



Advance Biotech Solutions India Pvt. Ltd.

(Advance Technologies, Effective Solutions)



(An ISO 9001:2015 Certified Company)



STER-SAFE MAX BOD INCUBATOR



ABSIPL make Ster-Safe Max brands BOD Incubator

BOD Incubators are designed to meet incubation criteria required in bod analysis of water and wastewater samples, fermentation studies, plant and insect studies and bacterial culturing etc. Equipping with superior quality instruments, they deliver the performance, quality and reliability required by researchers and clinicians worldwide.

Often called low temperature incubators, our **BOD Incubator systems** are constructed with corrosion resistance stainless steel and fitted with branded instruments; offering reliable results and comfortable working all the time. The standard models are available; in addition, we also offer custom designing with choice of construction materials, instruments, optional accessories and other features as per budget of our clients. No doubt, we supply them all over India and overseas at highly competitive price.

Features:

Microprocessor Control System	PID temperature controller
Safety thermostat for over temperature protection	Meet Biochemical Oxygen Demand
CFC free cooling systems (branded)	Printer interface (DOT Matrix - Optional)
Designed with and without orbital shaker	IQ, OQ and PQ documentation if required
Fully Adjustable Shelves	Caster wheels for easy mobility
Double walled construction with insulation	Audio visual alarm alerts

Design & Construction

BOD Incubators manufactured here are in various designs; choose from our standard models that are available as **undercounter**, **floor-standing**, single and double doors units etc. Each system features **temperature range 2°C to 60°C** with uniformity of $\pm 0.5^{\circ}\text{C}$ @ 20°C . Microprocessor PID controller delivers superior temperature control accuracy, required for precise results. Our features and advantages include illumination lamp, caster wheels for easy mobility, digital timer and quality certifications.

Below mentioned are technical specifications of our standard BOD incubator models, helping you to decide which unit is best suitable for your laboratory and application. If you need any customization in them, please discuss with us, we can modify the equipment and make it suitable for your requirements; GMP models also available.

Safety:

- High temperature safety cut off & alarms for high / low set parameters
- Electrical circuit breaker
- Time delay for compressor switch on
- Overload cut off relay for compressor

Features for LCD version:-

- 4/7 Inch attractive LCD display
- Intelligent Controller helps maintain temperature in case of sensor failure
- 72 hours Battery Backup for Temperature Controller and display.
- Automatic Calibration of set parameters
- Self-Diagnosis for errors
- Histogram format of 24 hours temperature recording
- Power failure and resumption recorded with date and time
- Settable High / low alarm points with date and time
- Memory for storage of up to 1000 records
- Alarm on equipment / security gate
- Optional PC communication with RS-485 and Optional software complying to 21 CFR part 11

Options

Our BOD Incubator systems are designed and supplied with variety of options to suit your unique test requirements. We also supply Dissolved Oxygen (DO) meter and pH test meter for further analysis. The equipment can also be equipped with number of additional accessories including humidity system, fluorescent tube lighting, digital timer and humidity control and arrangement for incubation of co2 air mixture. If required, we also provide IQ, OQ, DQ, and PQ validation documents.

Specifications:

Model	SSM-BOD100	SSM-BOD200	SSM-BOD300
Volume	100 Liters	200 Liters	300 Liters
Capacity	3.53 Cu. Ft.	7.06 Cu. Ft.	10.60 Cu. Ft.
External Chamber	MS / SS 304	MS / SS 304	MS / SS 304
Internal Chamber	Stainless Steel 304 (Optional SS 316)	Stainless Steel 304 (Optional SS 316)	Stainless Steel 304 (Optional SS 316)
Temperature Range	2°C to 60°C	2°C to 60°C	2°C to 60°C
Temperature Uniformity	+/- 0.5°C at 20°C	+/- 0.5°C at 20°C	+/- 0.5°C at 20°C
Display	Backlit LED Display	Backlit LED Display	Backlit LED Display
Temperature control	Microprocessor P.I.D controller On / Off compressor control PT 100 sensor	Microprocessor P.I.D controller On / Off compressor control PT 100 sensor	Microprocessor P.I.D controller On / Off compressor control PT 100 sensor
Door	Solid insulated door (with glass & without glass) with lock	Solid insulated door (with glass & without glass) with lock	Solid insulated door (with glass & without glass) with lock
Shelves	Stainless steel Shelves (2 to 5), removable	Stainless steel Shelves (2 to 5), removable	Stainless steel Shelves (2 to 7), removable
Refrigerant	R134a / CFC Free	R134a / CFC Free	R134a / CFC Free
Power	220 Volts / 50 Hz	220 Volts / 50 Hz	220 Volts / 50 Hz
Optional	- Caster wheels - Humidity system - Light system by interior illumination. - Timer 0-24 hours for regulating cycle's illumination condition - Arrangement for incubation of CO2 Air Mixture - Combined Electronic Digital Temperature & humidity controller.	- Caster wheels - Humidity system - Light system by interior illumination. - Timer 0-24 hours for regulating cycle's illumination condition - Arrangement for incubation of CO2 Air Mixture - Combined Electronic Digital Temperature & humidity controller.	- Caster wheels - Humidity system - Light system by interior illumination. - Timer 0-24 hours for regulating cycle's illumination condition - Arrangement for incubation of CO2 Air Mixture - Combined Electronic Digital Temperature & humidity controller.-



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