

Vacuum Glove Box Metal Body

BHFTECH is the largest manufacturer of Inert gas Glove box chamber in India includes Gas Enclosures, Clean room equipment and Purification systems. BHFTECHG has developed innovative sealing technology and gas purification systems that enables our users low leakage rates and high impurity levels better than industrial standards. Our designs can remove O₂, H₂O and N₂ to ppm levels and achieve ISO-2 class level clean rooms.



Leak Free Sealing Technology

BHFTECH Glove boxes are made of stainless steel and are welded entirely except for the front window and glove ports. The Ports has double seal for enhance vacuum leakage protection. We give our customers the most advance sealing technology and guarantee that your research stays protected from the atmosphere.
Ultra Low Impurity levels
Ultra Low Leakage rate
Low regeneration frequency
Long Seal Life
Ultra Low Energy consumption

High Efficiency Purification Systems

Ultra High pure gas purification and separation with BHFTECH many years of R&D design helps us to serve industry with purification trains with improved efficiency and capacity.

1. Optimized parameters are
2. Gas Flow distribution
3. Internal Structure of purification columns
4. Adsorption materials
5. Purifier filling methods

Accurate Trace Gas Analysis Oxygen Analyzer

1. Accurate with repeatability
2. Not effected by solvents
3. Low operating cost and replaceable sensor

Moisture Analyzer

1. Accurate, widely used and reliable
2. Low Maintenance

Applications

Chemical Synthesis Glovebox

Long Lifespan
O₂<1 ppm H₂O<1 ppm
Low leakage (<0.001 vol%/h)
Excellent purifier capacity (O₂:45-60L)
Accurate moisture and oxygen detection
Infrequent regeneration
Low failure rate
Safe and convenient

OLED/OPV Glove boxes

Clean room environment
Substrate cleaning equipment
spin Coating equipment
Thermal treatment equipment
Vacuum deposition equipment
Manual and automatic encapsulation equipment
Temperature control systems
vacuum controlled drying systems for printing

Lithium Battery and Super capacitor Glove boxes

Excellent seal ability with long lifespan
Protection device for moisture and oxygen sensors
Strong resistance to organic solvents
can integrate with different vacuum heating and drying technologies

Nuclear Research & Industry Glove boxes

Advance leak free technology
Radiation protection: lead plate, flint glass, leaded gloves
Ultra low moisture and oxygen content: < 1 ppm
Capacity to perform no leak contaminated glove changing under negative box pressure
Safe transfer of nuclear materials

Laser Welding Gloveboxes

Low Moisture and oxygen content
Ergonomic
Accurate moisture and oxygen detection
Process efficient
Fast and slow purge features available

Additive Manufacturing Gloveboxes

Custom enclosures around your AM machine process
Low O₂ and H₂O gas management integration
Pre Process powder packaging enclosures
Post process de powdering enclosures
Hermetic Powder storage with on board monitoring

GLOVE BOX TECHNICAL DATA

	Material	SS 304
MAIN VACUUM GLOVE BOX	Dimensions (mm)	Length : 1200/1500/1800/2400 mm Width: 750mm Height : 900 mm
	Shelves	Length: 990/120 mm Width : 180 mm Fixed or adjustable shelves
	Lighting	LED
	Glove Ports	Aluminum O-ring Diameter : 220 mm
	Gloves	Butyl Rubber Thickness: 0.4 mm
	Feedthrough	KF 40 Flanges Sealed with blank caps
	Power Interface	110/220 V
	Filters	Mounted on Vents
Large Antechamber	Material	SS304 White External Varnish Brushed Inner surface
	Location	Left or Right
	Dimensions	Inner Diameter:370 mm Inner Length : 600 mm
	Transfer Mode	Sliding Tray
	Internal Tray	SS 304
	Door	Double Doors Anodised Doors Thickness : 10 mm
	Operation Mode	Manual and Automatic
	Optional Antechamber	Rectangle/ L shaped/ Cylindrical T Shaped/Rectangular T Shaped
Small Antechamber	Material	SS304 White External Varnish Brushed Inner surface.
	Location	Left or right side
	Dimension	Inner diameter: 150 mm Inner Length : 300 mm
		Sliding Tray
		SS304
	Door	Double Doors Anodised Aluminum Thickness: 10mm
	Operation Mode	Manual
Stand		Adjustable levelers and castors for mobility
Power Line		220/120 Volts 50/60 HZ

	2 Port Gloveboxes 2 - LXWXH(mm) 1200x750x1815
	3 Port Gloveboxes 3 - LXWXH(mm) 2100x750x1815
	4 Port Gloveboxes 4 - LXWXH(mm) 2400x750x1815 All one side – 4 Glove Holes
	4 Port Gloveboxes 4 - LXWXH(mm) 3000x750x1815 All oneside – Modular – 4 Glove Holes



4 Port Gloveboxes
4 - LXWXH(mm) 2100x1000x1815

2 Side x 2 Glove holes



6 Port Gloveboxes
6 - LXWXH(mm) 2400x1000x1815

2 side x 3 Glove Holes



8 Port Gloveboxes
8 - LXWXH(mm) 3000x1000x1815