Le Chatelier Water Bath

LT-CE0060 | Controlled boiling with a dual-heater system

Removable rack • Programmable timer • Insulated body



12 moulds

RACK CAPACITY

~30 minutes

TIME TO REACH BOILING

EN 196-3 • EN 450-1 • EN 459-2 • ISO 9597

LT-CE0060

Photograph and Bath Components

Top cover, timer, carrying handle and water drain valve

The Le Chatelier water bath provides controlled boiling conditions for soundness test moulds. Two heaters provide initial heating; one switches off after the set period and the other maintains boiling.

TOP COVER

The bath is supplied with a cover. Complete the test arrangement after positioning the specimen rack.

TIMER

Set the time for the initial heating stage. Check operating settings before starting.



CARRYING HANDLE

The side handle assists apparatus positioning. Install the bath on a suitable, stable surface.

DRAIN VALVE

The lower side valve is used to drain the water. Empty the bath under suitable conditions after use.



Front timer and control region



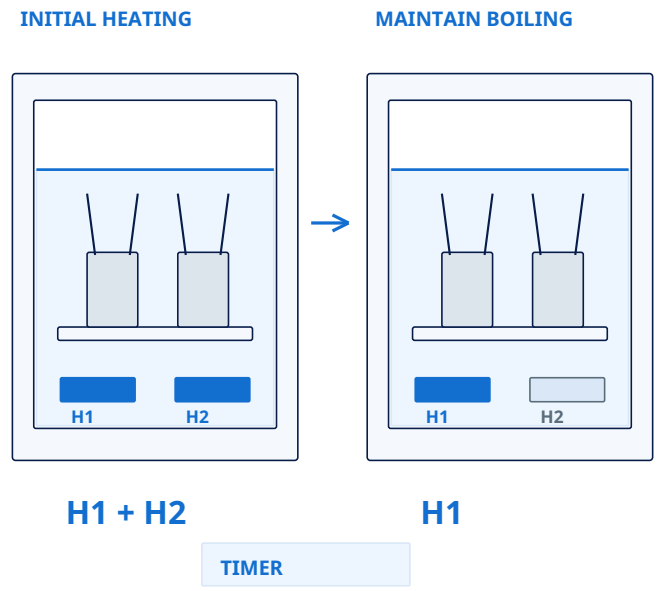
Water drain valve on the lower side

LT-CE0060

Controlled Boiling with Two Heaters

Load the moulds • Heat with both heaters • Maintain boiling with one heater

INITIAL HEATING • BOILING STAGE



H1 + H2: INITIAL HEATING • H1: MAINTAIN BOILING

TIMER • AUTOMATIC SWITCH-OFF OF ONE HEATER

SECTION NOT TO SCALE • ILLUSTRATIVE MOULD AND HEATER POSITIONS

Prepare Rack and Timer

Place prepared moulds on the removable rack. Check the water level and timer setting.

Apply Initial Heating

Both heaters operate together. Water reaches boiling point in approximately 30 minutes.

Maintain Boiling

One heater switches off at the end of the set stage. The remaining heater maintains boiling.

The bath performs the thermal stage of the test. For soundness assessment, measure the distance between Le Chatelier mould indicator tips at the stages defined by the method. Apply the boiling duration required by the test standard.

Rack, Cover and Moulds

The removable rack holds up to 12 Le Chatelier moulds. The bath is supplied with a cover and rack; moulds are ordered separately.

Position the moulds evenly. Check water level, cover placement and timer before testing.

Soundness Test Procedure

EN 196-3 and ISO 9597 cover cement soundness methods. EN 459-2 is a method reference for building lime tests.

Follow the method for specimen preparation, initial conditioning, boiling and cooling. Report indicator distances with test identification and time records.

LT-CE0060

Technical Specifications and Equipment

LT-CE0060 • Rack capacity, dual heaters and electrical supply

Parameter	Technical Information
Product Code	LT-CE0060
Rack Capacity	12 Le Chatelier moulds
Heating System	Two separate heaters; both used for initial heating
Time to Reach Boiling	Approximately 30 minutes
Heating Control	Programmable timer; one heater switches off automatically
Inner Chamber	Stainless steel
Body Construction	Insulated outer body
Supplied Equipment	Cover and removable rack
External Dimensions	21 × 47 × 29 cm
Weight	8 kg
Power Supply	220 V, 50-60 Hz, 1 phase
Le Chatelier Moulds	Ordered separately

Water Level, Timer and Test Records

Check water level and mould positions before testing. Match heating and boiling periods to the method; retain sample records.

From Prepared Mould to Soundness Test

01
Load
Position prepared moulds evenly on the rack.

02
Set
Check water level and timer settings.

03
Boil
Apply the heating and boiling stages.

04
Evaluate
Cool and measure indicator distances by the method.

Product Page | liyatest.com.tr/en/urun/le-chatelier-water-bath/