



**3970423 Purifier
Vertical Clean
Bench with
Airflow Monitor**



LABCONCO 3970423 Purifier Vertical Clean Bench with Airflow Monitor Owner's Manual

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LABCONCO 3970423 Purifier Vertical Clean Bench with Airflow Monitor



Product Information

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
- **Laminar Flow:** Vertical
- **Nominal Width:** 4'
- **Region:** International
- **Conformance:** CE
- **Power Cord & Plug:** 230V, 10A, no plug

Description

The Purifier Vertical Clean Bench with Airflow Monitor is designed to provide a clean and controlled work environment for various laboratory applications. It comes in a 4' width size and features a built-in Guardian Airflow Monitor for continuous monitoring of downflow airflow.

Features

- Guardian Airflow Monitor with LED lights
- 254 nm UV lamp with 3-way switch
- Available in different widths
- International electrical configurations

Options

- Supporting work surface
- Adjustable Height Base Stands

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)

Contact Information

If you need any product assistance, you can contact Labconco Corporation at the following address:

- Labconco Corporation 8811 Prospect Avenue Kansas City, MO 64132-2696
- **Phone:** [816-333-8811](tel:816-333-8811)

View online: <https://www.labconco.com/product/4-purifier-vertical-clean-bench-with-airflow-monitor-2/1587>

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
- **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-sound, 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 monitor 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

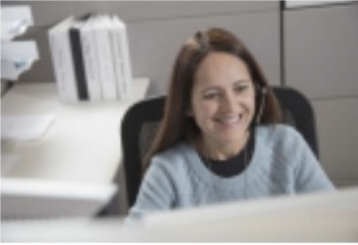
Optional Accessories

- 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



• [International Customer Service](#)



• [Eric Liu](#)

Regional Sales Manager, Asia

SCAN THE QR CODE



- Labconco Corporation 8811 Prospect Avenue Kansas City, MO 64132-2696
- Phone: [816-333-8811](tel:816-333-8811)

FAQ

Q: What is the purpose of the Guardian Airflow Monitor?

A: The Guardian Airflow Monitor continuously monitors downflow airflow and indicates when the airflow is within or outside the set point range, ensuring a controlled environment.

Q: Can the UV lamp be turned off?

A: Yes, the UV lamp has a 3-way switch that allows you to choose between fluorescent, UV, or turning it off completely.

Q: Are there different sizes available for the Purifier Vertical Clean Bench?

A: Yes, the Purifier Vertical Clean Bench is available in 2', 3', 4', and 6' widths to suit different laboratory needs.

Documents / Resources



[LABCONCO 3970423 Purifier Vertical Clean Bench with Airflow Monitor](#) [pdf] Owner's Manual

3970423 Purifier Vertical Clean Bench with Airflow Monitor, 3970423, Purifier Vertical Clean Bench with Airflow Monitor, Vertical Clean Bench with Airflow Monitor, Airflow Monitor, Monitor

References

- [PDF](#) [TCPDF](#)
- [4' Purifier Vertical Clean Bench with Airflow Monitor - Labconco](#)
- [International Customer Service - Labconco](#)
- [Eric Liu - Labconco](#)
- [User Manual](#)

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