

B.O.D. INCUBATOR Construction Of Stainless Steel Sandwich Type 75 MM Thick PUF- filled Body. PUF Insulation Density: - 40kg/Meter<sup>3</sup>, Inner MOC of Chamber: - S.S.304/316, Outer MOC of Chamber- S.S. 304 & Wire Meshed type S.S. Trays are Provided (MOC:- S.S. 304/S.S. 316). Double walled PUF-filled S.S. Door is provided along with Silicon Gasket for air tight sealing. Mechanical lock & Key provision is provided for Door. Master Sensor for temperature is provided for controlling of chamber. The Control Panel, cooling system, & Air circulation blower are provided with attention of all standard parameter. Mounted on heavy castor wheels for easy movement.

#### TECHNICAL SPECIFICATION OF B.O.D. INCUBATOR

- ❖ Temperature range: Ambient +5.0°C to 60.0°C
- ❖ Temperature control accuracy  $\pm 0.1^{\circ}\text{C}$  of set point
- ❖ Temperature uniformity  $\pm 0.1^{\circ}\text{C}$
- ❖ PUF Insulation Density:- 40kg/Meter<sup>3</sup>
- ❖ Control type: Time proportionate digital Microprocessor PID,
- ❖ Temperature display: digital LED
- ❖ With motorized fan blower for air circulation
- ❖ Inner full length acrylic door
- ❖ Outer cabinet SS 304 grade dull matt finish.
- ❖ Inner chamber made of stainless steel 304 grade.
- ❖ Inner chamber stainless steel mirror finish.
- ❖ Easy removable PU Wheel two breakable & two none breakable.
- ❖ Input voltage: 230Volts AC, 50 Hz.



#### OPTIONAL ACCESSORIES:-

- ❖ PLC based system : PLC with HMI 3.7" touch screen
- ❖ Magnetic door lock feature.
- ❖ GSM system: alarms sent to predefined mobile numbers.
- ❖ Controller with printer interface to connect to EPSON Dot matrix line printer. Date, time and temperature.
- ❖ Microprocessor based PID controller in lieu of above digital temperature. Controller with Auto tune facility
- ❖ Digital timer of 999 minutes with automatic heater cut-off for timed cycle.
- ❖ High temperature safety cut-off with audio/visual alarm.

Temperature Mapping Incubator: Performance qualification with temperature mapping on site. Performance validation test consist of one cycle at any one-temperature point for 2 hours period. This is done to demonstrate the uniformity of Temperature within the chamber is acceptable and that the items within chamber receive a uniform temperature condition. Data is collected in printed format from up to six different points within the chamber. Temperature uniformity is considered acceptable if the deviation is less  $\pm 1^{\circ}\text{C}$  of set temperature.

Note: Every National B.O.D. Incubator is validated prior to dispatch at the factory. Those customers who do not require on site mapping may request for FREE copy of factory mapping cycle data sheet.