

# 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



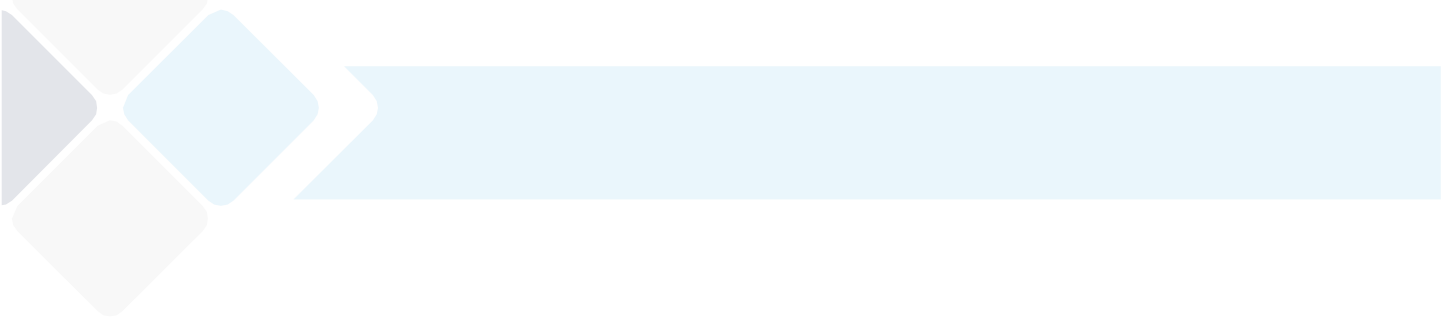
**NSF Certified 2FT CLASSII TYPE A2  
BIOSAFETY CABINET  
WITH DETACHABLE STAND (BC-2F)**



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.<br>* Recommended replacement interval: 600 hours        |                                                          |                                                          |
|                                               | Volume                     | Inflow: 345 CFM<br>Downflow: 500 CFM<br>Exhaust: 345 CFM                                                                       | Inflow: 255 CFM<br>Downflow: 380 CFM<br>Exhaust: 255 CFM | Inflow: 825 CFM<br>Downflow: 710 CFM<br>Exhaust: 485 CFM |
|                                               | Speed                      | Inflow: 100-110 FPM<br>Downflow: 60-70 FPM                                                                                     |                                                          |                                                          |
|                                               |                            | * 70% recirculated internally, 30% discharged from top vent<br>* 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<br>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<br>Filter replacement alarm<br>Front glass panel unsafe height |                   |                     |
| Compliance         |           | NSF/ANSI 49                                                                           |                   |                     |
| Warranty           |           | One year                                                                              |                   |                     |