BSCAB2*** – Biological Safety Cabinet - HEPA Filter Class II A2

- 5° Sloping front aperture to maximize comfort
- Air and aerosol tight electrical sliding sash max opening 120°
- Fan ventilation is controlled by software with air flow monitoring sensor
- Weak barrier alarm
- Power failure alarm
- Memory function in case of power-failure.
- Visual display of SAFE status, pre-warning before actual conditions for alarms (visual/sound)
- UV and fluorescent light are set to work only individually
- Voltage-free contact (VFC) outlet
- Time reserve function.
- Key lock
- Locking to avoid unwanted operations
- Internal surfaces made of stainless steel with finishing
- Automatic reset of initial conditions in case of power failure
- Airtightness of the enclosure in accordance with the EN 12298 directive
- Real Time reporting of air speeds (inflow & downflow)
- High air stability in case of transient disturbances or progressive clogging of the filter
- In order to maintain optimal laminar flow, the back wall of the chamber is inclined
- UV Lamp on back wall (can be set delay start cycles duration 1 hour)
- Solid Work Surface/Performed work surface divided on sectors for easy maintenance
- Filter change and maintenance from the front of the housing

HEPA Filter 2pcs 99,9995% efficient

Motorized front window

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

Foot Switch & Remote control

Adjust front widow height by foot. All function can be realized by remote control

Touch Screen LCD Display

ARM controlled, Programming, Lock, Protected
When the chamber is switched on, the self-test program is started

Visual and audio alarm

Visual and audio alarm for window abnormal opening/over height, filter replacement, abnormal air flow velocity. Programmed start function, permanent display of working conditions

Cabinet type	BSCAB2110	BSCAB2130	BSCAB2150	BSCAB2180	BSCAB2180
Internal Size (W*D*H) mmm	940x600x660	1150x600x660	1350x600x660	1625x600x660	1800x600x660
External size	1100x750x2250	1300x750x2250	1500x750x2250	1800x775x2290	1950x800x2170
SKU					
Bio Safety Class	II A2 - Acc. EN 12469				
Sound level [EN ISO 3744] (dB[A])	Acc. EN ISO 3744				
Vibration [EN 12469] (mm RMS)	<0,005				
Illuminance [EN 12469] (lux)	>1000				
Laminar Air Flow mean velocity [EN 12469](m/s)	0,33 - 0,40				
Inflow Air Barrier mean velocity [EN 12469](m/s):	0,53 ±10%				
Window glass UVC radiations retention	98%				
Electrical inner socket (220V 50/60 Hz)	2 pcs				
Tested opening safety height mm	200 mm				
Maximum opening mm	420	420	500	550	400
Inflow velocity	0.53±0.025 m/s				
Down flow velocity	0,33 ±0,025m/s				
HEPA filter	2pc * 99,9995% efficiency at 0,12µm with filter life indicator				
Noise	EN12469 ≤58dB / NSF49 ≤61DB				
Filter life indicator	Yes				
Front window	Motorized, toughened glass anti UV				
UV Lamp	30Wx1	30W*x1	40Wx1	40Wx1	40Wx1
UV Lamp specification	UV timer, UV life indicator, emission of 253.7 nanometers for most efficient decontamination.				
Consumption W	600	800	1300	1300	1500
Illumination LED lamp	12Wx2	12Wx2	16Wx2	16Wx2	16Wx2
Socket	2 total load of two sockets 500W (possibility for 2 additional)				
Food switch	Adjust front window height by foot,				
Display	LCD display: exhaust filter and downflow filter pressure, filter and UV lamp working time, inflow and downflow velocity, filter life, humidity and temperature, system working time...				
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				
Standard configuration	LED Lamp, UV lamp*2, remote control , 2* waterproof 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 ,				

BSCAB2***T Biological Safety Cabinet Class II A2 schematic chart

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.

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