Laboratory Ovens

Fan-assisted sample drying and conditioning systems

Stainless steel chamber • Insulated cabinet • Digital PID control



30–4600 L

CAPACITY OPTIONS

PID

TEMPERATURE CONTROL

LT-G0200–LT-G0206 • LT-G4600

Cabinet and Visible Components

Stainless steel chamber, adjustable shelves and insulated door

Laboratory ovens dry aggregate, soil, rock, cement and asphalt samples under controlled temperature conditions. The stainless steel chamber and forced air circulation support consistent drying and conditioning.

CONTROL PANEL

The digital temperature display and independent safety thermostat are on the front panel.

STAINLESS CHAMBER

The internal surface simplifies cleaning and maintenance after sample processing.



ADJUSTABLE SHELVES

The shelf arrangement accommodates different sample layouts.

INSULATED DOOR

The double-wall cabinet and door construction reduce heat loss.



Closed door and control panel view



Shelves and circulation fans

PID Control and Air Circulation

Digital temperature control and independent over-temperature protection



Control panel • Close-up

Digital PID

Monitor set and actual temperatures. The controller regulates heater output.

Over-Temperature Protection

An independent thermostat cuts heating in an overheating condition.

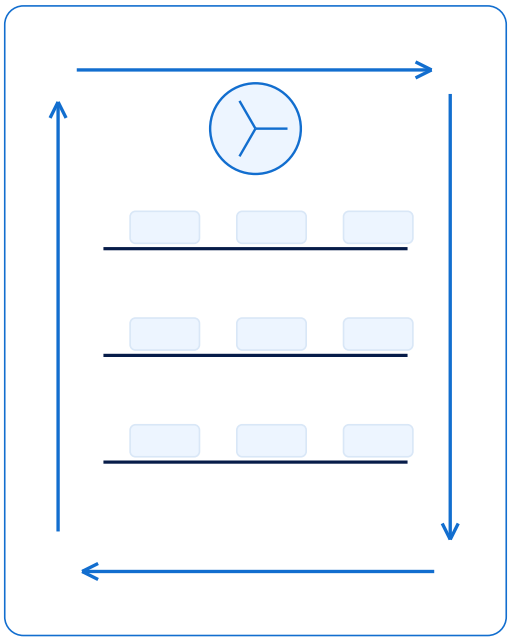
Thermal Insulation

Insulation between the double walls reduces heat transfer to the surroundings.

Durable Exterior

The powder-coated sheet steel exterior supports intensive laboratory use.

Fan-Assisted Drying



Forced Convection

The circulation fan continuously moves heated air between the shelves.

Moisture Release

Ventilation openings help remove humid air from the chamber.

Sample Layout

Spacing between samples helps maintain air circulation.

Model Options | 30–250 L

LT-G0200, LT-G0201, LT-G0202 and LT-G0203 • Single-phase supply

Technical Specification	LT-G0200	LT-G0201	LT-G0202	LT-G0203
Capacity (L)	30	50	120	250
Max. Temperature (°C)	200	200	200	200
Internal Dimensions (cm)	32 × 32 × 32	38 × 38 × 38	57 × 44 × 49	57 × 56 × 80
External Dimensions (cm)	47 × 47 × 60	55 × 61 × 71	80 × 72 × 67	80 × 85 × 104
Weight (kg)	17	20	70	100
Number of Shelves	2	2	2	3
Supply Voltage (V)	220	220	220	220
Frequency (Hz)	50–60	50–60	50–60	50–60
Number of Phases	1	1	1	1

Sample Drying Workflow

Select the test temperature and drying time according to the applicable test method.

01

Position Samples

Place samples on the shelves with space for air circulation.

02

Set Temperature

Set the temperature required by the test method on the PID panel.

03

Monitor Drying

Monitor actual chamber temperature and the drying process.

04

Complete Process

Prepare the sample for the next weighing or testing stage required by the method.

Model Options | 500–4600 L

LT-G0204, LT-G0205, LT-G0206 and LT-G4600

Technical Specification	LT-G0204	LT-G0205	LT-G0206
Capacity (L)	500	700	1000
Max. Temperature (°C)	200	200	200
Internal Dimensions (cm)	57 × 80 × 110	57 × 89 × 148	82 × 89 × 148
External Dimensions (cm)	80 × 107 × 133	80 × 127 × 182	105 × 127 × 182
Weight (kg)	140	170	225
Number of Shelves	4	4	5
Supply Voltage (V)	380	380	380
Frequency (Hz)	50–60	50–60	50–60
Number of Phases	3	3	3

LT-G4600

4600 L capacity option

4600 L

Standard References

EN 932-5 | EN 1097-5 | ASTM C127 | ASTM C136 | ASTM D558

ASTM D559 | ASTM D560 | ASTM D698 | ASTM D1557 | ASTM D1559

Product Page | liyatest.com.tr/en/urun/laboratory-oven/