Concrete Curing Tank

LT-C0110 / C0111 / C0112 / C0113 | Four model options

Thermostatic heating • Water circulation • Bottom grid



390 cubes

MAXIMUM CUBE CAPACITY

195 cylinders

MAXIMUM CYLINDER CAPACITY

LT-C0110 capacity: 150 mm cubes or Ø150 × 300 mm cylinders

Photographs and Components

Water chamber, control panel, supporting frame and drain valve

The curing tank stores concrete cube and cylinder specimens in controlled water before strength testing. Thermostatic heating and water circulation support balanced curing conditions. The range includes polyethylene, metal and stainless-steel bodies.

WATER CHAMBER

Specimens are cured fully submerged in the chamber. The photograph shows a polyethylene tank.

SUPPORTING FRAME

The external frame supports the tank body and the combined water and specimen load.



CONTROL PANEL

The thermostatically controlled heating system manages the water temperature.

DRAIN VALVE

The lower valve simplifies draining the water and cleaning the tank.



Control panel and front tank body

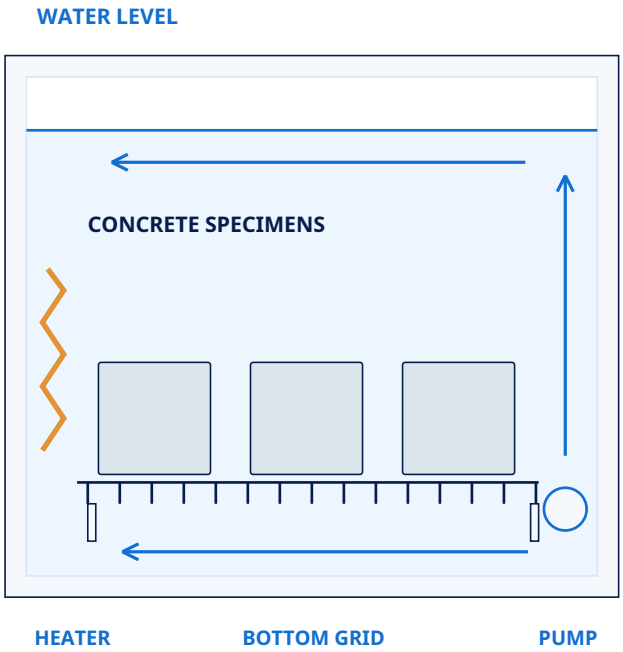


Drain valve and supporting lower frame

Operating Principle and Curing Arrangement

Prepare the water • Check temperature • Place specimens • Monitor curing

SPECIMEN CURING IN CONTROLLED WATER



TANK CROSS-SECTION • SCHEMATIC

Prepare the Tank

Fill with clean water. Start heating and circulation; check the water temperature.

Place the Specimens

Place demoulded specimens on the grid. Leave space between them for water circulation.

Monitor Conditions

Keep all specimens fully submerged. Check and record water temperature and level regularly.

The thermostatic heater manages water temperature; the submersible pump circulates water to help reduce temperature differences within the tank. The bottom grid raises the specimens and allows water to pass beneath them.

Capacity and Placement

Capacities refer to 150 mm cubes or Ø150 × 300 mm cylinder specimens.

LT-C0110: 390 cubes / 195 cylinders
LT-C0111: 220 cubes / 110 cylinders
LT-C0112: 135 cubes / 67 cylinders
LT-C0113: 135 cubes / 67 cylinders

Position specimens without obstructing water circulation.

Curing Methods and Records

EN 12390-2 covers concrete specimen preparation and curing. ASTM C31/C31M relates to field specimens; ASTM C192/C192M to laboratory specimens.

ASTM C511 defines conditions for water storage tanks and moist curing environments. Select the target temperature for the chosen method; record curing duration and specimen identity.

LT-C0110 / C0111 / C0112 / C0113

Specifications and Model Selection

Polyethylene, metal and stainless steel • Specimen capacity and operating data

Product Code	Body	Cubes / Cylinders	Dimensions (cm)	Weight (kg)
LT-C0110	Polyethylene	390 / 195	100 × 200 × 80	130
LT-C0111	Polyethylene	220 / 110	80 × 185 × 70	90
LT-C0112	Metal	135 / 67	80 × 150 × 55	95
LT-C0113	Stainless steel	135 / 67	80 × 150 × 55	115

Common Feature	Value / Description
Stated Water Temperature	Approximately 21 °C
Temperature Control	Approximately ±2 °C
Heating System	Thermostatically controlled heater
Water Circulation	Submersible circulation pump
Specimen Support	Metal bottom grid
Power Supply	220 V, 50-60 Hz, single phase

Temperature, Water Level and Curing Records

Approximately 21 °C and ±2 °C are the stated temperature control figures. Select the target for the chosen curing method. Keep all specimens fully submerged; record temperature, level and curing duration regularly.

Curing Preparation and Use Workflow

01
Fill and Start
Add clean water; start heater and pump.

02
Check Temperature
Verify water conditions for the chosen method.

03
Place and Monitor
Submerge specimens and record curing conditions.

04
Remove and Clean
Remove cured specimens and clean the tank.

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