CLIMATIC CHAMBER

Code : G035



- The ALFA Climatic Chamber is meticulously designed to evaluate the effects of aging and weathering on various materials, including aggregates, tiles, and concrete, by precisely controlling environmental conditions such as temperature and humidity. This chamber is also adept for general applications like heating, drying, conditioning, sterilizing, curing, and moisture content determination.
- Featuring a full-width opening, the chamber ensures unobstructed access to the stainless steel interior, facilitating effortless placement and retrieval of specimens. Its reduced internal depth enhances operational convenience, allowing for efficient use within laboratory spaces.
- Equipped with a high-end touch-screen controller and thermostat, the chamber offers precise regulation of environmental parameters, adhering to relevant standards. The Proportional Integral Derivative (PID) control system maintains consistent conditions, while a circuit breaker safeguards both the equipment and operators by monitoring and protecting electrical components.
- Constructed with high-density insulation between the stainless steel interior and the powder-coated or stainless steel exterior, the chamber optimizes energy efficiency. An air circulation fan, mounted on the back wall, provides forced airflow convection, ensuring uniform heat distribution throughout the

chamber.

- The chamber is supplied with wire grid shelves that promote homogeneous airflow, maintaining consistent environmental conditions. Multiple shelf positions accommodate various specimen sizes. Additionally, ALFA offers customization options to meet specific laboratory requirements.

STANDARDS

ASTM D5116 • ASTM D4332 • ASTM C1363 • AASHTO M201 • EN 60068-2-78 • ISO 16750

TECHNICAL SPECIFICATIONS

- Control System: PID
- Interior Chamber Material: Stainless Steel
- Exterior Finish: Powder Coated or Stainless Steel
- Insulation: High-Density
- Airflow: Circulating Fan
- Climatic Chamber Temperature/Humidity Ranges:
    - Temperature Range : -10°C to +60°C
    - Humidity Range : 20% to 95%
- Freeze/Thaw Chamber Temperature Range:
    - Temperature Range : -20°C to +60°C
- Power Supply: 220–240 V / 50–60 Hz

EQUIPPED WITH

- Touch-Screen Controller & Thermostat
- Circuit Breaker
- Air Circulation Fan

SUPPLIED WITH

- Wire Grid Shelves: 2 units (Additional shelves available upon request)

ORDERING INFORMATION

Item Name	Item Code
ELECTRONIC BOARD (PCB) for G035	G035P001H
CLIMATIC CHAMBER - 120 lt	G035X120U
CLIMATIC CHAMBER - 250 lt	G035X250U
CLIMATIC CHAMBER - 400 lt	G035X400U

OTHER PHOTOS

