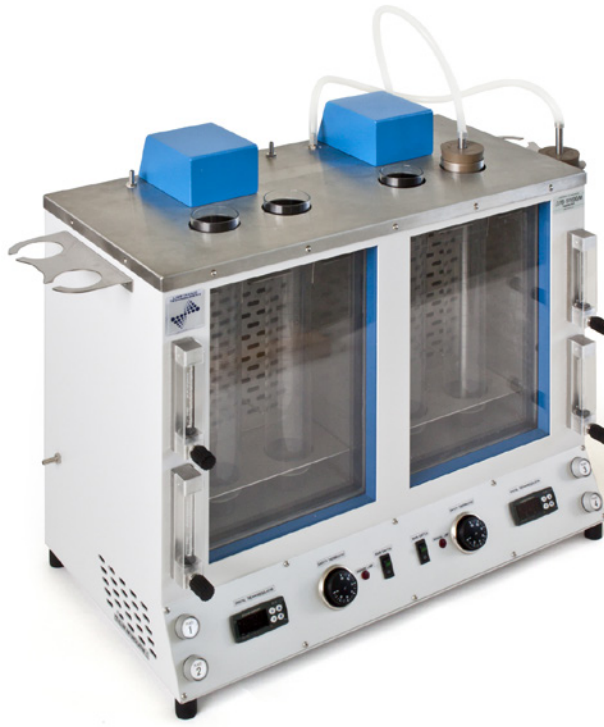




Foaming Characteristics of Lubricating Oils



LT/FB-191000/M



LT/FB-190000/M

ASTM D892
DIN 51566
IP 146

Foaming Characteristics of Lubricating Oils.

This test method covers the determination of the foaming characteristics of lubricating oils at 24°C and 93.5°C.

Means of empirically rating the foaming tendency and the stability of the foam are described.

LT/FB-191000/M

Foaming Bath (4 places) - ASTM D892

- Compact structure painted with anti-acid epoxy products with 2 double standby support for rubbers and air diffuser glass tubes.
- 2 independent bath insulated and equipped with 2 wide double windows equipped with illuminating LED barriers.
- 2 drain tap.
- Air coil placed into the bath at 24°C with the output placed on the left side for the air volume control.
- Cover with 4 holes for the accommodation of up to 4 foaming test cylinders.
- Cooling coil.
- On the front the 4 flowmeter with regulating knob grant the easy adjustment of the air flow as foreseen by the method.
- On the base 2 digital thermoregulator with PID (one for 24°C and one for more than 93.5°C) with over-temperature alarm and probe PT100A.
- Heating supplied by stainless steel heater.
- Main switch, 2 safety thermostat for overheating, 4 button to activate the 4 built in low voltage micro pump.
- Motor stirrer.
- Four graduated cylinders.
- 4 diffuser stones (not certified).
- 4 rubber stoppers, 4 air diffuser tubes.
- Cord cable.
- User manual.

Dimensions (cm)

- Width 71
- Depth 40
- Height 67

Power Supply

- 220Vac
- 50/60Hz

LT/FB-190000/M

Manual 2 Places - Twin Foaming Bath - ASTM D 892

- Tank fitted with cover with two holes diam. 125 mm which allows two cylinders to get through
- Cooling coil
- Heating supplied by an armoured stainless steel heater
- Plate base painted with anti-acid epoxy products which houses a digital thermoregulator PID with over-temperature alarm and probe PT100A
- Two independent blowing pumps connected to two flowmeters
- Motor stirrer
- Two flowmeters
- Two graduated cylinders
- Two diffuser stones
- Two rubber plugs
- Diffuser tubes

Accessories

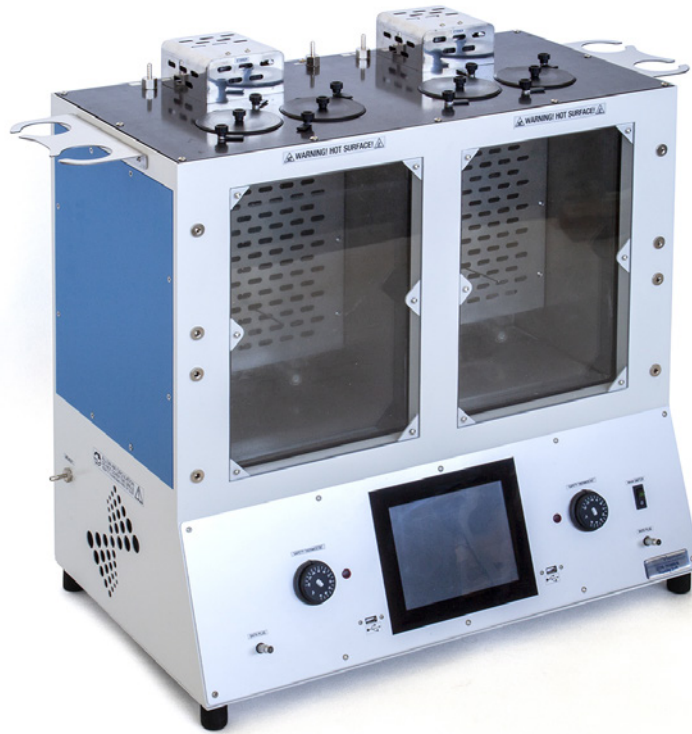
- LAB-101-883/C: certified diffuser stone
- LAB-101-886: flow indicator calibrating device, digital display readout, AA battery supply power / 230Vac power connection, flow mass up to 500 L/m
- LAB-101-887: Mott metal cylindrical diffuser (tested and verified) – ASTM D6082
- LAB-100-332: digital stopwatch
- T-AS12C: thermometer ASTM 12C

Spare Parts

- LAB-101-880: graduated cylinder 1000 ml
- LAB-101-882: rubber stoppers, pack of 2 pcs.
- LAB-101-883: diffuser stone (not certified)
- LAB-101-883/C: certified diffuser stone
- LAB-110-012: heaters, pack of 2 pcs.
- LAB-140-002: PT100 probe
- LAB-160-014: digital thermoregulator
- LAB-150-015: static relay



Foaming Characteristics of Lubricating Oils



LT/FB-192000/M Semi-automatic Apparatus for Foaming Characteristics of Lubricating Oils – 4 places

- Bench top instrument with metallic case structure painted with anti-acid products and double chamber insulation, top cover made in stainless steel with four holes for the cylinders accommodation and one hole for control thermometer (not included).
- 2 x independent 25 liters capacity stainless steel baths (one for 24°C and one for more than 93.5°C) equipped with viewing and illuminated windows, two independent motor stirrer grants uniformity and stability of bath temperature.
- Stainless steel grid divide the glassware from the heating and stirring device.
- Air pre-heating system by copper coils immersed in the first bath.
- Lateral stand-by support for stoppers and diffusing assembly.
- Anti-floating and centring system for test cylinders.
- Control unit include 7" Touch screen panel PC with 800 x 480 resolution with dedicated Lin-Tech software able to manage the bath functions:
 - Independent management of 4 places analysis trough the activation of air micro-compressors and counter (time of blowing, waiting time, flow) – audible alarm for each intervention of the operator requested.
 - Air flow monitoring system (flow rate) managed digitally and calibrated.
 - Diagnostic panel for temperature calibration, air flow, analysis parameters.
- Removable back panel equipped with drain tap for easily empty and clean the baths.
- Baths are thermo-insulated equipped with tempered glass window inside for easily cleaning the limestone or oils residue, second protection panel made of plastic material with optical transparency.
- 4 Places Apparatus including: 4 diffuser stones (not certified), 4 rubber stoppers, 4 air diffuser tubes, 4 graduated cylinders.

Dimensions (cm)

- Width 71
- Depth 40
- Height 67

Power Supply

- 115 Vac
- 220 Vac
- 50/60 Hz

Accessories

- LAB-101-883/C: certified diffuser stone
- LAB-101-886: flow indicator calibrating device, digital display readout, AA battery supply power / 230 Vac power connection, flow mass up to 500 L/m
- LAB-101-887: Mott metal cylindrical diffuser (tested and verified) – ASTM D6082
- LAB-100-332: digital stopwatch
- T-AS12C: thermometer ASTM 12C

Spare Parts

- LAB-101-880: graduated cylinder 1000 ml
- LAB-101-882: rubber stoppers, pack of 2 pcs.
- LAB-101-883: diffuser stone (not certified)
- LAB-101-883/C: certified diffuser stone
- LAB-110-012: heaters, pack of 2 pcs.
- LAB-140-002: PT100 probe
- LAB-160-014: digital thermoregulator
- LAB-150-015: static relay