AGILE, ROBUST,
SMART LAB SYSTEM.

SUSTAINABILITY AND RESILIENCE.

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LABORATORY OVEN AND FURNACES

CLIMATIC CABIN

Climatic cabinets are used for simulation of standard climates and extreme environmental conditions, such as dry heat, high air humidity, up to freeze. Climatic cabinet designed for all research and control laboratories to perform: cold and/or hot temperature measurement at controlled humidity conditions, any kind of freezing/thawing tests and accelerated curing tests.

✓ 120 L , 250 L , 600 L options.
✓ Temperature operating range °C: -50~150
✓ Humidity range: 20%RH 98%RH
✓ Humidity-controlled temperature range: 10 – 70 °C
✓ Temperature setting accuracy: ± 0.1 °C
✓ Humidity adjustment accuracy: 1 % Rh
✓ Number of shelves: 2-7
✓ Repeatability: 1-999
✓ Internal surface structure: Stainless Steel
✓ External surface structure: electrostatic coated steel
✓ Touch screen
✓ Number of programs: 1-10
✓ Automatic water supply unit.

EN 196-1, EN 1367-1, EN 12390-9 STANDARDS.

✓ Doors with magnetic seal, with safety lock
✓ Forced ventilation
✓ Internal temperature and humidity sensor
✓ Heating system with low thermal inertia electric resistances, with safety thermostat
✓ Cooling system with CFC-free refrigeration unit, hermetic type with air condensation
✓ Humidification system with water steam generator
✓ Direct expansion dehumidification system with separate evaporatör
✓ Control and command unit with two separate digital regulators for temperature and humidity, equipped with RS 485 interface

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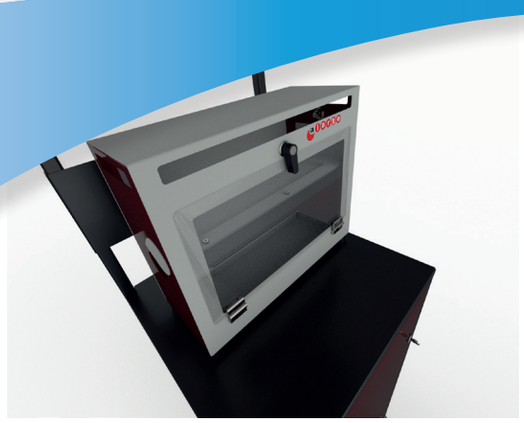
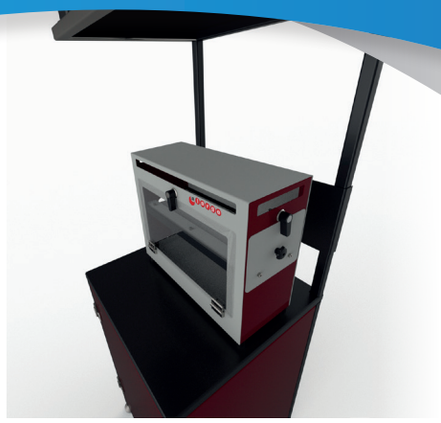
LABORATORY OVEN AND FURNACES





COMBUSTION CABINET

UL 94, ASTM D635, ASTM D3801, ASTM D4804, ASTM D5048, ASTM D4986, IEC 60695 :11–10 / 11–20, ISO 9772, ISO 9773 STANDARDS.

The flammability test cabinet is professionally designed for the determination of the resistance to combustion of industrial samples such as plastics, thermoplastics, fabrics, and composites in a controlled and standard environment. It can be used for all polymers.
The flammability test cabinet is used in testing laboratories to check the flammability of parts of plastic materials to ensure the safety of electronic devices or devices.
The cabin is made of stainless steel. The inside of the cabin is black for easy observation and has a large sliding window. Sample placement and bunsen burner placement can be changed horizontally / vertically.

- ✓ 0.1 s resolution digital timers
- ✓ Burner positioning apparatus for manual use
- ✓ Manometer / pressure meter, 300 mm
- ✓ 0° , 20°, 45° adjustable burner

Applications

- ✓ Plastics
- ✓ Consumer Electronic
- ✓ Textile
- ✓ Architecture and Construction

MUFFLE FURNACE

EN 12697-1 -C, EN 13108 STANDARDS.

Minimize outer surface temperatures while maintaining uniform heat distribution within the chamber. Suitable for a variety of industrial and laboratory applications. Muffle Furnace has the ideal design for applications of different sectors such as metal, ceramic and food industry, jewellery and dentistry with high temperature furnaces for general purpose, maximum operating temperatures of 1000 °C.

Technical Specifications

✓ Internal surface structure Aluminum oxide fire brick
✓ Temperature sensor Ni-CrNi Thermoelement
✓ Exterior Oven painted sheet metal
✓ Electronic thermostat with digital display
✓ Internal temperature differences ± 10 °C
✓ Temperature range: 250 => 1000 °C
✓ Capacity: 2 L – 4L – 7L- 10L – 12L
✓ Thermostat operating accuracy: ± 1 °C
✓ Thermostat adjustment accuracy: 1 °C
✓ Temperature measurement accuracy: 1°C
✓ Insulation material: Ceramic
✓ Heating power: 2500 W
✓ Input voltage: AC 220 V - 50/60 Hz

OVEN

TS EN 50086, TS EN 1604, EN 60811-1-2,

TS 9764, TS 11451 STANDARDS.

Sterilizer devices are used in all environments where sterilization processes are carried out with dry air and in food, chemistry, electricity, electronics, paint, textile, etc. of the industry. It is used in heating-drying processes between ambient temperature and 250 °C in sectors.

Technical Specifications

✓ 5 L ,10 L , 20L ,48 L ,60 L 120 L ,250 L , 500 L and 750 L volume options.
✓ Temperature operating range: Ambient Temperature + 5 ° C / 250 ° C
✓ Ideal design for dry air sterilization, drying and heating
✓ Control system with programmable PID microprocessor
✓ Digital display for temperature and time, easy to use control panel
✓ Suitable insulation for constant and stable temperatures
✓ Anodized (Anodic oxidation) coated aluminum cell
✓ Homogeneous temperature distribution and stability provided by natural air circulation
✓ Low heat loss thanks to tightly closing and fully sealing door
✓ Adjustable ventilation flap
✓ Safety thermostat
✓ Made the program 1 min.
- Snooze for a set time between 99.9 hours
- Thermostat operating accuracy: ± 1 °C
- Thermostat adjustment sensitivity: 1 °C
- Insulation material: ceramic
- Temperature measurement accuracy: 1 °C
- Stainless steel interior and exterior