Curing Cabinet

LT-CE0080 - LT-CE0084 | Temperature and humidity controlled curing

120–1000 litres • Stainless steel interior • Digital control



20 ± 1 °C

CURING TEMPERATURE

>95% RH

RELATIVE HUMIDITY

EN 196-1 • ISO 679 • Single-program and 10-program model options

Photographs and Cabinet Components

Digital control, stainless steel racks and door closure

The curing cabinet stores cement and mortar specimens under controlled temperature and high humidity before strength testing. Heating and refrigeration regulate temperature, while independent water nebulizers limit moisture loss from specimens.

DIGITAL CONTROL

Panel for monitoring temperature and humidity. Program options depend on the selected model.

STAINLESS INTERIOR

Internal chamber and rack system suited to high-humidity operation. Arrange specimens systematically.



DOOR CLOSURE

Door handle and closing arrangement. Check that the door is closed after specimen placement.

LOWER HOUSING

Equipment section below the chamber. Keep front air openings clear during installation.



Digital control panel and display region

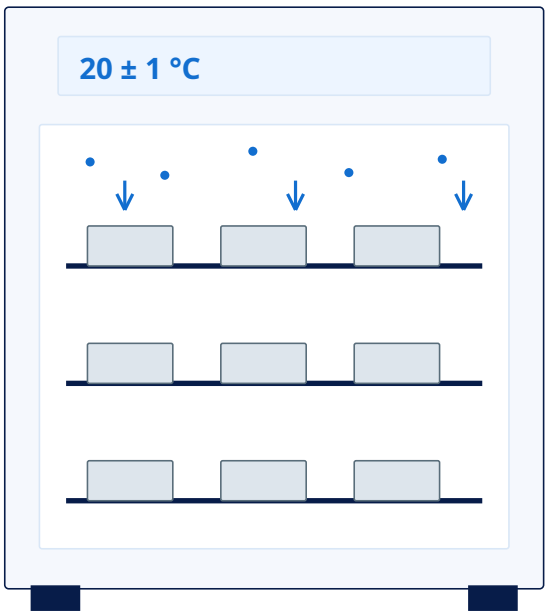


Stainless steel chamber and specimen racks

Temperature and Humidity Control

Select conditions • Place specimens • Monitor temperature and humidity • Record curing

HIGH-HUMIDITY CURING • SCHEMATIC SECTION



CURING OF CEMENT AND MORTAR SPECIMENS

20 ± 1 °C | RELATIVE HUMIDITY >95%

OPERATING PRINCIPLE • SCHEMATIC VIEW • NOT TO SCALE

Regulate Temperature

Heating and refrigeration units regulate chamber temperature. Monitor the operating condition on the panel.

Maintain Humidity

Water nebulizers produce fine water droplets. High humidity limits rapid moisture loss from specimens.

Follow the Curing Period

Arrange specimens on suitable racks. Record curing start, chamber conditions and removal time.

The cabinet stores specimens in a controlled, high-humidity environment. Follow the curing duration and preparation steps of the test method. Monitor specimen groups under the same conditions and remove them at the planned testing time.

Program and Capacity Selection

The 120, 250, 500 and 750 litre models offer single-program or step-controlled 10-program options. Single-program versions carry the /G product code suffix.

LT-CE0084 is the 1000 litre, 10-program model. Select capacity for mould dimensions and daily specimen demand. Match the control option to the laboratory curing routine.

Specimen Placement and Records

Keep racks clean and place specimens in identified groups. Determine storage in moulds or after demoulding according to the test method.

Record specimen identification, entry time and planned test age. Keep door openings brief and check temperature and humidity after placement. Inspect the water system according to the manufacturer maintenance instructions.

Model Options and Technical Specifications

120, 250, 500, 750 and 1000 litres • EN 196-1 • ISO 679

Product Code	Volume	Control System
LT-CE0080	120 L	Step controlled; 10 programs
LT-CE0080/G	120 L	Single program
LT-CE0081	250 L	Step controlled; 10 programs
LT-CE0081/G	250 L	Single program
LT-CE0082	500 L	Step controlled; 10 programs
LT-CE0082/G	500 L	Single program
LT-CE0083	750 L	Step controlled; 10 programs
LT-CE0083/G	750 L	Single program
LT-CE0084	1000 L	Step controlled; 10 programs

Common Specification	Technical Information
Temperature	20 ± 1 °C; heating and refrigeration control
Relative Humidity	Above 95%; independent water nebulizers
Chamber and Racks	Stainless steel
Power Supply	220 V, 50–60 Hz, 1 Ph
Standards	EN 196-1, ISO 679

Capacity, Program and Operating Conditions

Select a model for specimen demand. Match the program and curing time to the method; monitor temperature and humidity during operation.

From Specimen Placement to Curing Records

01
Select
Determine volume and control option.

02
Place
Arrange specimens in identified rack positions.

03
Monitor
Follow temperature, humidity and curing time.

04
Remove
Remove and record specimens at test time.

Product Page | liyatest.com.tr/en/urun/curing-cabinet/