



**3970424 Purifier  
Vertical Clean  
Bench with UV  
Light**



# LABCONCO 3970424 Purifier Vertical Clean Bench with UV Light Owner's Manual

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**LABCONCO 3970424 Purifier Vertical Clean Bench with UV Light**



## Specifications

- **Weight:** 195.0 lbs (88.0 kg)
- **Dimensions:** 48" w x 28.6" d x 36.8" h
- **Electrical:** 230V, 50/60 Hz, 3 A
- **Built-in Options:** Airflow monitor, UV Light
- **Laminar Flow:** Vertical
- **Nominal Width:** 4'
- **Region:** International
- **Conformance:** CE
- **Power Cord & Plug:** 230V, 10A, no plug

## Product Information

The Purifier Vertical Clean Bench with UV Light, Protection Panel, and Airflow Monitor is designed to provide a clean and controlled workspace for various laboratory applications. It features a laminar flow design and built-in options for monitoring airflow and UV light sterilization.

## Features

- Built-in Guardian Airflow Monitor
- 254 nm UV lamp with 3-way switch
- Protection panel interlocked with the UV lamp
- Available in various widths
- International electrical configurations

## Product Usage Instructions

### Setting Up the Clean Bench

1. Place the clean bench in a suitable location with proper ventilation.
2. Ensure the power cord is compatible with the electrical supply.
3. Adjust the height of the bench if needed using the Adjustable Height Base Stands.

### Operating the Airflow Monitor

The built-in Guardian Airflow Monitor continuously monitors the downflow airflow. The LED lights indicate whether the airflow is within the set point range or not.

### Using the UV Light

The 254 nm UV lamp can be controlled using the 3-way switch. Choose between fluorescent, UV, or turning it off. The protection panel ensures safety by closing the sash opening when the UV lamp is in use.

**View online:** <https://www.labconco.com/product/4-purifier-vertical-clean-bench-with-uv-light-protection-panel-and-air-2/1589>

### Overview

Purifier Vertical Clean Benches direct HEPA-filtered air downward over the work area to provide ISO Class 5 conditions and protect your work from particulate contamination. Applications for clean benches include pharmacy compounding, plant tissue culture, media plate preparation, electronics inspection, medical device assembly and more. Because they do not provide protection to the user, Vertical Clean Benches should not be used in conjunction with biohazardous material, toxins or radionuclides. Purifier Vertical Clean Benches are available in 2', 3', 4' and 6' widths. Labconco also offers Purifier Horizontal Clean Benches that direct HEPAfiltered air horizontally over the work area and Purifier Filtered PCR Enclosures, which are specialized vertical clean benches designed for polymerase chain reactions.

### Specifications

- **Weight:** 195.0 lbs
- **Weight metric:** 88.0 kg
- **Dimensions:** 48" w x 28.6" d x 36.8" h
- **Electrical:** 230V, 50/60 Hz, 3 A
- **Built-in Options:** Airflow monitor, UV Light
- **Laminar Flow:** Vertical
- **Nominal Width:** 4'
- **Region:** International
- **Conformance:** CE
- **Power Cord & Plug:** 230V, 10A, no plug

### Description

#### Features

- Nominal downflow velocity of 45-65 fpm
- Aerodynamic air foil

- Supply HEPA filter, 99.99% efficient on particles 0.3 micron
- ISO Class 5 air (formerly Class 100 per Federal Standard 209E)
- Disposable prefilter
- Variable speed built-in blower with motorized impeller and solid state control rated for 10 amps
- Intrinsically-safe, negative pressure design
- Mini-helic pressure gauge
- Air diffuser
- UV-resistant, glacier white and gray, powder-coated aluminum and steel construction
- UV-opaque and resistant 1/4" thick tempered safety glass sash and sides
- Fluorescent lamp
- Light and blower switches
- 9.4" high sash opening
- Ergonomic 10° angled and hinged sash that pivots upward, locks to a loading height of 20" and has wiping seals to promote ISO Class 5 conditions
- Two utility ports with iris openings and plugs
- ETL Listing (115 volt, 60 Hz models)
- One year warranty on parts and service

## **Options**

- Built-in Guardian Airflow Monitor that continuously monitors downflow airflow and has two LED lights to indicate when airflow is within or outside set point range. 254 nm UV lamp with 3-way switch (fluorescent, UV and off) and protection panel interlocked with the UV lamp that closes the sash opening 2', 3', 4' and 6' widths
- International electrical configurations

## **Required Accessories**

- Supporting work surface. See Solid Epoxy Dished Work Surfaces
- Supporting base. See Adjustable Height Base Stands

## **Optional Accessories**

- General Accessories
- IV Bar Kit

## **Compliance**

- UL Standard 3101-1/61010-1 (115 volt models)
- CAN/CSA Standard C22.2 No. 1010.1 conformity (115 volt models)
- CE Conformity marking (230 volt models)

## **For Product Assistance**

1. [International Customer Service](#)

## 2. [Eric Liu](#)

Regional Sales Manager, Asia

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- Phone: [816-333-8811](tel:816-333-8811)

## FAQ


### Q: Can I use this clean bench for PCR applications?

A: While this model is primarily a vertical clean bench, Labconco offers specialized Purifier Filtered PCR Enclosures for polymerase chain reaction applications.

### Q: What are the electrical requirements for this clean bench?

A: The clean bench operates on 230V power supply at 50/60 Hz with a current rating of 3 A. The power cord does not come with a plug.

## Documents / Resources

	<p><a href="#">LABCONCO 3970424 Purifier Vertical Clean Bench with UV Light</a> [pdf] Owner's Manual 3970424 Purifier Vertical Clean Bench with UV Light, 3970424, Purifier Vertical Clean Bench with UV Light, Vertical Clean Bench with UV Light, Bench with UV Light, UV Light, Light</p>
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## References

-  [TCPDF](#)
-  [4' Purifier Vertical Clean Bench with UV Light, Protection Panel and Airflow Monitor - Labconco](#)
-  [International Customer Service - Labconco](#)
-  [Eric Liu - Labconco](#)
- [User Manual](#)

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