4' Purifier Logic+ Class II A2 Biological Safety Cabinet with 8" sash opening, UV Light, Service Fixture and Vacu-Pass Portal

LABCONCO

Catalog Number: 302481001

Overview

Purifier Logic+ Class II, Type A2 Biosafety Cabinets provide personnel, product and environmental protection from hazardous particulates such as agents that require Biosafety Level 1, 2 or 3 containment. Other appropriate applications include work with antineoplastic drugs, genetic material, asbestos and additional substances that generate hazardous airborne particulates. All models are NSF-Listed.

These biological safety cabinets are designed to discharge HEPA-filtered exhaust air directly into the laboratory, or into an exhaust system through the optional Canopy Connection. When canopy-connected, the biosafety cabinets may be used for applications involving minute quantities of volatile toxic chemicals and tracer amounts of radionuclides as an adjunct to microbiological research.

VIEW THE BSC MANAGEMENT EBOOK **or** SEE OUR SUSTAINABILITY INITIATIVES

During operation, room air is drawn into the inlet grill. The air in the plenum beneath the work surface is a mixture of unfiltered room air and air that has just passed through the work area. This contaminated air is drawn by the blower through the back plenum of the cabinet, where approximately 70% of the air is recirculated through the supply HEPA filter and back over the work area. The balance of the contaminated air is discharged to the environment after passing through the exhaust HEPA filter.

Specifications

- **Weight:** 585.0 lbs
- **Weight metric:** 265.4 kg
- **Dimensions:** 54.3" w x 31.2" d x 61.7" h
- **Dimensions metric:** 137.9 x 79.2 x 156.7 cm
- **Electrical:** 115V, 60 Hz, 12A
- **Product Subcategory:** Class II, Type A2 Biological Safety Cabinets
- **Nominal Width:** 4'
- **Protection Type:** Product and Personnel
- **Nominal Sash Opening:** 8" (20 cm)

- **Built In Options:** Cord, Cable & Tubing Portal, UV Light, Valves (Air, Vacuum, etc.)
- **Region:** U.S. and Canada
- **Base Stand:** Required (not included)
- **Conformance:** ADA, CAN/CSA C22.2, ETL, NSF 49, UL
- **Exhaust Volume:** 319-396 CFM (with optional canopy)
- **Lighting:** LED, Ultraviolet
- **Power Cord & Plug:** North America, 115V, 15A
- **Service Fixtures:** One

Description

Features (All Models)

- Electronically Commutated Motor (ECM)
- Constant Airflow Profile (CAP) airflow monitoring system
- Intrinsically-safe negative pressure design
- Air-Wave™ Entry System
- Contain-Air™ Negative Pressure Channel
- Supply and exhaust 99.99% efficient HEPA filters. 99.999% efficient ULPA filters available
- Interior-mounted, line-of-sight color LCD with MyLogic OS. Displays filter life, status messages for alarm conditions and alerts. 8 languages available
- Bright, 90-150 footcandle, glare-free LED lighting located outside the contaminated work area
- Fully-closing, clear 1/4" tempered safety glass sash
- Curved stainless steel inlet grille with Reserve-Air Secondary Airflow Slots
- Two electrical duplex receptacles. Flush-mounted-stainless steel with dampened hinges. Single outlets on 230V models. One outlet on each side, with ground fault interruption (115V)
- Smart-Start™ System user-programmable start up & shut down
- Night-Smart™ System reduces blower speed when sash is closed
- Leak-tight stainless steel interior & powder-coated steel exterior
- Removable towel catch located under work surface
- Code-activated electronic security lock
- 22.6" (57 cm) max. sash opening & 27.0" (69 cm) viewing height
- 10° Angled sash with counterbalanced, easy lift mechanism
- ADA-Compliant touchpad control on right side post
- Noise level <63 dBA
- Heat load 990 BTU/hour (4' models)
- Removable, seamless type 304 stainless steel, dished work surface with lift out knobs
- Nominal inflow velocity of 105 fpm (0.5 m/sec)
- Nominal downflow velocity of 55 fpm (0.3 m/sec)
- Approximately 70% air recirculation
- Overall depth x height: 31.2" x 61.7" (79.2 x 156.7 cm)
- 10' (3 m) power cord with plug
- Built-in timer and digital clock
- Five year warranty

Required Accessories (Not Included)

- Supporting base if non-welded stand option is not selected

Options

- 3', 4', 5', and 6' widths
- International electrical configurations
- Non-welded, NSF-Approved, powder-coated steel telescoping base stand with fixed feet
- Accessory Package: 254 nm UV lamp, ADA-compliant service fixture(s) with ball-type valve(s), and NSF-Approved Vacu-Pass™ Cord & Cable Portal
- Cell Logic+ packages specifically designed for use with microscopes and temperature-sensitive samples
- Ventus Canopy Connection

Compliance

- ETL listed
- NSF International listed
- ADA-compliant (height of controls and receptacles)
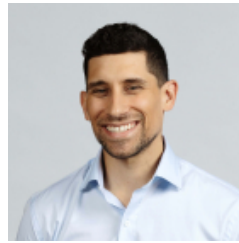- CE Conformity marking (230V models)

- ISO 5 conditions per ISO 14644-1 and 2

For Product Assistance

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