

# Vacuum Glovebox with Gas Purification System

This vacuum glovebox maintains H<sub>2</sub>O and oxygen levels below 1ppm. It features a gas purification system and a leakage rate of  $\leq 0.05\text{vol\%/h}$ , providing a controlled environment.



## Overview

### Professional Controlled Environment Solution

This vacuum glovebox with a gas purification system provides a highly controlled, contamination-free workspace ideal for sensitive materials handling. Featuring a robust stainless steel cabinet and a high-performance inert gas purification unit, it ensures low oxygen and moisture levels throughout the process. The system includes an intuitive touch-screen interface and automated data logging, making it a reliable tool for demanding research and industrial applications.

## Technical Specifications

### Dimensions (Length x Width x Height)

- 1220 x 750 x 900 mm
- 1500 x 1000 x 900 mm
- 1800 x 1200 x 900 mm
- 2400 x 1200 x 900 mm

### Construction Materials

Stainless Steel Cabinet, Tempered Glass Window, Polycarbonate Window, Stainless Steel Pipeline

## Control & Automation

### Micro-controller

Advanced micro-controller with touch-screen operation

### Data Logging

Yes

## System Components

### Core Components

- Inert gas purification system
- High-efficiency HEPA filter
- Vacuum pump system
- Pressure control pedal

### Gas Cycle

Closed gas cycle (oil-free and vacuum)