

# CLASS II BIOLOGICAL SAFETY CABINET BSC83-824NSF



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## BSC83-824NSF

It operates with a negative air pressure for personnel protection and HEPA filtered laminar airflow for product protection to meet the requirements for the environment from microorganisms and aerosols. Features like Time reverse function, Interlock function, low noise and Filter Life Indicator makes the product beneficial and reliable. Used in Cell culturing, Genetics, Microbiological, Research, Cell Biology, Molecular Biology, Plant, Laboratory. Also known as Class II BSC, Biosafety Cabinet.

## BSC83-824NSF CLASS II BIOLOGICAL SAFETY CABINET

Motorized front window

Large LCD display, all information displayed

Automatic air speed adjustable with filter block

With memory function in case of power-failure

Side & back wall is made up of single piece stainless steel

Interlock function: UV lamp and front window; UV lamp and blower, fluorescent lamp; Blower and front window

Front 10° slanted to offer operator comfort while working for long time, reduce glare and maximize reach into the work area



## SPECIFICATIONS

Model	BSC83-824NSF
Type	NSF Certified Class II, Type A2
Airflow Volume (Inflow)	824m <sup>3</sup> /h (485cfm)
Airflow Volume (Down flow)	60%:1212m <sup>3</sup> /h (713cfm)
Airflow Volume (Exhaust)	40%:824m <sup>3</sup> /h (485cfm)
Filter	HEPA Filter - Two, 99.995% efficiency at 0.3μm, filter life indicator Filter Guard Type - Aluminum alloy frame , glass filter paper
Max Opening	550 mm (22")
Tested Opening	Safety height 254mm (10")
Work Surface Height	750 mm with optional base stand
Work Zone Material	304 stainless steel
Main Body Material	cold-rolled steel with anti-bacteria power coating
UV Lamp	40 W Germicidal UV lamp, Emission of 253.7 nanometers for most efficient decontamination
LED Lamp	22W x2 LED lamp
Waterproof Socket	2, Total consumption:≤500W
Front Window	Motorized. Two-layer laminated toughened glass ≥5mm. Anti UV
Visual and Audio Alarm	Abnormal airflow velocity; Filter replacement; Front window at unsafe height.
Motor	One ECM motor, 110V& 220V acceptable, Speed adjustable, high efficiency and low power consumption
Noise	NSF 49≤67 dB/EN 12469≤65 dB

Standard Accessory	Illuminating lamp, UV lamp x2, Base stand, SS water x1 & gas tap x1, Drain valve, Waterproof sockets, Stainless Steel I.V. Bar with 10 hooks
Optional Accessory	Armrest, Airflow tester, Formalin fumigation sterilizer, Infrared sterilizer, Electric height adjustable base stand, Remote control
External Size (WxDxH)	1873x775x229 mm
Internal Size (WxDxH)	1700x600x660 mm
Package Size (WxDxH)	2020x1080x1900 mm
Gross Weight	370 kg
Consumption	700 W
Power Supply	AC220V±10%, 50/60Hz; 110V±10%, 60Hz, Full load Amps: 9A, BTU/Hr: 1689

**LABSTAC**

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