



Air Science® Purair® BIO Biological Safety Cabinet Class II Type A2, 3' with Base Stand

Description: The Purair® BIO biological safety cabinet is designed to protect individuals, the environment, and products from a variety of biological particulates. These cabinets are suitable for working with biosafety level 1-3 agents, maintaining negative pressure inside the cabinet during operation to prevent contaminants from escaping the work area. Purair BIO cabinets provide ample workspace with environmentally sound operation, low energy consumption, and user-friendly operation.

An optional exhaust collar may be added which allows the Purair BIO to be connected to a facility exhaust ventilation system.

****Note:** Base stand included. Base stand comes with leveling feet and adjusts from 22" – 33.8" in height.

Features:

- **Energy Efficient:** The quiet, internal EC Brushless DC Motor always ensures sufficient airflow across the work surface while saving up to 86% over traditional PSC motors.
- **Standard Control System:** Includes simple, reliable membrane-style switches and an easy-to-read gauge for safety and durability.
- **HEPA Filtration Lock:** The patented Quick Access HEPA Filtration System allows filter changes to be performed from the front of the cabinet by a single person without tools.
- **Paper Catch:** Protective screen located at the bottom of the rear air return plenum prevents wipes and other paper products from being drawn into the blower system.

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- **Double-Wall Plenum Design:** Double-wall design creates a unique plenum which surrounds contaminated areas with negative pressure, preventing the possibility of contamination from leaks in filter seal, gasket, or cabinet structure.
- **Air Velocity:** The air velocity and associated correction factors are preset at the factory to meet regulatory requirements and ensure operator safety.
- **Surround Air Intake Grille:** All contaminated air is enclosed in the work area. No safety dead zone.
- **Outlet:** Outlets are installed in the work area to guard against electrical shock.
- **Durable Interior:** The Purair BIO utilizes a heavy-gauge, one-piece liner with coved corners for enhanced durability.
- **Ergonomic Fit:** The angled front, narrow-front grille, and frameless sash create an ergonomic work environment. The stainless-steel elbow/arm rest provides ergonomic forearm support to prevent grille blockages and improve posture.
- **Safe:** Includes HEPA filters tested to a typical efficiency of >99.99% for 0.3 micron particulates.
- **Safety Interlock Feature:** Activates the fan and fluorescent light in the cabinet automatically when the sash window is opened.

Technical Specifications:

Weight (Kg/lb)	463.0 / 210.0
External dimensions, w x d x h (cm/in) *includes adjustable base stand	103.4 x 78.9 x 209.7 – 239.7 / 40.7 x 31.1 x 82.6 – 94.4
Electrical	115 V, 60 Hz
Blower	EC brushless DC Motor
Lighting	Fluorescent
Electrical outlets	2
Airflow	Vertical
Average inflow velocity (m/s /fpm)	0.51 / 100
Average downflow velocity (m/s /fpm)	0.325 / 64
Exhaust air volume with exhaust canopy (cfm)	353 (10 m ³)
Noise (dBA)	<58
Internal height (cm/in)	70.9 / 28.0
Sash height (cm/in)	25.0 / 9.8
Conformance	EN 12469 IEC 61010-1 UL-C-61010-1

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	CAN/CSA C22.2 61010-1-12 EN 61010-1 :2010 CE Mark
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Associated Products:

- Exhaust Canopy: 5696 – Air Science® Purair® BIO Canopy, 3'

Warranty: Limited Legacy Lifetime

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