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## Item 21-259

### Used VAC OMNI-Lab Single Length Glovebox, Purifier, H2O & O2 Analyzers

Price: Make Offer

The used *Vacuum Atmospheres Company OMNI-Lab* is a 2port Stainless. The glove box is immaculate with a high capacity catalyst bed for removal of H<sub>2</sub>O & O<sub>2</sub>. Gloves and vacuum pump for operation and are not included. KF 40 feedthrus can be added. **90 day warranty on parts.**



## Specifications:

**Description:** The OMNI-LAB provides a complete single workstation Glove Box System with integrated purifier, controls, display and stand.

**Glovebox:** Single Sided and Single Length (2 Port). 45" width X 30" deep X 36", stainless steel construction with removable end panels. Full view LEXAN front panels, with aluminum glove ports. Standard interface penetrations on end panel opposite antechamber include four 1/4-inch NPT female feedthrus. One 2 dual electrical junction box inside of glovebox.

**Stand:** Powder coated steel construction; supporting the glovebox, gas purification system, instrumentation and controls. Stand has height levelers and casters. The stand ships in sections and is easily assembled during system installation.

**Gas Purification System:** Single Purifier with touch screen control, single speed blower and manual isolation valves mounted on top of glovebox. 20 liters of O<sub>2</sub> and 2.3 Kg of H<sub>2</sub>O absorption capacity (per mfg. specs.) Purification system offers equivalent performance to larger systems. Designed for Low-PPM O<sub>2</sub> & H<sub>2</sub>O equilibrium. Includes standard 0.3-micron outlet filter on purification system.

**Analyzer Assy, Oxygen:** with LCD display, calibration system and electrolytic fuel cell. Monitors and displays the glovebox levels from 0.1 PPM to 25% oxygen.

**Analyzer Assy, Moisture:** with Aluminum oxide probe. Monitors and displays the glovebox levels to 0.5-ppm moisture (-80°C dew point).

**Fluorescent Light:** 30 watts with reflector, fixed over the LEXAN window.

**Antechamber:** 15" diameter X 24" long, aluminum, mounted on right end panel. Manual Antechamber ball valves for evacuation and refill. Stainless steel domed doors with an over center clamping handle and counterweighted balance for easy yet reliable operation.

**Instrumentation and Control:** Industrial PLC that monitors and controls the complete OMNI-LAB system through an easy to use menu driven interface controlled via an operator touch screen graphical display. Built in programmed control of purifier regeneration, and lab pressure. Built in system diagnostics.

**Shelves:** Two sets of three adjustable shelves, 8 inches deep X 24 inches wide (203 X 610 mm).

**Glove Box Purge:** Manual 1 1/2" Ball Valve.

**Power:** 115 or 230VAC, 50/60 Hz Operation

**Note: Vacuum pump and gloves are required and not included**





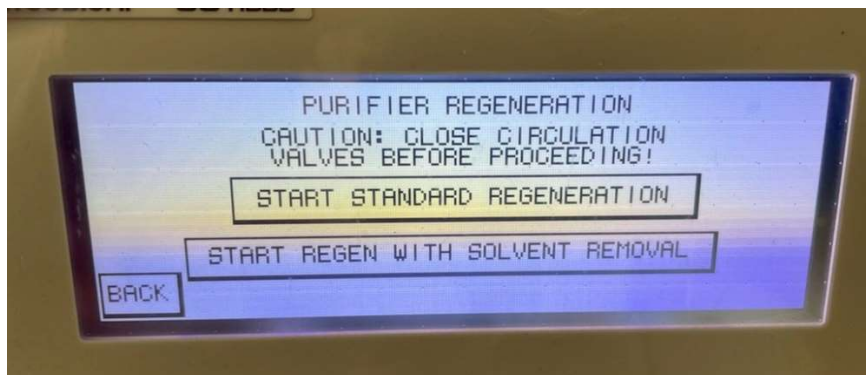
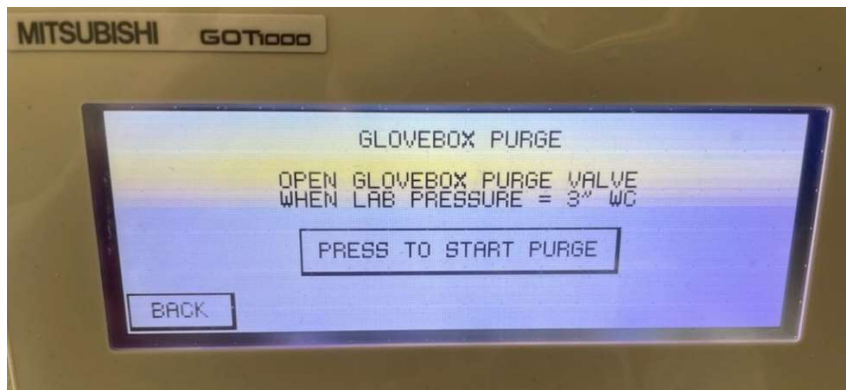
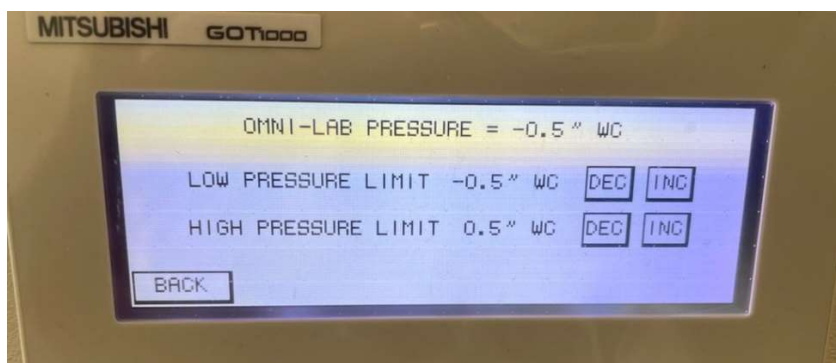
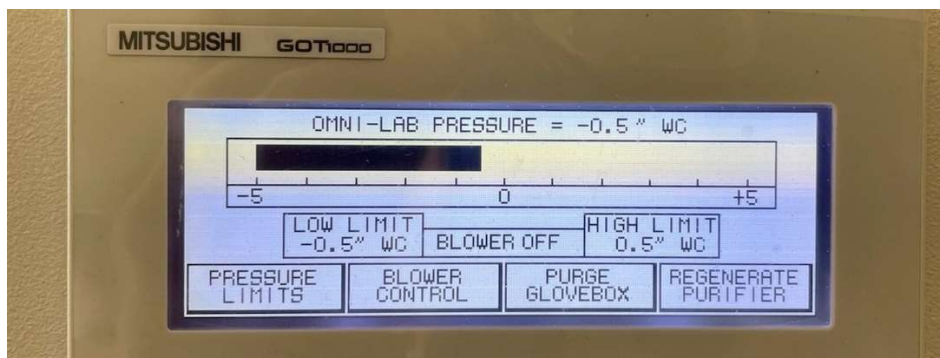


**Large catalyst bed with high capacity for O<sub>2</sub> & H<sub>2</sub>O removal**



Control Panel

















**KF 40 Feedthrus can be added**









**VAC**

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MODEL: **OMNI-LAB** PART NO.: **101965** S/N: **1091**  
VOLTAGE: **110** DATE OF MFG.: **04/25/12**  
AMP: **10** PRESSURE LIMIT: **+ 10" H<sub>2</sub>O**  
HZ.: **60** VACUUM LIMIT: **-10" H<sub>2</sub>O**



CONFORMS TO  
**UL STD. 61010A-1**  
CERTIFIED TO  
**CAN/CSA STD.**  
**C22.2 NO. 1010.1**

**LEAK TESTING CERTIFICATION**

- SYSTEM AT FULL VACUUM AND DETECTOR SENSITIVITY OF  $3 \times 10^{-8}$  CC/SEC.
- SYSTEM AT 8 IN. WATER COLUMN POSITIVE PRESSURE AND HELIUM SNIFF PROBE WITH DETECTOR SENSITIVITY OF  $1 \times 10^{-5}$  CC/SEC. NO DETECTABLE DROP IN WATER COLUMN PRESSURE OVER A PERIOD OF 30 MINUTES WAS OBSERVED.

On-site installation assistance and training is available for an extra charge. Free tech support is included by phone or email for as long as you own the system.