Logic® Class II, Type A2 Biosafety Cabinets

Features & Benefits



Class II Airflow
Provides Personnel, Product, and Environmental protection from hazardous pathogens and particles.

Type A2
- Approximately 70% Recirculated, 30% Exhausted
- Recirculating or Canopy Ducted

NSF 49 Listed
Each Labconco Class II BSC exceeds globally recognized performance and construction requirements.

Unitized Construction
A welded 304 stainless steel cabinet hull, dished work surface, and solid steel plenum are built to last.

Long-Life HEPA Filters
Dual filters are 99.99+% efficient (at 0.3 microns), providing ISO Class 5 or better air.

Sustainable Design
Each cabinet is constructed with more than 70% recycled materials. An ECM motor and LED lighting consume as little as 150 watts.

Inclination Technology
A sloped sash, curved airfoil that functions as armrest, large working area, and eye-level display maximize comfort.

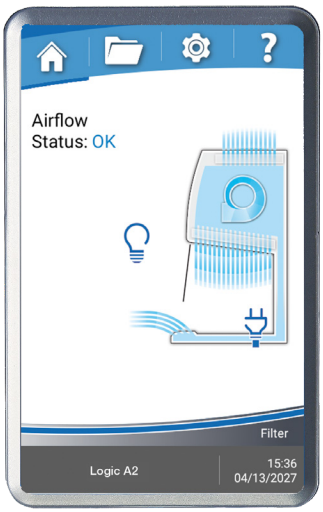
Logic OS
Conveniently displays all cabinet information on a bright 5" line-of-sight touchscreen.

Constant Airflow Profile™ (CAP)
Continuously monitors and maintains safe inflow and downflow to protect users and samples.

Advanced ECM Blower
Combined with CAP™ technology, reduces energy consumption and noise, improving user comfort and safety.

Mag-Zone™ Area
Unique storage area organizes your BSC and improves cleanability. Holds multiple accessories for pipettes, biohazard waste, and more.

Effortless Disinfection
304 stainless steel interior withstands routine disinfection. Coved corners and dished work surface are easily cleanable.



Logic OS Information Center

Touchscreen Display
Large 5" screen clearly visualizes cabinet conditions for effortless monitoring of cabinet behaviors.

Filter Life Indicator
Accurately displays remaining HEPA filter life. Alerts users at 20% and 10% before alarming at 0%.

Airflow Status
Displays current status of airflow within cabinet for consistent confirmation of safety.

Smart-Start™
Automatically start and stop your cabinet blower and lights by simply moving the sash.

Night-Smart™
Keeps the cabinet interior clean between uses with minimal energy use.

Alerts & Alarms
Large, clear visual and audible signals notify users of unsafe cabinet conditions.

User Convenience
Logic OS includes a programmable experiment and UV light timer, data logging and a full certification menu.

Data Logging & Connectivity
Export system data logs and records via USB, or connect to Logic OS remotely for 24/7 cabinet monitoring with Remote Communication Board accessory.

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Ordering Information

Catalog Number Configurator:

Use this key to configure the nine digit catalog number to order your Logic or Cell Logic Class II, Type A2 Biosafety Cabinet.

3 ☐ 2 ☐ ☐ ☐ ☐ ☐ ☐

Select **CELL LOGIC PACKAGE(S)**. This is the second digit of your catalog number.

0 = None

2 = Temp-Zone. Fifth digit is 9 and sixth digit is 1

3 = Scope-Ready. Fifth digit is 9 and sixth digit is 1

4 = Temp-Zone and Scope-Ready. Fifth digit is 9 and sixth digit is 1

Select the **WIDTH** of your cabinet. This is the fourth digit of your catalog number.

3 = 3' **4** = 4' **5** = 5' **6** = 6'

Select the **SASH OPENING HEIGHT**. This is the fifth digit of your catalog number.

1 = 10" (25.4 cm) **2** = 12" (30.5 cm)

8 = 8" (20.3 cm) **9** = 9" (22.9 cm) - Cell Logic only

Select the **ACCESSORY PACKAGE** option. This is the sixth digit of your catalog number.

0 = None

1 = Includes factory-installed right-side service fixture, UV lamp and a Vacu-Pass™ Cord & Cable Portal on each side. Package standard on all Cell Logic models.

Select the **TELESCOPING BASE STAND** option. This is the seventh digit of your catalog number.

0 = None

1 = Included

Select the **ELECTRICAL CONFIGURATION** and **PLUG TYPE**. These are the eighth and ninth digits of your catalog number.

02 = 115V, 15/20A, 60 Hz, with plug for North America

12 = 230V, 50/60 Hz, with plug for North America

22 = 100V, 15/20A, 50/60 Hz, with plug for Japan

32 = 230V, 50/60 Hz, with Schuko plug

42 = 230V, 50/60 Hz, with plug for China/Australia

52 = 230V, 50/60 Hz, with plug for Great Britain (UK)

72 = 230V, 50/60 Hz, with plug for India

Plug Configurations



115V, 15A for North America 100V, 15A for Japan (3' and 4' widths)



115V, 20A for North America 100V, 20A for Japan (5' and 6' widths)



230V for North America



230V Schuko



230V for China/Australia



230V for Great Britain (UK)



230V for India

Technical Specifications

Nominal Width	Energy Requirements*		Watts				Shipping Weight	Shipping Weight with Stand
	100V or 115V	230V	8"	9"	10"	12"		
3'	12A	6A	150	158	165	195	621 lbs. (282 kg)	697 lbs. (316 kg)
4'	12A	6A	180	193	205	240	725 lbs. (329 kg)	808 lbs. (367 kg)
5'	16A	8A	205	238	270	340	862 lbs. (391 kg)	953 lbs. (432 kg)
6'	16A	8A	350	385	420	490	992 lbs. (450 kg)	1091 lbs. (495 kg)

* Dedicated, non-GFI outlet required. Acceptable voltage range +/-10% nominal value.

Logic® Class II, Type A2 Biosafety Cabinets

Specifications



All models feature:

- Long-life DC Electronically Commutated Motor (ECM)
- ❇ Constant Airflow Profile™ (CAP) airflow monitoring system
- ❇ BalanceFlow™ plenum provides energy-efficiency and ultra-quiet operation*
- ❇ Easy clean top cover that promotes even exhaust airflow from the top cover
- ❇ Mag-Zone™ area on interior right side manages storage challenges with Labconco Magnetic Mag-Zone accessories
- Intrinsically-safe negative pressure design
- Fully scannable 99.99+% supply and exhaust HEPA filters. 99.999% efficient ULPA filters or H14 HEPA filters also available
- ❇ Logic OS and 5" interior-mounted, line-of-sight touchscreen information center with:
  - Smart-Start™ System allows user to start up and shut down cabinet functions by raising and lowering the sash
  - Night-Smart™ System for idling the blower when the sash is fully closed
  - Full operational maintenance and certification logs for detailed record keeping
  - Status line for alarm conditions and alerts to warn when filter life diminishes to 20% and 10% before alarming at 0%
  - Interval/elapsed timer for experiment monitoring
  - UV light timer (on models with UV)
  - Password protection for cabinet settings
  - 8 Languages
- Bright, glare-free LED lighting up to 180 foot-candles (1937 lux). Located outside the contaminated work area
- ❇ Curved, stainless steel inlet grille with waterfall design and Reserve-Air™ Secondary Airflow Slots
- ❇ Air-Wave™ Entry System at access opening to enhance containment
- ❇ Contain-Air™ Negative Pressure Channel at top of sash to enhance containment
- ❇ Two electrical outlets. Flush mounted stainless steel cover with dampened hinges
  - 115V GFCI, double receptacles, maximum amperage draw 5A
  - 230V, single receptacles, maximum amperage draw 3A
- 10° angled, fully closing sash. 1/4" tempered safety glass with counterbalanced, anti-racking, easy-to-lift mechanism
- Unitized, pressure tested stainless steel interior. Optic White epoxy-coated steel exterior
- Removable towel catch located under work surface
- 8", 10", or 12" (20.3, 25.4, or 30.5 cm) working sash height
- ❇ 22.5" (57 cm) max. sash opening & 27.0" (69 cm) viewing height
- Removable, seamless type 304 stainless steel, dished work surface with lift out knobs
- Nominal inflow velocity of 105 fpm (0.53 m/sec)
- Nominal downflow velocity of 55 fpm (0.28 m/sec). 6' x 12" sash models nominal downflow velocity of 50 fpm (0.25 m/s)
- Approximately 70% air recirculation
- Noise level <60 dB (4ft 10" model)
- 10' (3 m) power cord with plug
- Six year warranty

Models conform to the following standards:

- NSF/ANSI Standard 49 listed
- NSF/ANSI 49 compliant (Cell Logic models)
- ISO Class 5 (Grade A) per ISO 14644-1
- UL Standard 61010-1
- CAN/CSA 22.2 No. 61010-1
- CE/UKCA Mark (230V models)
- ❇ ADA-compliant

Options include:

- Unassembled, NSF-approved, epoxy-coated steel, non-welded telescoping base stand with leveling feet
- Accessory Package: UV lamp (254 nm), right-side service fixture with ball-type valve and right and left-side Vacu-Pass™ Cord & Cable Portal
- Ventus™ II Canopy Connection: See page 37
- Cell Logic Packages: See page 34-35

All models require (not included):

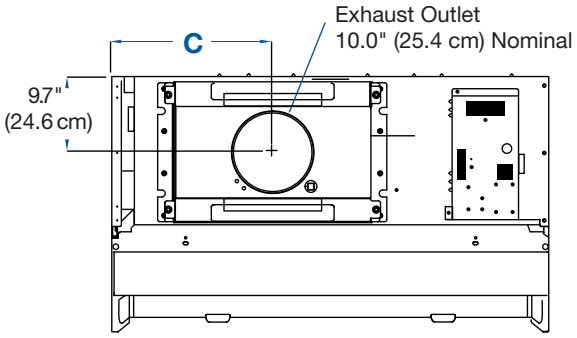
- Supporting base if non-welded stand option is not selected

❇ Labconco exclusive feature

*U.S. Patent Pending

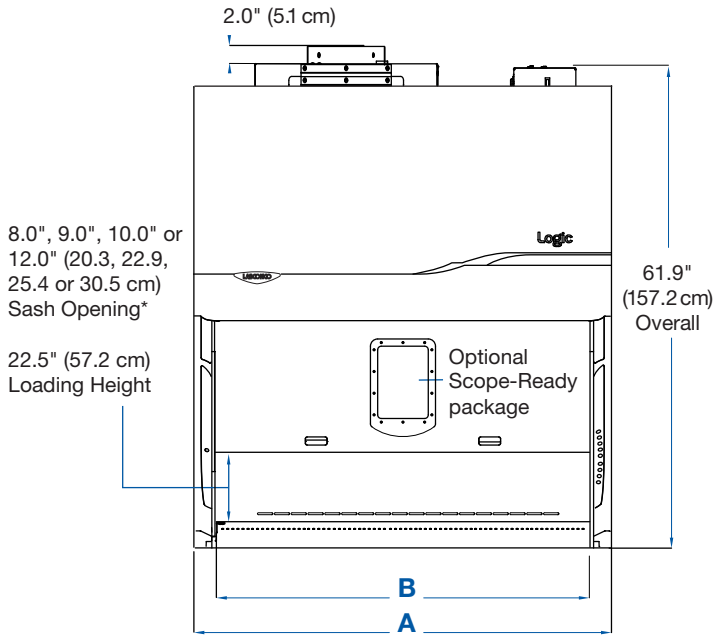
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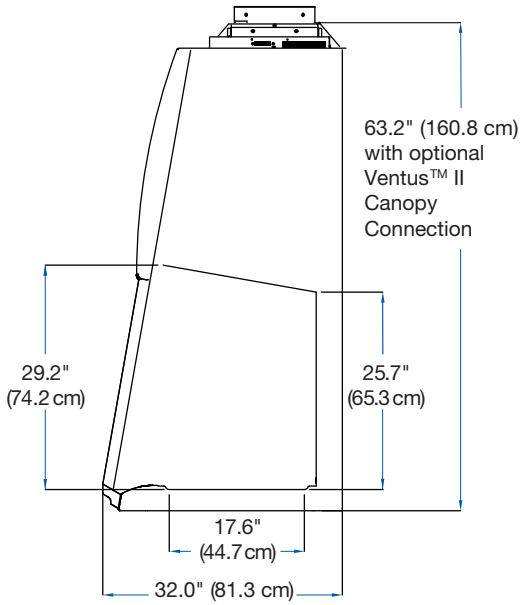
Dimensional Data

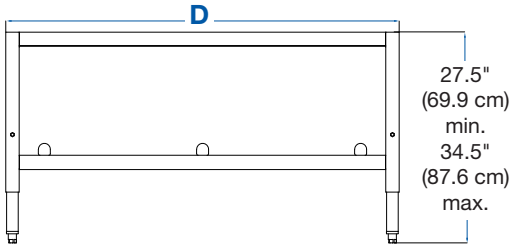


Nominal Width	A	B	C	D
3'	42.4" (107.7 cm)	36.5" (92.7 cm)	14.5" (36.8 cm)	38.5" (97.8 cm)
4'	54.4" (138.2 cm)	48.5" (123.2 cm)	19.9" (50.5 cm)	50.5" (128.3 cm)
5'	66.4" (168.7 cm)	60.5" (153.7 cm)	26.8" (68.1 cm)	62.5" (158.8 cm)
6'	78.4" (199.1 cm)	72.5" (184.2 cm)	32.9" (83.6 cm)	74.5" (189.2 cm)

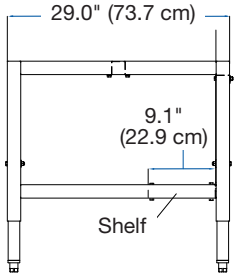
TOP







FRONT



SIDE

*Sash opening working height varies. All Cell Logic Class II, Type A2's have a 9.0" working height. Remaining models have either an 8.0", 10.0" or 12.0" working height.
Note: Shown without A2 (recirculating) Easy-Clean exhaust cover. Overall height with Easy-Clean cover is 61.9".