steam pressure monitoring.
- Built-in super-heater of 400 W for steam.
- Aluminium block with 8 test positions with high speed heating elements (4 heaters), for a total power of 2300 W.
- 8 jets (one for each test place) fitted with its conical adapters with 500 to 600 micron screens for delivery of air / steam.
- Block Temperature display with 0.1°C resolution through PT100 sensor for bath temperature control, equipped with over-heating protection.
- Super heater Temperature display with 0.1°C resolution through PT100 sensor for temperature control, equipped with over-heating protection.
- Fast heating: 250°C are reached in approximately 8 minutes.
- Large visible flow meter with metal protection sheet for the correct reading of the air-flow from 2 to 20 m<sup>3</sup>/h.
- Front panel with heating and super heating switch, air/steam selector.
- Power supply: 220 or 115 Vac 50/60 Hz.

### LT/EB-241400/M

#### Evaporation Bath - Air and Steam Jet, 4 places

- Bench top instrument with metallic case structure painted with anti-acid products.
- 2 x dedicated inlet lines, 1 for air and 1 for steam both equipped with a dedicated manual valve and a manometer for the steam pressure monitoring.
- Aluminium block with 4 test positions with high speed heating elements (4 heaters), for a total power of 2400 W.
- 4 jets (one for each test place) fitted with its conical adapters with 500 to 600 micron screens for delivery of air / steam.
- Block Temperature display with 0.1°C resolution through PT100 sensor for bath temperature control, equipped with over-heating protection.
- Fast heating: 250°C are reached in approximately 8 minutes.
- Large visible flow meter with metal protection sheet for the correct reading of the air-flow from 2 to 20 m<sup>3</sup>/h.
- Front panel with heating and main switch, safety thermostat.
- Power supply: 220 or 115 Vac 50/60 Hz.



## Evaporation Bath



LT/EB-241500/M



LT/FA-247000/M



5210

### LT/EB-241500/M

#### Evaporation Bath - Air and Steam Jet, 5 places

- Bench top instrument with metallic case structure painted with anti-acid products.
- 2 x dedicated inlet lines, 1 for air and 1 for steam both equipped with a dedicated manual valve and a manometer for the steam pressure monitoring.
- Aluminium block with 5 test positions with high speed heating elements (4 heaters), for a total power of 2400 W.
- 5 jets (one for each test place) fitted with its conical adapters with 500 to 600 micron screens for delivery of air / steam.
- Block Temperature display with 0.1°C resolution trough PT100 sensor for bath temperature control, equipped with over-heating protection.
- Fast heating: 250°C are reached in approximately 8 minutes.
- Large visible flow meter with metal protection sheet for the correct reading of the air-flow from 2 to 20 m<sup>3</sup>/h.
- Front panel with heating and main switch, safety thermostat.
- Power supply: 220 or 115 Vac 50/60 Hz.

#### Factory options

##### for LT/EB-241400/M and LT/EB-241500/M

- D381-SH: Super-heater option

#### Air Accessories

- LT/FA-247000/M: flow apparatus (for LT/EB-241400/M and LT/EB-241500/M)
  - Full die-cast aluminium construction
  - No contact between rotating and static components
  - Motor power 2.20 kW
  - Power supply 230 V 50/60 Hz or 115 Vac
  - Designed flow rate 150 m<sup>3</sup>/h - 0 mbar
  - Noise level 66 dB(A)
  - Weight 27 Kg
- 5210: 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.
- 7084: filter element (spare).
- 3189: 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, Fkm seals.
  - Repeatability ± 0.5% of full scale.

#### Steam Accessories

- LAB-102-423/SG: steam generator
  - Steam supply: 19.5 Kg. / h
  - Heating Power installed: 15-18 Kw
  - Steam temperature @ 3.5 bar: 152°C
  - Power supply: 400V – 3ph - 50Hz
  - Working Pressure: 5 bar / Max. working pressure: 5,5 bar
  - Water: must be connected to a water line (boiler capacity 10 liters)
- LAB-102-423: steam generator
  - Steam supply: 5.2 Kg. / h
  - Power: 4KW
  - Power supply: 230V – 1ph - 50Hz
  - Pressure: 4.5 bar
  - Water: rear water tank of 20 liters

#### General Accessories

- LAB-102-421: Pyrex® beaker
- T-AS3C: thermometer ASTM 3C IP 73C
- 5550: tongs made in stainless steel with corks protection, total length 250 mm

#### Spare Parts

Only for LT/EB-241000/M

- 3574: digital thermoregulator
- 3114: heating cartridge 100 mm, pack of 2 pcs.
- 7082: air jet complete, pack of 4 pcs.
- 5476: spare metallic mesh, pack of 10 pcs.