

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").

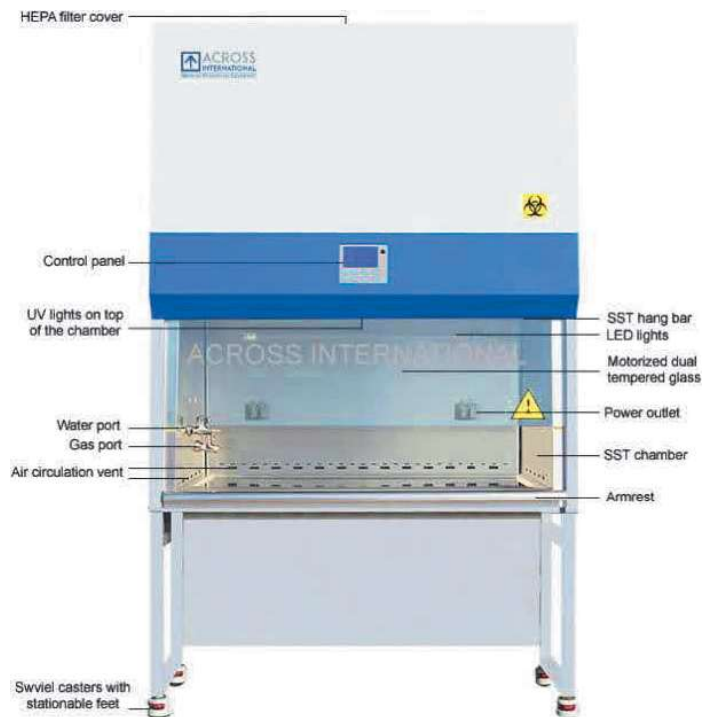


FEATURES

- 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 4FT CLASSII TYPE A2 BIOSAFETY CABINET (BC-4F)



SHIPPING WEIGHT: 725lbs
UNIT WEIGHT: 520 lbs

SPECIFICATIONS

MODEL		BC-4FA2	BC-4FB2
Electrical Requirements		110V, 60 Hz 220V 50/60Hz	115V 60Hz 1-Phase
Output Power		400W	
Output Power	Dimensions: (WxDxH)	48 x 23.5 x 26"	
	Material	304 stainless steel	
	Power outlet with cover	four, < 500 watts	
	Water port	400W	
	Gas port	400W	
	Surface height from ground	29.5"	
	Hanging bar	stainless steel, with 10 hooks	
	Maximum Load	N/A	
Lights	LED lights	18W x 2, > 1000 Lux	
	UV lights	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	
	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	* 100% discharged from top vent (HEPA filtered) * 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	
	Recommend opening height	10"	
	Maximum opening height	20.5"	

SPECIFICATIONS

MODEL		BC-4FA2	BC-4FB2
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	520 lbs.	
	Shipping	725 lbs.	
Dimensions (WxDxH)	Unit	54.5 x 30.5 x 90.5"	
	Shipping	60.5 x 42.5 x 76"	61 x 43 x 76"
Safety		Abnormal airflow alarm Filter replacement alarm Front glass panel unsafe height	
Compliance		NSF/ANSI 49	
Warranty		One year	