



## BOD Incubator Shaker

A shaker is a piece of laboratory equipment used to mix, blend, or agitate substances in a tube or flask by shaking them

# BOD Incubation Shaker

Brand- **BioGenix®**

## Product Description

BioGenix Incubation Shaker: Integrate incubator and shaker. Save lab space. Compact design, good temperature uniformity, low noise. Micro-processor controls temperature and shaking speed. Built-in timing function. Friendly equipped with touch screen and operation panel. Cover can be widely angle opened, convenient to watch and pick sample. Equipped with cover switch. When the cover is open, air circulation, heating and shaking will automatically stop. No temperature overshoot problem. Unique speed control circuit to ensure shaker smoothly start to avoid liquid spilling. Circulation fan speed can be adjusted to avoid high-speed of the circulation fan making the sample volatilize. Independent temperature alarm system. Heating is cut off automatically when temperature is over the limited value. Sound alarms after program finishes.



## Standard Features : -

- Brushless induction Motor with variable frequency drive suitable for continuous operations
- Step less variable frequency drive ensures gentle shaking start and maintains set speed
- Counter balanced mechanism for high stability in uneven load of different sized flasks
- Universal Shaking Platform to accommodate different sized assorted flasks
- Maximum shaking capacity “ 9 Flasks x 2000 ml
- Powerful fan motor for forced air circulation to maintain uniform conditions inside chamber
- Machine filled PUF insulation to eliminate void pockets
- Unique design of thermal barrier for better energy efficiency
- Heating by long SS tubular heaters
- Additional tray to store samples
- Chamber calibration port on side
- Hermetically sealed Compressor with CFC free refrigerant (CIS“24 Plus)
- Microprocessor controller with 4 LCD display for display of shaking speed & temperature
- 9 programs memory
- Power failure and resumption recorded with data and time.
- High temperature safety cut off & alarms for high / low set temperature
- Electrical circuit breaker
- Time delay for compressor switch on (CIS“24 Plus)
- Overload cut off relay for compressor (CIS“24 Plus)
- Rounded inner chamber for easy cleaning
- Attractive door profile

## DOCUMENTATION AVAILABLE

- Stainless steel test certificate (Optional)
- Digital temperature controller calibration certificate issued by Manufacturer (Optional)
- Digital temperature controller calibration certificate by test house traceable to NPL or NABL accredited Lab. (Optional)
- IQ/OQ/PQ/DQ certificates (Optional)
- CE Certificate
- ISO-9001:2000 Certificate
- NSIC & SSI Registration Certificates
- Working Manual

## SAFETY FEATURES

- ❖ M.C.B. is provided at the mains of the connection Overheat controller is provided additionally which protect to control in case of controller failures
- ❖ Fuses are provided on every electrical line to safeguard each and every component.

## OPTIONAL ACCESSORIES

- ◆ Recommended Voltage Stabilizer (Pls suffix VS for cat. no.)
- ◆ Outer body made of Stainless Steel 304 instead of Mild Steel (G.M.P. Model) (Pls suffix GMP for cat. no.)
- ◆ Inner chamber made of S.S. 316 instead of S.S. 304 (Pls suffix IC-316 for cat. no.)
- ◆ Spare Tray for desired size of flasks (Pls suffix T for cat. no.)
- ◆ Spare Shelf (Pls suffix S for cat. no.)
- ◆ Shaking speed upto 300 RPM instead of 180 (Pls Suffix S-300 for Catalogue No.)
- ◆ Port of computer interface (Pls suffix C for cat. no.)
- ◆ Digital temperature controller calibration certificate issued by manufacturer
- ◆ Digital temperature controller calibration certificate by test house traceable to NPL or NABL accredited Lab. IQ/OQ/PQ/DQ certificates

## ORDERING INFORMATION

MODEL	SIZE	VOLUME	SHELVES
BSCIS-28 L	12" X 12" X 12"	28 Litre	2
BSCIS-45 L	14" X 14" X 14"	45 Litre	2
BSCIS-95 L	18" X 18" X 18"	95 Litre	3
BSCIS-125 L	18" X 18" X 24"	125 Litre	3
BSCIS-216 L	24" X 24" X 24"	216 Litre	3
BSCIS-250 L	18" X 24" X 30"	250 Litre	4
BSCIS-340 L	24" X 24" X 36"	340 Litre	5
BSCIS-500 L	28" X 28" X 40"	500 Litre	7

# TECHNICAL SPECIFICATION

<b>Model Number/Name</b>	BSBIS-500
<b>Color</b>	White
<b>Size</b>	4 cuft
<b>Chamber Volume</b>	100 ltr
<b>Chamber Material</b>	SS304
<b>Brand</b>	Span
<b>Speed Range</b>	0-500 RPM
<b>Number Of Shelves</b>	2 Shelves
<b>Temperature Range</b>	5 to 75 degree Celsius
<b>Temperature Uniformity</b>	0.1 degree C
<b>Voltage</b>	220 V
<b>Maximum shaking capacity</b>	9 Flasks x 2000 ml
<b>Frequency</b>	50 Hz
<b>Accuracy</b>	0.50 Degree C
<b>Speed</b>	20-220 RPM
<b>Shaking movement</b>	Orbital
<b>RPM Display</b>	LED Display
<b>RPM Controller</b>	Speed regulator
<b>Exterior</b>	Powder Coated GI Sheet
<b>Interior</b>	Stainless Steel 304
<b>Insulation</b>	Glass wool
<b>Air circulation</b>	Motor driven blower
<b>Heater</b>	Tubular air heaters
<b>Temperature controller</b>	Microprocessor PID controller Display of SV & PV
<b>Door</b>	Solid door with silicone gasket & observation window
<b>Illumination</b>	LED light
<b>Optional</b>	Digital timer 0 – 99 minutes Temperature Low / High alarm Changeable platform PLC + HMI controller with USB interface Exterior made of SS 304 Test tube racks UV Lamp Caster wheels with brake PLC + HMI controller with USB interface Exterior made of SS 304
<b>Power</b>	PLC + HMI controller with USB interface Exterior made of SS 304 220 Volts / 50 Hz

Dealer Details

## BIOGENIX SYSTEMS PRIVATE LIMITED

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