

CURING TANKS FOR CONCRETE SPECIMENS

STANDARDS: EN 12390-2 | ASTM C31, C192 | AASHTO T23

C302 KIT

CURING TANK 650 LITRES CAPACITY

HEAVY PLASTIC

Made from extremely robust and stable polyethylene, complete with base rack.

Supplied **without** thermostat heating system, to be ordered separately (see accessories).

Inside dimensions: 1040x1040x605 mm

Weight: 60 kg approx.



C302-10 KIT

CURING TANK, 550 LITRES CAPACITY

HEAVY PLASTIC

Same to mod C302 KIT but having:

Water discharge cock incorporated into the tank

Inside dimensions: 1100x710x690 mm

Overall dimensions: 1200x80x850 mm

Weight: 55 kg approx.



C304

CURING TANK 1000 LITRES CAPACITY

Made from steel sheet, zinc coated to prevent it from corrosion.

Complete with base rack and stopper for an easy water discharge. Supplied **without** thermostat heating system, to be ordered separately (see accessories).

The tank can accommodate up to 64 cubes 150mm side, or up to 48 cubes 200mm side.

Inside dimensions: 1500x750x750 mm

Weight: 120 kg approx.



NEEDED ACCESSORY

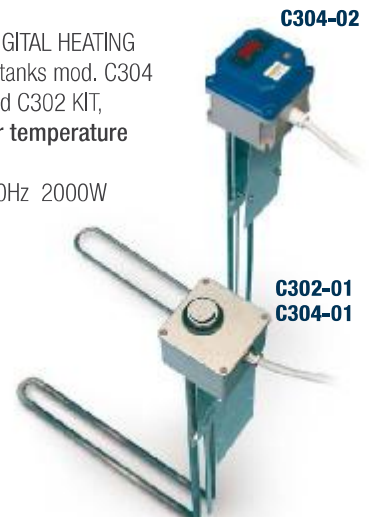
Available in two versions:

C302-01 THERMOSTAT ANALOGIC HEATING SYSTEM, for the tank mod. C302 KIT
230V 1ph 50-60Hz 2000W

C304-01 THERMOSTAT ANALOGIC HEATING SYSTEM, for the tanks mod. C302-10 KIT and C304
230V 1ph 50-60Hz 2000W

AS AN ALTERNATIVE

C304-02 THERMOSTAT DIGITAL HEATING SYSTEM for the tanks mod. C304 C302-10 KIT and C302 KIT, ensuring better temperature accuracy
230V 1ph 50-60Hz 2000W



ACCESSORIES FOR CURING TANKS

- C305-01** PLASTIC COVER for the C302 KIT tank
C302-11 PLASTIC COVER for the C302-10 KIT tank
C306-04 STEEL ZINC COATED COVER for the C304 tank
C306-01 UPPER RACK for the C304 tank to store cubes max. 150 mm
 Max. 8 racks per tank
C306-02 SUBMERSIBLE WATER CIRCULATING PUMP, also used for
 an easy water discharge from the tank 230V 1ph 50/60Hz
C306-03 SEPARATE CONTROL PANEL, complete with switch and
 electric protections, to get the tanks to CE Safety Directive



C306-05 ANALOGIC THERMOSTAT

Complete with heating element. Used to thermostate any type of tank from 300 to 1000 litres capacity.

Power supply:
230V 1ph 50-60Hz 2000W



E141

E141 WATER REFRIGERATOR

It cools the water from room temperature up to +10 °C. It is connected to the tank where a lower temperature than the room one is required. See Section "E" Cement, p. 411

C307 ACCELERATED CONCRETE CURING TANK

STANDARDS: ASTM C684 I BS 1881:112

This tank has been designed for accelerated concrete strength curing. It comprises a fully insulated double wall tank with cover, inside all from stainless steel, outside from steel painted sheet with an intermediate layer of insulating mineral wool.

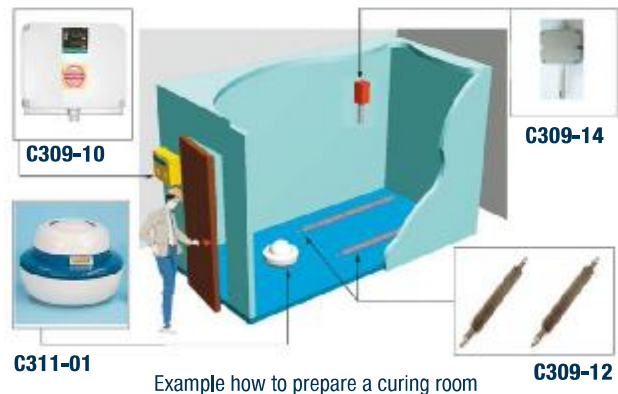
This tank can hold up to 16 cubic 150 mm side specimens; or 16 cylindrical Ø 150 mm specimens; or 8 cubic 200 mm side specimens. The test consists essentially in curing the concrete specimens with water heated by 3 electric elements of 1500W each.

Temperature range: from ambient to 100 °C.
 The separate control panel is provided with a thermoregulator, timer, pilot lights, main switch.

Inside dimensions: 910x660x680 mm
Overall dimensions: 970x720x900 mm
Power supply: 230V 1ph 50-60 Hz 4500W
Weight: 130 kg approx.

EQUIPMENT TO PREPARE A TEMPERATURE AND HUMIDITY CONTROLLED ROOM

The following equipment are suggested as alternative to the curing tanks and climatic chambers indicated in this catalogue or by necessity of a wide area for curing a big quantity of specimens. They are suitable to prepare an already existing room/box or one to be realized by the customer. The temperature of the room can be only increased compared to the external temperature but not decreased.



Example how to prepare a curing room

NEEDED DEVICES

- C309-10** CONTROL PANEL of temperature and humidity.
 It is usually placed on the outer side of the room, and allows to set, display and control the desired parameters of temperature and humidity.
Power supply: 230V 1F 50-60Hz
Dimensions: 240x130x310 mm **Weight:** 5 kg
- C309-12** HEATING RESISTANCE in tubular frame, finned type.
 Normally one heating resistance is enough for its purpose, provided that the range between the external and internal temperature set in the room (anyway well insulated) is kept within 15 °C.
Dimensions: Ø 40x1100 mm **Weight:** 2000 g approx.
- C309-14** SENSOR PROBE to measure temperature and humidity.
 Temperature measuring range from -10 to +90 °C and humidity up to 100%. It is fixed inside the room and connected to the control panel.
- C311-01** VAPORISER
 Used to humidify curing rooms up to 150 cubic/metre.
 Technical data: see p. 350



C307

MATEST