

BOD Incubator Shaker, Rivotek

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:

| | |
|-----------------------------------|-------------------------------------------------------------------------------------------------------------------------|
| Material of Construction: | Interior cabinet- SS 304 & Exterior cabinet: MS powder coated. |
| Insulation: | Double walled construction with 70mm thick 'PUF' insulation provided in between the walls to prevent loss of heat. |
| Display Control: | Microprocessor based PID control of by using PT 100 Sensor. |
| Temperature range: | 5 °C to 60 °C, Accuracy: $\pm 1.0^{\circ}\text{C}$ |
| Shaking Platform Size: | For conical flask SS Platform size with 425 x 425 mm. |
| Additional Steel Rod Tray: | For Petri dishes and small beakers, size with 425 x 425 mm. |
| Exceptional Uniformity: | Motorized blower at back side of the chamber develops unique Air flow system which ensures maximum uniform temperature. |
| Safety thermostat: | Safety Thermostat provided to cut off heater above 70 °C. |
| Observation: | Transparent toughened glass door and outer door key lockable. |
| Samples viewing: | Built in lightning attachment with low wattage CFL Lamp provided with External switch on the front panel. |
| Refrigeration: | CFC free compressor utilizing R134a Eco-friendly refrigeration |
| Feet: | Castor wheels. |
| Mains Power: | Works on 230 V AC single phase 50Hz. |



Special Features

| | |
|--------------------|-------------------------------------------------------------------------------|
| Motor: | Brushless 3 phase Induction Motor, to operate 24 x 7 cycle. |
| VFD Drive: | VFD (Variable Frequency Drive) of 230 V, I Phase Input – III Phase output. |
| RPM: | 50 to 200 RPM. (without Load Approximately) |
| Volt Meter: | With LCD Display for better view |

| Cat No. | Capacity Litres | Temp. Range °C | External Dimensions W x D x H (mm) | Internal Dimensions W x D x H (mm) | Maximum Price Rs/Pc |
|-----------|-----------------|----------------|------------------------------------|------------------------------------|---------------------|
| 50084 125 | 125 | 5 °C to 60 °C | 650 x 650 x 1300 | 500 x 500 x 500 | On Request |

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

Spring Loaded SS Clamps (removable) for Incubator Shaker: **OPTIONAL**

(To be ordered separately as per the user's requirement)

| Cat No. | Flask Capacity ml | No. of SS lotus clamps required for tray size 425 x 425 mm | Maximum Price Rs/Pc |
|-----------|-------------------|------------------------------------------------------------|---------------------|
| 50081 501 | 50 | 25 | 235.00 |
| 50081 502 | 100 | 25 | 245.00 |
| 50081 503 | 250 | 16 | 260.00 |
| 50081 504 | 500 | 16 | 345.00 |
| 50081 505 | 1000 | 8 | 485.00 |