



EIE INSTRUMENTS PVT. LTD.
(An ISO 9001:2015 Certified Company)

DUAL CHAMBER-COMBINED OVEN CUM INCUBATOR- GMP-DIGITAL-60 X 60 X 60 CM-216 LITERS CAPACITY



Applications:

- Drying, baking, wax, heat treatment and bacterial culture in one chamber

Salient Features:

- Drying, Sterilization and Incubation work can be completed through use of single instrument
- **Twin model comprises of upper chamber & lower chamber**
- Upper chamber works as an incubator while the lower chamber works as oven
- Both inner chamber & exterior body are fabricated from Stainless Steel S.S. - 304 grade material
- Both upper & lower chambers are filled with 65-75mm high density Glass wool insulation on all sides to avoid thermal leakage
- Oven & incubator - both are fitted with forced air circulation blower and heating elements such that uniform temperature distribution is achieved throughout the working chamber
- Quality Heating elements ensures long service life & minimum heat loss within the chamber
- Electric Motor located at the back side of unit, which is protected with safety cover to avoid accident
- Fitted with special heavy duty Stainless steel lock and door hinges with spring-roller mechanism
- Adjustable Shelves to place the Test Samples/Glass wares of varying dimensions
- Adjustable air ventilation mounted on sides of the chamber
- Unit mounted on castor wheels for easy movement.
- Internal circuit wiring as per international norms
- Aesthetic external appearance
- Complete with pilot indicating lamps, 2 meter cord wire and power plug.
- Operation on 220/230 Volt, 50 Hz, Single phase, AC Supply
- Supplied complete with IQ OQ DQ documents.

Air Circulation:

- Temperature is maintained by a quiet running blower for better air circulation throughout the chamber. Forced air circulated vertically down and re-circulated throughout the chamber for uniform temperature distribution.

Trays for samples:

- Trays of the incubator will be manufactured from strong Stainless steel rods - strong enough to with-stand heavy load of test specimens, which should be equally distributed among trays.
- Such trays will also facilitate better air circulation.
- The distance between trays will be 15-20 centimeters.

Safety Features:

- High temperature safety cut off (Thermostat)
- Electrical overload safety (Fuse 10 Amperes)

Pre installation mandatory requirement : (Guarantee void in case of non compliance):

- An operator shall maintain Room temperature around machine preferably at 25 °C with air conditioning system or shall arrange for a well ventilated room with exhaust fan. However, surrounding temperature should not exceed 30 °C .
- Stabilized Input Voltage of 230 Volt, 50 Hz, 20 Amps, AC Supply must be available for error less performance of the instrument. Use of Servo Controlled Stabilizer is recommended.

Technical Specification

•Mobility	: On castor wheels
• Bacteriological Incubator (Upper Chamber)	:
•Inner working size	: 60 X 60 X 60 CM (H X W X D)
•Chamber volume	: 216 liters
•Inner chamber	: Fabricated from Stainless Steel S.S. 304 - mirror polished material.
•Exterior body	: Fabricated from Stainless Steel S.S. - 304 Matt finishes material
•No. of trays	: 3 Nos. (Additional shelf at extra cost)
•Temperature Range	: 5 °C Above Ambient to 70 °C
•Temperature Resolution	: 0.1°C
•Temperature Accuracy	: ± 1°C or better
•Temperature Sensors	: High Quality PT-100 Sensor
•Temperature controller	: Microprocessor based Auto tune - PID controller
•Temperature Display	: LED Display
•Heating source	: Nichrome Heating elements / Air Heaters
•Heater watts	: 0.50 Kw
•Blower	: For Forced Air circulation
•Observation window	: Polycarbonate Sheet observation window
•Door lock	: Ergonomic and secured key lockable door lock
•Power Consumption	: 220/230 Volt, 50 Hz, Single phase, AC Supply
• Hot air oven (Lower Chamber)	:
•Inner working size	: 60 X 60 X 60 CM (H X W X D)
•Chamber volume	: 216 liters
•Inner chamber	: Fabricated from Stainless Steel S.S. 304 - mirror polished material.
•Exterior body	: Fabricated from Stainless Steel S.S. - 304 Matt finishes material

•No. of trays	: 3 Nos. (Additional shelf at extra cost)
•Temperature Range	: 50°C To 250 °C
•Temperature Resolution	: 0.1°C
•Temperature Accuracy	: $\pm 1^{\circ}\text{C}$ or better
•Temperature Sensors	: High Quality PT-100 Sensor
•Temperature controller	: Microprocessor based Auto tune - PID controller
•Temperature Display	: LED Display
•Heating source	: Nichrome Heating elements / Air Heaters
•Heater watts	: 1.50 KW
•Blower	: For Forced Air circulation
•Door lock	: Ergonomic and secured key lockable door lock
•Power Consumption	: 220/230 Volt, 50 Hz, Single phase, AC Supply
•Weight (Approx.)	: 72 kg

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