



# TECHNICAL DETAILS OF BOD INCUBATOR

## INTRODUCTION:

Latest design, **BOD, Eco Friendly**, Instrument very suitable to perform tests like Colorfastness to Perspiration, Water, and Seawater etc due to **wide temperature range with high stability**. It is also very useful to preserve chemical & other material in Laboratories.

## EQUIPMENT:

**Paramount BOD Incubator** is a double walled cabinet with inner chamber made out of stainless steel grade-316. Sealed heating element is provided with the chamber, which is fabricated, with various ribs to adjust removable shelves, specially designed, to any convenient height. Outer body is made out of mild steel which is duly powder coated. The gap between the two walls is filled with Glass Wool for achieving better temperature in minimum possible time. Two air-circulating fans are provided for uniformity of temperature. It is specially designed with tough, calm and cool sealed compressor that is placed below the chamber along with evaporator coil and fan cooled condenser. Acrylic Door provides full view of the inner working space-allowing inspection of samples without disturbing the operation. Outer metal door is provided with magnetic gasket, illumination lamp switch & lock.

## PROCEDURE:

Switch on and set the desired temperature (between 5° C to 50° C) with the help of Digital Temperature Controller Cum Indicator. This controller has a dual display i.e. both the set temperature and the inside temperature is displayed at the same time. The indicator has a controlling accuracy of + 0.5° C or better.

## TECHNICAL DETAILS:

Power Supply	:	220 V ,1 $\phi$ , AC, 50 Hz
Temperature Range	:	<b>5° C - 50° C</b>
<b>Temperature Stability</b>	:	<b><math>\pm 0.5° C</math></b>
Capacity	:	112 liters.
Heater	:	250W
Chamber Size	:	455 x 610 x 140 mm
Selves/Tray	:	2 Nos
Controller	:	<b>PID Temperature Controller</b>
Dimension	:	
Weight	:	