

C313

Climatic controlled cabinet 700 litres cap.

- Temperature: -25 to +70°C, stability 0,1°C
- Humidity: 10 to 90%, accuracy ± 1%
- Dew point: +2°C

STANDARDS: EN 196-1, EN 1367-1, EN 12390-2, EN 12390-9

Designed for all the research and control laboratories to perform: cold and/or hot temperature measurement at controlled humidity conditions, any kind of freezing/thawing tests, accelerated curing tests.

Used to cure concrete (EN 12390-2) and cement specimens (EN 196-1), to analyze the behaviour to freezing and thawing of aggregates (EN 1367-1) and concrete (EN 12390-9).

Internal capacity: 700 litres.

Internal and external frame made of stainless steel AISI 304.

Polyurethane insulation, 75 mm thick.

Internal ventilation.

Reversible doors with autoclosing hinges and opening lock beyond 90°, rechargeable magnetic gaskets, rounded corners, inside doors in lexan.

Shelves can be taken off and adjustable in height; adjustable feet.

Temperature sensor can be placed at every point of the climatic cabinet; it can also be placed within the specimen.

The cabinet is supplied with a "decalcification filter"; it works with demineralized or softened waters, or aqueduct waters with CaCO³ hardness from 0 to 400 ppm, assuring an excellent functioning along the time.

Complete with microprocessor one cycle programmer and 20 temperature segments.

Real-time visualization of the internal temperature and of the set temperature on the digital display.

Audiovisual alarm of minimum and maximum temperature (audio signal can be switched off).

Password to access the cabinet commands.

Security device Class 3.1 (DIN 12880) with automatic activation of two further security thermoregulators.

Supplied complete with 3 adjustable shelves.

Inside dimensions:

600x670x1350 mm

Overall dimensions:

720x800x2070 mm

Power supply:

230V 1ph 50/60 Hz 1800W

Weight approx.: 180 kg



Detail of the control panel

- Temperature control (%)
- Humidity inside the chamber (%)
- Humidity control (%)
- Internal temperature of the chamber
- Set Point temperature
- Humidity Set Point



C313

C313-01

Climatic cabinet 1500 litres cap.

Same as C313 model, but with an internal capacity of 1500 litres.

Supplied complete with 6 adjustable shelves.

Inside dimensions: 1320x670x1350 mm

Overall dimensions: 1440x800x2070 mm

Weight: about 360 kg

ACCESSORIES:

C313-11 PROGRAMMER, 10 cycles (programs) and 50 different linear temperature segments (as alternative to the programmer supplied with the cabinet).

C313-12 PROGRAMMER, 25 cycles and 100 different linear temperature segments.

C313-13 PROGRAMMER, 50 cycles and 200 different linear temperature segments.

C313-15 DATA LOGGER for temperature and humidity recording and monitoring, complete with software and connecting cable for data transfer to PC.