

Controlled Environment Glove Box with Transfer Chamber

This specialized glove box is designed for controlled environment applications. It features multiple glove ports, a viewing window, an integrated control system, and a transfer chamber.



Overview

High-Performance Controlled Environment Solutions

This controlled environment glove box offers precise atmospheric management with oxygen and water levels maintained below 1 ppm. Designed for high-stakes research and industrial applications, the system features a centralized closed-cycle gas circulation and an oil-free vacuum system to ensure complete isolation. The unit is highly customizable to include heating, cooling, and specialized filtration systems to meet specific operational requirements.

Performance Metrics

Atmospheric Purity

1 ppm

Max O₂/H₂O Content

Pressure Control Range

10 mbar

Technical Features

Core System Capabilities

- Central closed-cycle gas system
- Oil-free vacuum operation
- Automatic box cleansing
- Automated pressure regulation
- Data recording system

Customization Options

Integrated Refrigerator, Heating System, Organic Solvent Absorber, Micro-projector, Vacuum Furnace, Low Temp Vessels

Interface & Control

Operational Interface

- Touch screen control panel
- Footswitch for pressure adjustment
- Automated data logging