Heated Magnetic Stirrer

LT-G0246 / LT-G0247 | Analog and digital control options

Ceramic plate • Independent speed and temperature • 15-20 L capacity



380 °C

MAXIMUM HEATING TEMPERATURE

100-2000

STIRRING SPEED (rpm)

Solution preparation • Specimen conditioning • Combined heating and mixing

Photograph and Machine Components

Digital model example • Ceramic plate, stirring bar and controls

The ceramic plate heats the vessel while a magnetic bar rotates inside it. Speed and temperature are adjusted separately. Suitable vessel and bar selection support consistent mixing.

CERAMIC PLATE

The 19 × 19 cm surface supports the vessel and transfers heat.

MAGNETIC BAR

The bar rotates under the magnetic field and mixes the liquid.



DIGITAL CONTROLS

The digital model assists monitoring of operating settings.

ALUMINIUM BODY

Compact body supporting the heating plate and stirring system.



Magnetic bar and mixing motion inside the vessel



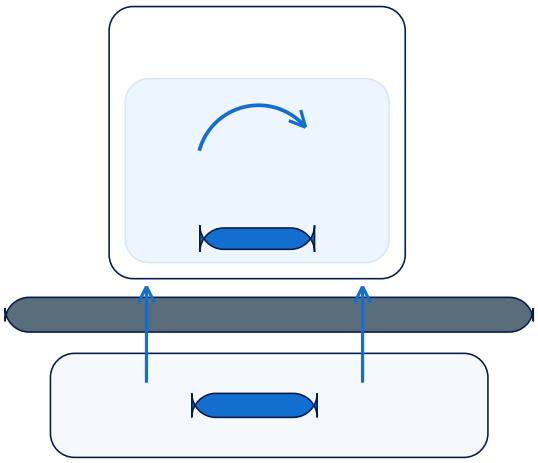
Digital display and operating controls

LT-G0246 / LT-G0247

Combined Heating and Magnetic Stirring

Select vessel • Centre it • Set speed and temperature • Monitor

VESSEL + MAGNETIC BAR + HEATING PLATE



HEAT TRANSFER FROM PLATE TO VESSEL

MAGNETIC FIELD ROTATES THE BAR

SPEED AND TEMPERATURE ADJUST SEPARATELY

VESSEL AND BAR: MATCH THE SPECIMEN

Stable rotation and controlled heating

REPRESENTATIVE SECTION • NOT TO SCALE

Select Vessel and Bar

Match vessel and magnetic bar to specimen volume and viscosity.

Centre and Set

Place the vessel centrally. Set speed and temperature separately.

Monitor Mixing

Check stable bar rotation and specimen condition. Allow cooling after use.

A rotating magnetic field moves the stirring bar inside the vessel. The ceramic plate transfers heat to the vessel at the same time. Bar selection, vessel geometry and liquid viscosity affect mixing. Evaluate the plate setting together with specimen temperature.

Model and Capacity Selection

LT-G0246 uses analog control; LT-G0247 uses digital control. Both models list a 15-20 L stirring capacity.

Actual working volume depends on viscosity, vessel geometry and stirring-bar size. Select speed for the specimen and monitor stable magnetic coupling.

Heating and Cleaning

Maximum temperature is 380 °C and speed range is 100-2000 rpm. Position the vessel securely on the ceramic surface.

Switch off heating and stirring after the process. Clean residues once vessel and plate have cooled. Check vessel base, stirring bar and surface condition.

LT-G0246 / LT-G0247

Model Comparison and Technical Data

Analog and digital models • Common capacity, speed and heating specifications

Model	Control
LT-G0246	Analog
LT-G0247	Digital

Common Specification	Value / Description
Stirring Capacity	15-20 L • Depends on specimen conditions
Maximum Temperature	380 °C
Speed Range	100-2000 rpm
Control	Independent speed and temperature
Plate Material	Ceramic
Body Material	Aluminium
Plate Dimensions	19 × 19 cm
Overall Dimensions	30 × 21 × 13 cm
Approximate Weight	5.5 kg
Power Supply / Rating	230 V, 50-60 Hz, 1 phase • 600 W

Select Vessel, Bar and Settings Together

Match vessel and bar to specimen volume and viscosity. Centre the vessel and set speed and temperature for the task. Monitor mixing and temperature conditions consistently.

From Specimen to Controlled Mixing

01
Prepare
Select a suitable vessel and stirring bar.

02
Position
Centre the vessel on the plate.

03
Set
Adjust speed and temperature separately.

04
Finish
Monitor, switch off, cool and clean.

Product Page | liyatest.com.tr/en/urun/heated-magnetic-stirrer/