

## Double Station Split Single Sided Glove Box With Auto Purging And Gas Purification

### Our Product Introduction

#### Basic Information

- Place of Origin: China
- Brand Name: MRBEST
- Certification: CE
- Model Number: MR-Lab2000-1800
- Minimum Order Quantity: 1 Set
- Price: Negotiable
- Packaging Details: Standard Export Wooden Packing
- Delivery Time: 7-30 working days
- Payment Terms: T/T, Western Union, MoneyGram
- Supply Ability: 500 sets per month

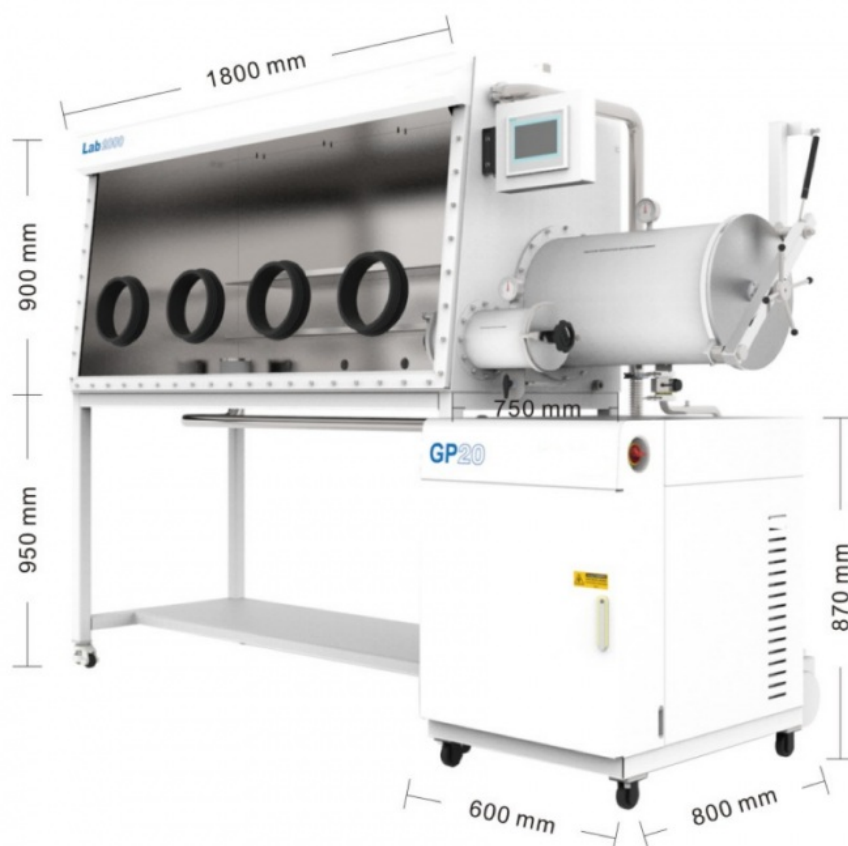


#### Product Specification

- Name: Lab2000-1800 Double Station Split Single-sided Glove Box
- Power Supply: 110 - 220V AC, 50/60Hz, Single-phase
- Glovebox Box: 304 Stainless Steel, Thickness 3mm
- Environment Of Box Inside: H<sub>2</sub>O <1 Ppm O<sub>2</sub> <1 Ppm
- Antechamber: Φ360mm (Dia.)x 600mm(length)
- Mini Chamber Size: Φ150 Mm(Dia.) X 300mm(L)
- Highlight: **Double Station Single Sided Glove Box, Split Single Sided Glove Box**

## Product Description

### Lab2000-1800 Double Station Split Single-sided Glove Box With Auto Purging And Gas Purification



**Model:** MR-Lab2000-1800×7

This Inert Controlled 1800 Double Station Split Single-sided 4 Glove Glovebox System are complete standalone systems integrated with entire functional components. They are able to create an inert environment with less than 1 ppm of H<sub>2</sub>O and O<sub>2</sub>. The systems are modulated with antechambers, removable windows, adjustable trays, lighting units, adjustable shelves, and gloves, which meet most of the operational needs in the glovebox. The systems are made of welded stainless steel and are equipped with highest-quality components. We also provide optional components to meet your special requirements.

Lab2000 glove box is a set of high-performance, high-quality closed-loop working system that automatically absorbs water and oxygen molecules and purifies the working environment, providing an inert atmosphere of O<sub>2</sub> and H<sub>2</sub>O ≤ 1 ppm that can meet your specific cleaning requirements. This system is an economical circulating purification system designed to meet customers' research and development.

### Features

- Glove box with all-welded stainless steel design
- All stainless steel pipework
- Removable front window as an entry for large equipment
- Purifier regeneration frequency once per year
- Automatic antechamber control
- Main antechamber plus mini antechamber
- Vacuum pump for antechambers
- Oxygen Analyzer and Moisture Analyzer
- Auto purge function
- User friendly and simple operation: Color LCD touch panel and PLC controller
- Energy-Save mode, automatically reducing power consumption by up to 90% during idle periods
- Automatic regenerable H<sub>2</sub>O/O<sub>2</sub> purifier
- Attainable purity O<sub>2</sub> < 1 ppm, H<sub>2</sub>O < 1 ppm (dew point also available for moisture reading)
- Industry leading low leak rate of < 0.05% Vol/hour at -10 mbar condition
- Stainless steel encapsulated blower with frequency converter
- Circulation capacity more than 84 m<sup>3</sup>/h (50 cfm) at ΔP = 60 mbar (60 Hz)
- Compatible with world-wide voltage standards
- Integrated high vacuum feedthrough

## Technical Parameters

Chamber	
Description	Material: Stainless steel 1.4301 (SUS type 304); Thickness 3 mm; Dimensions: 1800mm(70.8") x 900mm(35.4") L x W x H
Volumn	1.2 m <sup>3</sup> (42.4cu)
Front window	Panel: 8 mm thick safety tempered glass or 10 mm thick polycarbonate (optional); Dimensions: 1735mm (68.3") x 839mm (33.0") L x H
Glove port	Hard aluminum alloy material or polyoxymethylene material (optional); Glove port diameter: 220 mm(8.7"); O-ring seal
Gloves	Material: Butyl rubber; Thickness: 0.4 mm or 0.8 mm (available for selection)
Filter	Outlet and inlet filters, filter rate<0.3μm
Illumination	LED lighting is located on the top of the front window
Leak rate	Final acceptance test according to the standard of leakage rate <0.001 vol% / h
GP20 Gas Purification System	
Description	Automatic removal of H <sub>2</sub> O and O <sub>2</sub> ; single purification column system, automatic regeneration (optional GP200 double purification column); closed gas circulation line
Use voltage	AC 230 V / 50-60 Hz, 10 A or AC 115 V / 50-60 Hz, 20 A (Available for selection)
Working gas	Working gas : N <sub>2</sub> , Ar , He(purity≥99.999%) ; Regeneration gas : H <sub>2</sub> accounts for 5% -10%, the rest is working gas (purity ≥99.999%)
Vacuum pump	Specifications: Rotary vane vacuum pump, equipped with oil mist filter, with gas ballast control; flow rate: 12 m <sup>3</sup> / h (7 cfm), vacuum degree < 2 x 10 <sup>-3</sup> mbar (dry pump optional)
Circulation unit	Oil-free high-speed fan; air volume: 0-100 m <sup>3</sup> / h (0-59 cfm)
Valve	Electromagnetic high vacuum valve
Leak rate	Final acceptance test according to the standard of leakage rate <0.001 vol% / h

## Accessories List

			
Oxygen analyzer 1 pcs	Dew analyzer 1 pcs	Oil mist filter 1 pcs	Bellows hose 3 pcs
			
Gloves 4 pcs	Edward vacuum pump 1 pcs	Clamps 7 sets	Glove seal rings 8 pcs



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