

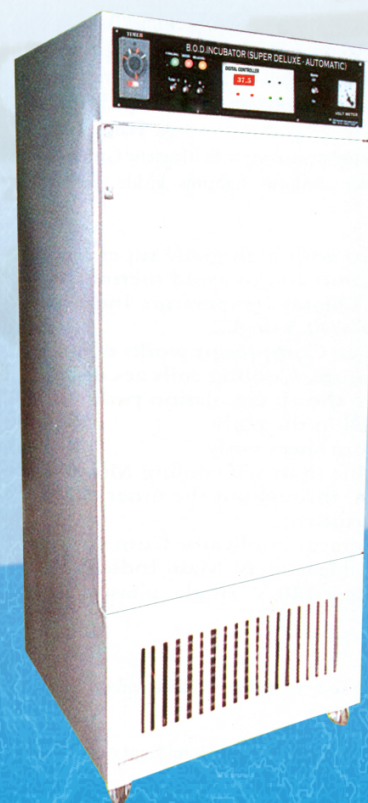


# B.O.D. INCUBATOR (AUTOMATIC)

- Stainless Steel/Aluminium Chamber
- With Digital Temperature Controller cum Indicator
- Temperature Range : 5-65°C
- Available Sizes : W×H×D

- 1) 455 × 610 × 410 mm. (4.0 Cuft.)
- 2) 500 × 825 × 415 mm. (6.0 Cuft.)
- 3) 565 × 865 × 550 mm. (10.0 Cuft.)
- 4) 650 × 875 × 550 mm. (12.0 Cuft.)
- 5) 650 × 900 × 580 mm. (15.0 Cuft.)

**Construction :** Triple walled construction with Outer Body fabricated of Mild Steel painted with white stoving enamel/Powder coated for better finish & durability. Inner Chamber will be made of Anodized Aluminum/Stainless Steel (304) Sheet with ribs for adjusting perforated shelves at convenient height. Three adjustable perforated shelves are provided. Full view inner acrylic door with aluminum channel boundary closes on a resilient gasket and permits inspection of the specimens, without disturbing the thermal conditions of the chamber. Cooling Unit is placed on heavy duty Iron angle Frame (just below the Chamber) with Castor wheel for easy movability. Door with Lock & Key arrangement along with Magnetic Gasket. A Door Operated illumination by fluorescent Lamp (15W) for uniform lighting inside the chamber.



## SPECIFICATIONS

**Insulation :** 65 mm. gap between the walls is filled with high grade super fine mineral glass wool for proper insulation and to avoid thermal loss.

**Temperature :** Range of 5-65°C, controlled by Digital Temperature Indicator cum Controller with an accuracy of  $\pm 0.5^\circ\text{C}$ .

**Cooling :** Hermetically sealed, High Performance Compressor works efficiently to lower the inside chamber temperature. Cooling coils are distributed evenly behind the chamber and lie in the air circulation path.

**Heating :** Fins Type Heating elements are placed in the path of moving air duly insulated from sheet body.

**Blower :** Air is circulated by a couple of double shaft self cooling Motor with fans to keep the temperature uniform throughout the inner chamber.

**Panel :** Panel is located at the top of the Instrument. \* ON/OFF Switch \* Voltmeter \* Digital Temperature Indicator cum Controller. \* Cooling, Heating & Main Indicator.

**Power Req. :** Supplied with cord & plug. to work on 220V single phase, 50 Hz, Ac Supply.

### OPTIONAL ATTACHMENTS/ACCESSORIES :

a) **ILLUMINATION :** Chamber illuminated by 03 Fluorescent tubes of 60 cm with individual switches at the Panel. A Mechanical Timer of 0-24 hrs to control the illumination dry & night cycle.

b) **HUMIDITY :** A Stainless Steel Water Tank with Heating Elements & Analog/Digital Humidistat to Create & Maintain desired humidity inside the Chamber from 45-95% ( $\pm 3\%$  Rh (Non adjustable)).

c) **SHAKER :** An Orbital Shaking platform can be provided at the base of the chamber. A heavy duty DC Drive Motor will control the Orbital Cycle from 50-250 RPM. Speed Control Regulator is provided to adjust the Speed accordingly. A Digital RPM Indicator can also be provided.

d) Outer Construction of Stainless Steel (304), in lieu of Mild Steel can also be provided.

e) Automatic Voltage Stabilizer.

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