

Glove Box



TOB-MRX-1220 Glove box is a stainless steel glove box designed for researches in material science, chemistry, semiconductor, and related topics.

- Brand:TOB NEW ENERGY
- Item No.:TOB-MRX-1220
- Order(Moq):1
- Payment:L/C,T/T,Western Union
- Product Origin:China
- Shipping Port:XIAMEN
- Lead Time:7

Product Detail

Large Glove Box (122W x 90H x 76D cm) with Gas Purification System and Digital Control System

SPECIFICATIONS

TOB-MRX-1220Glove box is a stainless steel glove box designed for researches in material science, chemistry, semiconductor, and related topics. It achieves a low water and oxygen concentration of lower than 1ppm, such that experiments can be conducted in a ultra-clean and highly purified gas environment.

Theglove boxis integrated with vapor pressure control system, purity control system, automatic gas purity regeneration control system, and system data log recording. This glove box is widely used in preparing nano materials, Li-ion battery materials, catalysts, and metallorganics.

Model	Glove box TOB-MRX-1220
Working Voltage	110-220V AC, 50/60Hz, Single Phase
Glove Box Chamber	Case Material: Stainless Steel 304 with 3mm thickness Dimensions: 1220mm(L) x 760mm(W) x 900mm(H) Removable Front Window Panel
Chamber Condition	Water concentration: <1 ppm (20°C, 1 atm) Oxygen concentration: <1 ppm (20°C, 1 atm)
Leak rate	<0.05 Vol% / hr (Depending on oxygen concentration inside the glove box)
Air-lock Chamber	Antechamber Dimensions: 360mm(Dia.) x 600mm(L) Small Chamber Dimensions (for tools): 150 mm(Dia.) x 300mm(L)
Working Gas	Operating gas: Inert gas such as N ₂ , Ar, He Regenerating gas: Mixture of H ₂ (5-10%) and Operating gas For purification system with only water adsorbing function, Regenerating gas will be the same as Operating gas
Gas Purification System	Automated Regeneration Process Automated water and oxygen removal
Filter System	Inlet and Outlet filter can eliminate particle size > 0.3µm
Pressure Control System	Automatic pressure control by PLC for the Glove Box Chamber Pressure Range: +/- 12mbar Manual pressure control is allowed via a foot pedal

Purging System	Automatic Purging System allows easy operating and reduce gas consumption
Control system	Siemens PLC control system with 6" touch screen display Water concentration: 0 - 1000 ppm with an accuracy of 0.1 ppm Oxygen concentration: 0 - 1000 ppm with an accuracy of 0.1 ppm Pressure: -2500 to 2500 Pa with an accuracy of 1 Pa
Data	Automatic system data logging
Pump	England RV-8 EDWARDS pump is included for faster vacuum and removing moisture Vacuum rate: 8 m³/hr
Purification Pipeline	304 Stainless Steel, KF40 and KF25 Port
Gloves	A pair of 9 3/4" butyl glove is included for immediate use
Lighting	Built in fluorescent lamp
Product Dimensions	2300mm(L) x 1500mm(W) x 1900mm(H) (91" x 59" x 75")
Warranty	One Year limited warranty with lifetime support

PRODUCT DISPLAY



