# BSCAB – Biological Safety Cabinet - HEPA Filter Class II A2



**Download Catalogue**

## H14 HEPA Filter 2pcs 99,9995% efficient

## Motorized front window

Front panel and rollers included. Two-layer laminated toughened glass ≥ 5mm, anti UV

## Foot Switch

Adjust front widow height by foot

## Clear LCD Display with back light

## Visual and audio alarm

Visual and audio alarm for window over height, filter replacement, abnormal air flow velocity. Programmed start function,

COLO BSCAB2 is fantastic biological safety cabinet with all necessary performance to meet your needs in safety and comfortable work. Two HEPA filters with 99,9995 retention possibility protect you self, and samples. Air circulation (recirculation air and exhaust air) can be regulated by eight steps. Inner working surface is made from high quality polished stainless steel S304, easy for clean and sterilization. Two inner electricity Water proof sockets provide 500W consumption in for your devices inside. On large LCD display operator can follow all necessary parameters such as a temperature, RH, total work time of device, exhaust and recirculation air flow, state of UV and LED light. Universal caster with brake and levelling feet...

- Main body made from cold rolled steel with antibacterial powder coating
- H14 HEPA filter 2pcs 99,9995% efficient,
- Air speed adjustment in the conditions of partial clogging of the filter
- The work surface surrounded by negative pressure, ensures maximum safety in the work area. Automatic air flow adjustment, with the possibility of blocking the filter.
- Three protection: operator, sample and environment.
- Filter life indicator
- Time Reservation function (for setting the sterilization time of the work surface).
- Motorized front window, anti UV toughened glass,
- UV lamp with timer and UV life indictor, at 253nm,
- Two water proof sockets
- Clear LCD Display with back light
- Foot switch – Adjust front widow height by foot
- Visual and audio alarm for window over height, filter replacement, abnormal air flow velocity. Locking function of lamps, frontal panel and fan.
- With the remote control the operator can adjust all parameters on the device
- The following parameters are displayed on the LCD
- Temperature
- Relative humidity
- Temperature
- Total hour system work
- Total filter life,
- UV light life
- Level of ventilation speed
- Inflow air speed m/s
- Down flow air speed m/s
- Filter replacement warning

| Cabinet type | BSCAB2110 | BSCAB2130 | BSCAB2150 |
|---|---|---|---|
| Price | | | |
| Bio Safety Class | | II A2  - Vertical Air Flow Flow | |
| Internal Size (W*D*H) | 940*600*660 | 1230*600*700 | 1350*600*660 |
| External size (W*D*H) (without stand) | 1100*750*1450 | 1380*795*1450 | 1500*750*1450 |
| Tested opening safety height mm | | 200 mm | |
| Maximum opening mm | 420mm | 420mm | 500mm |
| Inflow velocity | | 0,53 ±0,025m/s | |
| Down flow velocity | | 0,33 ±0,025m/s | |
| HEPA filter | | 2pc * 99,9995% efficiency at 0,3µm | |
| Noise | | EN12469 ≤58dB / NSF49 ≤61DB | |
| Filter life indicator | | Yes | |
| Front window | | Motorized, toughened glass anti UV | |
| UV Lamp | 1*30W at 253,7nm | 1*30W at 253,7nm | 1*40W at 253,7nm |
| LED Lamp | 2*12W (21W optional) | 2*12W (21W optional) | 2*12W (21W optional) |
| Illumination | | ≥1000Lux | |
| Consumption | 760W | 800W | 900W |
| Socket | | 2 total load of two sockets 500W | |
| Food switch | | Adjust front window height by foot, | |
| Display | | LCD (display temperature, humidity, timer, air speed recirculation, air speed exhaust) | |
| Visual and audio alarm | | Filter replacement, window over height, abnormal air flow velocity | |
| Control system | | Microprocessor | |
| Airflow system recirculation/Exhaust | | 70% air recirculation 30% air exhaust | |
| Material | | Work zone 304 stainless steel , Main body Cold rolled steel with anti bacterial coating | |
| Caster | | Foot master caster | |
| Work surface height | | 750mm , (can be changed with adjustable base stand) | |
| Power supply | | AC220V±10%, 50/60Hz; 110V±10%, 60Hz | |
| Weight | | 280kg | |
| Standard configuration | | LED Lamp, UV lamp*2, remote control , 2* water proof sockets, base stand, foot switch, | |
| Optional configuration | | Electric adjustable base stand, Universal caster with brake and levelling feet, SS Water tap * 1, SS gas tap * 1, fluorescent lamps, drain waive, IQ-OQ Certificate, Air Flow Certificate , | |
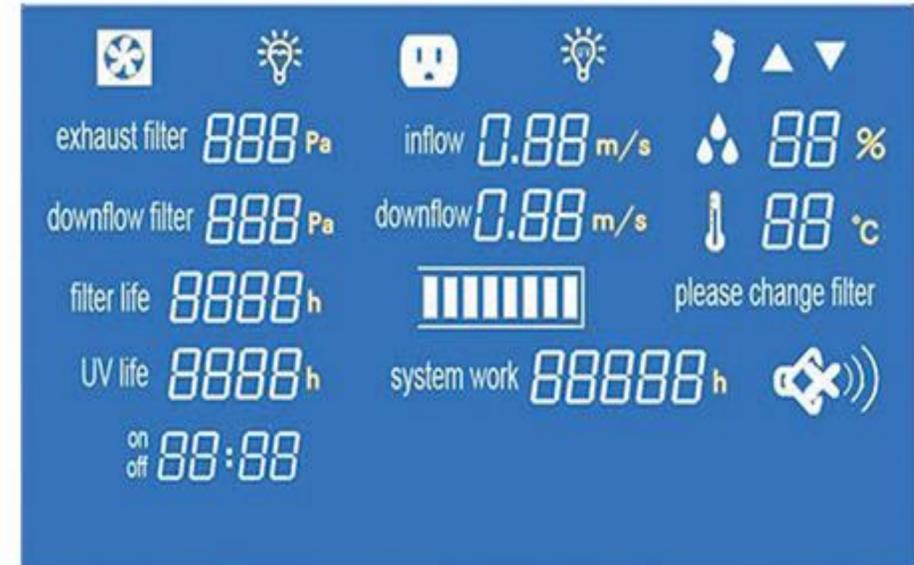
LCD Display with back light
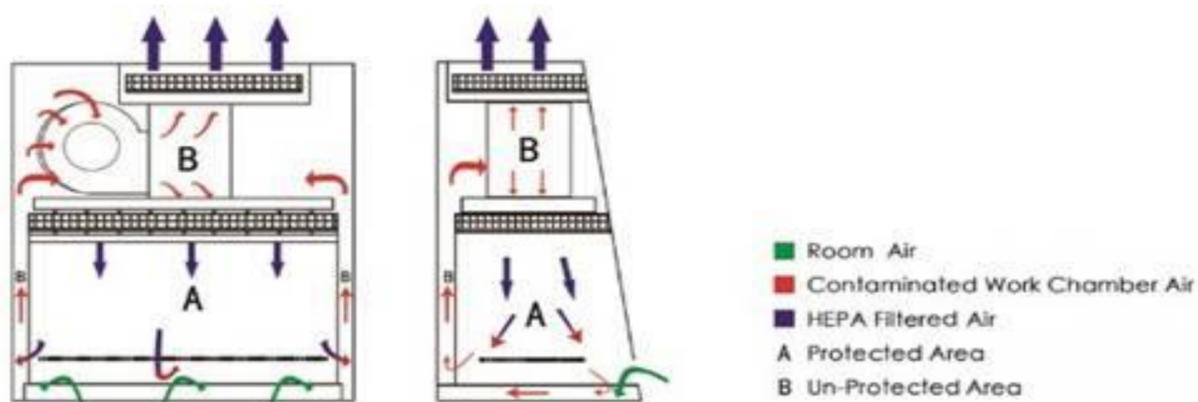
BSCAB2 Biological Safety Cabinet Class II A2 schematic chart

Room Air
Contaminated Work Chamber Air
HEPA Filtered Air
A  Protected Area
B  Un-Protected Area

**Please note**
If this Biological Safety Cabinet does not match the specific needs of your application, or some options are not listed for sale, please feel free to contact us. Our manufacturing engineers will come up with technical solutions to meet your needs. We reserve the right to change technical specifications at any time.

## COLO LabExperts

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