

Four Workstation Glove Box For Lithium **Battery**

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Auto Purging - The replacement of the atmosphere inside the glove box can be achieved automatically by the purging valves.

Automatic Regeneration - H2O and O2 removal material can be regenerated. The regeneration process controlled by program.

Pressure Control in the Glove Box - The pressure in the glove box is controlled automatically by the Programmable Logic Controller (PLC). Working pressure can be set between +10mba and -10mba. If the pressure goes over+/- 12mbar, the system will be protected automatically.

- Brand:TOB NEW ENERGY
- Item No.:TOB-GB-4880-S
- Order(Moq):1
- Payment:L/C,T/T,Western Union
- Product Origin:China
- Shipping Port:XIAMEN
- Lead Time:7

Product Detail

Double-position standard glove box

SPECIFICATIONS

1. Function

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Automatic Vacuum Pump Control - The vacuum pump will be activated automatically when necessary, and will turn off after a period of idle time.

- 2. Basic Configuration
- 4 304 stainless steel box, acid resistant, thickness is 3 mm
- 2 Large Antechamber made from Stainless Steel ,360mm(14.2") diameter x 600mm(23.6") long, one at right and one at left
- 2 Mini Antechamber, 150mm(5.9") diameter x 300mm(11.8.") long, one at right and one at left
- 4 front windows with 2 glove ports
- 4 Pairs of Butyl rubber Gloves
- 4 set Lighting Systems
- 2 power cables inside the box
- 16 KF40 backup interfaces
- 1 high-performance circulating fan 145m3/h
- 1 vacuum pump, RV12
- 1 set of water analyzer
- 1 set of oxygen analyzer
- 1 set of organic solvent adsorber

Bracket wheel

Foot switch

Item	Parameter
Glove Box	Dimensions:4880mm wide x 750mm deep x 900mm high,.
	Innersurface: stainless steel
	Outer surface: spray paint, white
	Material for Box:3mm thick. 304 stainless steel, acid resistant
	Windows -Slanted window, transparent tempered safety glass, thickness 8 mm, protective film.
	Glove Ports –Material is hard aluminum alloy, O-ring seal.
	Gloves - Butyl - 8" cuff diameter -0.4" Thick - 32" Length
	Dust Filter - 0.3 µm - 1 gas inlet and 1 gas outlet filter
	Shelves - Stainless -adjustable height.
	External Fluorescent Lights -LED lights, mounted in front of each glass window
	Interface: 16 spare interfaces, DN 40 KF.
Main	Large Antechamber - 304 Stainless Steel
Antechamber	360mm(14.2")Diam 600mm(23.6") Long (R or L)
	Surface: the inner surface is polished and the outer surface is painted (white)
	Sliding Tray on Stainless304
	Door: double door, anodized aluminum material, thickness 10mm, vertical operation, with lifting mechanism
	Pressure gauge: analog display
	Control:Solenoid valve touch screen automatic operation
Mini Antechamber	One - Mini Antechamber - 304 Stainless Steel
	150mm(5.9") Diam 300mm(11.8") Long (R or L)
	Surface: the inner surface is brushed and the outer surface is painted (white)
	Door: double door with moving sliding plate, press-button opening method
	Pressure gauge: analog display
	Manual Operation via Hand Valve

Gas	Function:Removal of H2O and O2.
Purification	
	Container material: 304 stainless steel.
	Purification material: copper catalyst: 9 kg; molecular sieve: 9kg
	Purification capacity: oxygen removal: 100L; water removal: 4Kg
	Water oxygen index: less than 1ppm
Circulatory	Working gas: nitrogen, argon, helium
system	Cycle capacity: integrated fan flow 145m3 / h
Regeneration	Operation: PLC automatically controls the regeneration process.
	Regeneration gas: mixed gas of working gas and hydrogen, (hydrogen 5-10%)
Valve	Main valve: DN 40 KF, electric dynamic angle valve
	Control valve: electromagnetic integrated valve
Control System	Function: including self-diagnosis, power-off self-starting feature, pressure control and adaptive function; automatic control, cycle control, password protection; unit control adopts Siemens PLC touch screen.
	Pressure control: The pressure working pressure of the control box and transition chamber can be set freely within +/- 10 mbar, and the automatic protection is beyond +/- 12 mbar.
	Pedal: Controls the pressure of the cabinet for easy operation and step-down.
	PLC (Programmable Logic Controller).
Vacuum Pump	Specification: 12m3 / h, rotary vane pump, with oil mist filter, gas vibration control.
Display system	Using Siemens PLC touch screen smart 700, display operating status, cabinet pressure, system records, etc.
Vacuum system control	British EDWARDS vacuum pump, can be started manually or through PLC, flow rate 12m3 / h, can vacuum the transition chamber, and maintain the tank pressure balance, vacuum pump limit vacuum≤2x10-1pa
situation	
Oxygen analyzer	Measuring range: 0 ~ 1000ppm
alialyzer	The ZrO2 sensor avoids the problem that the fuel cell has a short life and cannot be exposed to the air

Water analyzer	Measuring range: 0~500ppm platinum electrode structure (P2O5 structure, which can be cleaned to the factory level by simple cleaning). Wide range of applications, especially for lithium battery manufacturing and metal organic users, can restore the initial state through the cleaning regeneration program. Avoid the problem of scrapping once a pollution.
Increase the organic solvent adsorber	Dimensions: diameter 238mm, height 407mm, material 3mm thick 304 stainless steel. Installed on the circulation line.

PRODUCT DISPLAY



