

Why Choose BST Controlled Glove Box Work Station?

- ❖ Most Cost Effective
- ❖ Highest Level of Reliability & Safety
- ❖ Stainless steel enclosure with polycarbonate window
- ❖ Easy locking and transferring system
- ❖ Best controlled Humidity & Temperature
- ❖ Microprocessor based controlling and Display of parameter

Features

- Double-wall, insulated glove box to stable process temperatures
- 304 stainless steel chamber provides a non-contaminating, durable, chemical-resistant enclosure
- Automatic maintenance of oxygen and moisture level in main chamber
- Microprocessor based Controlling for antechamber and main chamber
- Digital Touch Screen Display
- User friendly Interface for data Input
- Negative and positive pressure operation using foot Paddle switch
- Proprietary algorithm to maintain temperature, Humidity and O₂ conc less < 0.1 %.
- Solid state sensor, Digital Vacuum/Pressure sensors and PT100 sensors.

- Particle removal, Charcoal and moisture filters,
- Florescence light for general purpose.
- Power Electric Switch and Shelves

Technical Specification (Model No: BS-ICB1300GL)

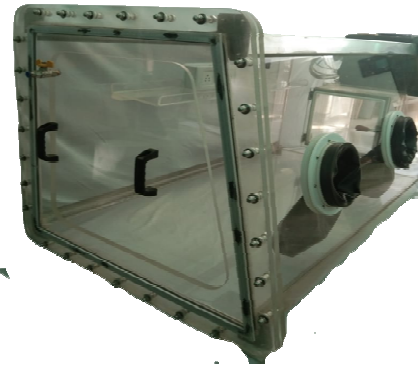
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|--------------------------|--|
| Dimensions | Internal dimensions (mm) L x W x H : 1000mm x 700mm x 700mm External dimensions (mm) L x W x H : 1500mm x 700mm x 700mm Material of construction: Stainless steel 304 L Thickness (mm): 3-4 Environment: Nitrogen, Argon & Helium Performance: Temperature 2 C to 60 & Humidity 10 to 70 % RH, O ₂ < 0.1 % |
| Feed through | Electrical feed through, 2 electric panel |
| Filters | 0.1-0.5 micron HEPA inlet/outlet filters (class H13 (ISO Class – 6) or better) |
| Ante chamber | Total: One Material of construction: Stainless steel Thickness: 3 mm Door sealing mechanism: Spindle lock/ Gas piston type Dimensions (mm): L x D x H : 300 x 300 x 300 mm Vacuum: better than 0.4-0.6 mbar or flow volume 10-15 m ³ /hr |
| Tray | Consist of a stainless steel sliding tray. |
| Glove ports | Two glove pots made up of POM/Derlin |
| Gloves | Material: Chemical resistant Butyl Thickness: 0.4-0.6 mm (± 10%) Size: 8 Inch & 32 inch long |
| Vacuum pump | Rotary vane mechanical pump or better with necessary moisture and vapour traps for vacuum pump. |
| Flow piping and fittings | Should be made of stainless steel |
| Control system | Microprocessor based controller of all basic functions & monitoring of box parameters with 7 inch colour panel. |
| Sensors | PT100 (Temp), Humidity, Oxygen, Vacuum sensors for antechamber |
| Oxygen probes | Measuring range: 0.1 to 20 % Accuracy: +/- .1 % in full range. Repeatability: +/- 1% in full range Resolution: +/- 0.1% in full range |
| Moisture/RH probes | Measuring range: RH 10 % to 90 % (± 5%) Accuracy: +/- 2 °C DP |
| Temperature Range | 2 °C to +60°C ; Accuracy of ± 0.5°C or better measurement with temperature sensor |
| Heating rate | 1°C/min average heating up |

| | |
|-----------------------|---|
| Cooling rate | 1°C/min average cooling down |
| Heating system: | ISI marked air heater and blower fitted inside the |
| Cooling system: | Air cooled condenser with single stage refrigeration system with ozone friendly non CFC free refrigerant with branded compressor i.e. emerson |
| Humidity range | 10% to 90% RH with $\pm 3\%$ to $\pm 5\%$ steady state accuracy |
| Humidification System | Air Atomizers for Humidification, & Dehumidification system |
| Safety features: | Safety features: I. Quick release valve and warning alarm: Warning alarm for temperature, pressure and humidity overshoot. High temperature digital safety controller with audio warning signal for the protection. High voltage and low voltage cut off single phase preventer. Miniature circuit breakers for heating system. Pressure gauges for measuring the refrigerant in the refrigeration system. |



Temperature & Humidity Controlled Glove Box- BST-ICB Series





Temperature and Humidity controlled Acrylic glove Box

(BST-ICB247A)



Sleeves with gloves to help weighing small amount of materials

We, BioStag Technologies, innovate and designed most economical products to support healthcare professionals to provide high end technology to researcher.

We make sure our chambers are held to the highest standard of quality so we can meet the satisfaction of scientist.

We have vibrant team of dedicated and credentialed professionals who offer support to client whenever they needed.



BST offers a diverse product line including Oxygen Generator, centrifuges, hypobaric system and gas generator. BST products are world-class technology and engineering.

BST have well trained engineer to provide service all over India. BST also have good network of business partners and services offices.

Optional Accessories:

Medical record software
Vacuum Pump
UV Light and CCD
Camera
Nitrogen gas Generator

Biostag Technologies

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