BOD INCUBATOR SHAKER (90 / 125 LTRS)

In order to provide optimal conditions for cell growth, some type of agitation or shaking is necessary to incorporate oxygen and evenly distribute nutrients throughout the culture media. That's often done by placing a separate shaker inside an incubator, but incubator shakers combine those functions for a more convenient and efficient setup. The incubator shaker can be used for growth of just about any kind of cell including bacterial cultures, tissue cultures, and yeast

SPECIFICATIONS :

- **Outer Construction :** MS powder coated.
- **Inner Construction :** SS 304
- **Insulation :** Double walled construction with 70mm thick **'PUF'** insulation provided in between the walls to prevent loss of temperature.
- **Refrigeration :** CFC free compressor utilizing R134a Eco-friendly refrigeration.
- **Samples viewing :** Transparent Glass window cutout on front door of 1 feet square.
- **Inbuilt Lighting :** Built in lightning attachment with low wattage provided with External Switch on the front panel.
- **Shaking Platform Size :** For conical flask SS Platform size with 335 x 335 mm | 435 x 435 mm.
- **Shaking Speed :** 20 – 200 Orbital Strokes per Min. (Without Load)
- **Additional SS Tray :** For Petri dishes and small beakers.
- **Temperature Range :** 5 °C to 60 °C, Accuracy: ± 1.0 °C.
- **Safety thermostat :** Safety Thermostat provided to cut off heater above 70 ° C.
- **Uniformity control :** Fitted with recirculation fan in the chamber for uniformity of temperature.
- **Platform capacity :** As per the table chart given below for tray size suitable clamps capacity.
- **Display Control :** Microprocessor based PID control by using PT 100 Sensor.
- **Speed Indicator :** Digital Speed Indicator on the front panel.
- **Mains Power :** Works on 230 V AC single phase 50Hz.

SPECIAL FEATURES FOR 90 LTRS

- **Motor Type :** Brushless Induction Motor. For 24 Hrs Working cycle.
- **DC Drive :** For BLDC Motor
- **Working Hours :** Operates on 24 Volt, Brushless DC Motor, for long running hours of various lab applications.
- Zero Maintenance.

SPECIAL FEATURES FOR 125 LTRS

- **Motor Type :** Brushless 3 phase Induction Motor, For 24 Hrs Working cycle.
- **VFD Drive :** For 3 Phase Induction Motor
- **Working Hours :** Operates on 3 Phase Induction Motor, for long running hours of various lab applications.
- Zero Maintenance.

ORDERING INFORMATION :

CAT. NO.	Capacity Ltrs.	Outer Chamber Size (L x D x HT) in mm	Inner Chamber Size (L x D x HT) in mm	Tray Size mm	Digital Speed Indication
BISR - 090	90	490 x 605 x 820	400 x 400 x 450	335 x 335	YES
BISR - 125	125	650 x 650 x 1300	500 x 500 x 500	435 x 435	YES

NOTE: The 3 KVA Capacity, Servo Controlled Voltage Stabilizer is a must for the above B.O.D. Incubator.

Loaded SS Clamps (removable) for Incubator Shaker: OPTIONAL

CAT. NO.	Flask Capacity (ml)	No. of SS Lotus Clamps required for tray size 335 x 335 mm	No. of SS Lotus Clamps required for tray size 435 x 435 mm
SS CLAMP - 501	50	16	25
SS CLAMP - 502	100	16	25
SS CLAMP - 503	250	8	16
SS CLAMP - 504	500	8	16
SS CLAMP - 505	1000	4	8
SS CLAMP - 506	2000	1	4

HSN CODE - 8419 8990 GST % - 18 %