



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

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Catalogue



- 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
- 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
- DOP test inlet
- Dimension of the front opening 1775*195
- 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
- Filters efficiency class [EN 1822-1]: H14 HEPA filter
- HEPA filter readily available to check functionality
- Filter change and maintenance from the front of the housing
- MPPS diameter [EN1822-1] HEPA H14 99,999% 0,1 - 0,3 μm



H14 HEPA Filter 2pcs 99,999% efficient monitored by sensors



Motorized front window

Sliding Front panel and rollers included. Two-layer laminated toughened glass $\geq 5\text{mm}$, anti UV



Foot Switch

Adjust front widow height by foot



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	BSCAB2110T	BSCAB2130T	BSCAB2160T
SKU			
Bio Safety Class	II A2 - Acc. EN 12469		
Internal Size (W*D*H)	940*600*660	1230*600*700	1350*600*660
External size (W*D*H) (without stand)	1100*750*1450	1990*795*1450	1990*750*1450
Sound level [EN ISO 3744] (dB[A])	Acc. EN ISO 3744		
Vibration [EN 12469] (mm RMS)	<0,005		
Illuminance [EN 12469] (lux)	>900		
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	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
Fluorescent 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 (possibility for 2 additional)		
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 ,		



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.

COLO LabExperts



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