

# B.O.D INCUBATOR

## Description

A laboratory incubator is a kind of heated, insulated box primarily designed to create and maintain microbiological or cell cultures. The main job of these lab incubators is to maintain the optimal humidity, temperature as well as gaseous content of the atmosphere inside. It is common to find a programmable timer in most of the lab incubators. Professionals are free to set any time through this feature to cycle through different humidity and temperature levels.

## Features

- ▶ Ideal for general lab applications
- ▶ Compact & bench top design
- ▶ Over-temperature protection
- ▶ Excellent temperature uniformity
- ▶ Door with glass window
- ▶ Stainless steel interior
- ▶ Easy-to-maintain and clean
- ▶ Microprocessor-based controller



## Controller: BOD Incubator Temperature Controllers

Each unit is equipped with a digital PID temperature controller for high-temperature accuracy and uniformity. This controller displays both set value (SV) and process value (PV). It also has a temperature low/high alarm which alerts the operator if there is any variation in set temperature. Heat is generated using resistance wire heaters or beaded heaters; a motorized blower or axial fan is also fitted to distribute the temperature across the chamber evenly



# Technical Specification

|                               |                                  |
|-------------------------------|----------------------------------|
| Temperature range             | Room temperature +5°C to 60°C    |
| Temperature accuracy          | ±0.1°C @37°C                     |
| Temperature controller        | PID controller with PV & SV      |
| Temperature sensor            | PT100                            |
| Inner chamber construction    | Stainless Steel 304 grade        |
| External Chamber Construction | GI powder Coated                 |
| Insulation                    | Mineral wool                     |
| Door                          | Insulated Door with Glass Window |
| Heaters                       | Air heaters With circulation Fan |
| Trays                         | Perforated SS trays – Removable  |
| Air circulation               | Motorized blower / Axial fan     |
| Power supply                  | Single Phase 220 V / 110 V       |

## STANDARD SIZES / DIMENSIONS AND ORDERING DETAILS

| Model     | Dimensions (Inch) | Volume (approx.) | No. of shelves |
|-----------|-------------------|------------------|----------------|
| BS-B-95   | 18 x 18 x 18      | 95 Liters        | 3              |
| BS- B-125 | 18 x 18 x 24      | 125 Liters       | 3              |
| BS-B- 225 | 24 x 24 x 24      | 225 Liters       | 3              |
| BS-B-340  | 24 x 24 x 36      | 340 Liters       | 5              |

## Application

- Yogurt Application
- Chemistry Lab
- Food Laboratory
- Pharmaceutical
- R & D
- Water Testing



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