

NSF CERTIFIED CLASS II BIOSAFETY CABINET

NSF CERTIFIED

A biosafety cabinet, also called a biological safety cabinet or microbiological safety cabinet—is an enclosed, ventilated laboratory workspace for safely working with materials contaminated with (or potentially contaminated with) pathogens requiring a defined biosafety level.

The primary purpose of a BSC is to serve as a means to protect the laboratory worker and the surrounding environment from pathogens. All exhaust air is HEPA filtered as it exits the biosafety cabinet, removing harmful bacteria and viruses. This is in contrast to a laminar flow clean bench, which blows unfiltered exhaust air towards the user and is not safe for work with pathogenic agents. Neither are most BSCs safe for use as fume hoods. Likewise, a fume hood fails to provide the environmental protection that HEPA filtration in a BSC would provide. However, most classes of BSCs have a secondary purpose to maintain the sterility of materials inside (the "product").



FEATURES

- NSF certification for all 2 ft, 4ft & 6ft BSCs
- Great for COVID-19 specimen handling
- Front glass viewing window dual HEPA filters Large
- LCD display filter
- UV light life indicator
- Easy-to-clean stainless steel chamber
- Auto start and stop function (e.g. UV lights)
- Automatic flow speed adjustment



NSF Certified 2FT CLASSII TYPE A2 BIOSAFETY CABINET WITH DETACHABLE STAND (BC-2F)



SHIPPING WEIGHT: 280 lbs
UNIT WEIGHT: 220 lbs

SPECIFICATIONS

MODEL		BC-2F	BC-3F	BC-6F
Electrical Requirements		110V, 60 Hz 1-phase	110V, 60 Hz 1-phase	110V, 60 Hz 1-phase
Output Power		400W		500W
Output Power	Dimensions: (WxDxH)	24 x 20 x 21.5"	35.8 x 23.5 x 26"	67 x 23.5 x 26"
	Material	304 stainless steel		
	Power outlet with cover	two, < 500 watts	four, < 500 watts	
	Water port	N/A	400W	500W
	Gas port	N/A	400W	500W
	Surface height from ground	N/A	29.5"	
	Hanging bar	N/A	stainless steel, with 10 hooks	
	Maximum Load	50 lbs.	N/A	
Lights	LED lights	8W x 2, > 1000 Lux	10W x 2, > 1000 Lux	22W x 2, > 1000 Lux
	UV lights	15W (Germicidal UV lamp, emission 253.7 nanometers)	20W (Germicidal UV lamp, emission 253.7 nanometers)	30W (Germicidal UV lamp, emission 253.7 nanometers)
		* UV lights available only when the front glass panel is fully closed. * Recommended replacement interval: 600 hours		
	Volume	Inflow: 345 CFM Downflow: 500 CFM Exhaust: 345 CFM	Inflow: 255 CFM Downflow: 380 CFM Exhaust: 255 CFM	Inflow: 825 CFM Downflow: 710 CFM Exhaust: 485 CFM
	Speed	Inflow: 100-110 FPM Downflow: 60-70 FPM		
		* 70% recirculated internally, 30% discharged from top vent * Air circulation available only when front glass panel is open		
HEPA (High-Efficiency Particulate Air) filter		Two, with 99.999% efficiency at 0.3 μm diameter Filter life indicator on controller		
Front safety panel	Materials	Safety glass (thickness > 5mm), dual-layer, laminated, UV blocking		
	Recommended opening height	8"	10"	
	Maximum opening height	15"	20.5"	

SPECIFICATIONS

MODEL		BC-2F	BC-3F	BC-6F
Material	Chamber	304 stainless steel		
	Main Body	Powder coated steel		
Controller		LCD screen with soft touch buttons and remote control		
Noise		< 65 dB(A)		
Casters		Four, with stationable feet		
Weight	Unit	220 lbs.	450 Lbs	n/a
	Shipping	280 lbs.	595 Lbs	820 lbs.
Dimensions (WxDxH)	Unit	27.5 x 25.5 x 48.5"	42.8 x 30.5 x 89"	73.5 x 30.5 x 90.5"
	Shipping	34 x 31.5 x 57"	48 x 40 x 72.5"	79.5 x 42.5 x 75"
Safety		Abnormal airflow alarm Filter replacement alarm Front glass panel unsafe height		
Compliance		NSF/ANSI 49		
Warranty		One year		