



CYTOTOXIC BIOLOGICAL SAFETY CABINET BFN-10401

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Single-fan structure design

The single-fan structure design, equipped with imported EBM fan, low failure rate, low noise, energy saving and environmental protection.

Filter life monitoring technology

The filter life can be visually displayed on the LCD screen; Equipped with ultra-high efficiency air filter (ULPA), the filtration efficiency $\geq 99.9995\%$ for particles $\geq 0.12\mu\text{m}$.

Dual probe breeze speed sensor

To measure real-time wind speed, a dual-probe wind speed sensor is used.

Fully split table design

Adopt a new split countertop design, which is smaller, lighter, more powerful, and easier to disinfect.

SPECIFICATIONS

Model	BFN-10401
Internal Size (W*D*H)	1250*650*600mm (49.2"x25.6"x23.6")
External Size (W*D*H)	1340*850*2190mm (52.8"x33.5"x86.2") with Base Stand
Nominal Size	1.2 meters (4')
Internal Work Area, Dimensions (WxDxH)	1250x650x600 mm (49.2"x25.6"x23.6")
Internal Work Area, Space	0.79 m ² (8.5 sq.ft)
Average Airflow Velocity - Inflow	0.53 m/s (104.3 fpm)
Average Airflow Velocity - Downflow	0.32 m/s (62.99 fpm)
Airflow Volume - Inflow	477 m ³ /h (280 cfm)
Airflow Volume - Downflow	864 m ³ /h (508 cfm)
Airflow Volume - Exhaust	477 m ³ /h (280 cfm)
ULPA Filter Efficiency - Downflow	$\geq 99.9995\%$ @MPPS (ULPA)
ULPA Filter Efficiency - Exhaust	$\geq 99.9995\%$ @MPPS (ULPA)
HEPA Filter Efficiency - 1st V-shaped Filter	$\geq 99.9995\%$ @MPPS (HEPA)
1st V-shaped HEPA Filter No.	4
Personnel Protection Test	KI-Discus containment and microbiological testing is performed
Product Protection Test 1~8x10 ⁶ (three times in succession)	≤ 5 CFU
Cross-contamination Test 1~8x10 ⁶ (three times in succession)	≤ 2 CFU
Sound Emission	≤ 60 dBA (DIN 12980)
Fluorescent Light Intensity	≥ 800 Lux
Excellent Light Distribution	Yes
RMS	≤ 5 μm
Main Body	1.2 mm (0.05") steel with white oven-baked epoxy-polyester
Work Zone	Stainless steel, type 304
Side Walls	Stainless steel, type 304
Window Material	Hardened/laminated safety glass
Front Aperture Opening Height	200 mm
Backward-slanted Safety Glass Angle	8°
Cabinet Full Load Amp (FLA)	2 A
Fuses (A)	10

Power Supply	1800 VA
Optional Outlets FLA	5 A
Total Cabinet FLA	7 A
220V/50Hz	Yes
220V/60Hz	Yes
110V/60Hz	Yes
Net Weight	331 kg (730 lbs)
Shipping Weight	468 kg (1032 lbs)
Shipping Dimensions Maximum (WxDxH) - Box 1	1426x946x1710 mm (56.1"x37.2"x67.3")
Shipping Dimensions Maximum (WxDxH) - Box 2	1496x716x963 mm (58.9"x28.2"x37.9")
Shipping Volume, Maximum - Box 1	2.31 m ³ (81.5 cu.ft.)
Shipping Volume, Maximum - Box 2	1.03 m ³ (36.4 cu.ft.)
Alt Name	Cytotoxic Biological Safety Cabinet

FEATURES

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With UV lamp appointment function

The ultraviolet lamp can be set in advance according to different needs.



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