

# Laboratory Glove Box with Vacuum Pump

This glove box is a sealed container designed for manipulating objects in a separate, controlled environment. It provides a controlled atmosphere and is often used in chemistry, biology, and materials science for handling sensitive materials.



## Overview

### High-Performance Laboratory Glove Box

This single-workstation laboratory glove box provides a secure, controlled environment for handling sensitive materials in chemistry, biology, and materials science applications. It features an integrated gas purification system and an automated vacuum pump, ensuring optimal atmospheric purity. With its PLC-controlled touchscreen interface and ergonomic design, this system offers precise control over internal conditions while maintaining safety and efficiency.

## Technical Specifications

### Atmospheric Purity

**1 ppm**

H<sub>2</sub>O Level

**1 ppm**

O<sub>2</sub> Level

### Standard Operating Conditions

Parameter	Value
Constant Temperature	200°C
Atmospheric Pressure	1 atm
Relative Humidity (RH)	65%

### Pressure Control Range

10 mbar

## Features

### Control & Automation

- PLC controller with touchscreen interface
- Automated in and outward transfer
- Automatic box purging
- Automatic data logging
- Footswitch pressure regulation

### Design & Construction

Single Workstation, Inclined Operation Sides, Replaceable Sight Glass, Closed Loop Circulation, Vacuum Tight, Oil-Free