



BIO SAFETY CABINET



Class II B2



Class II B2 Biosafety Cabinets equipped with a downflow air taken from the laboratory.

No downflow air is taken from the cabinet exhaust air.

All downflow and inflow air is exhausted through a HEPA filter without recirculation in the cabinet.

All contaminated ducts and plenums are maintained at negative pressure.

The B2 type Biosafety Cabinet may be used for work with volatile toxic chemicals and radionuclides as required in microbiological studies.

ADVANTAGES:

Remote control for easy operation. The operator doesn't need to contact the biological safety cabinet directly, it is useful for the cross contamination prevention.

Foot Switch for the front panel height adjustment.

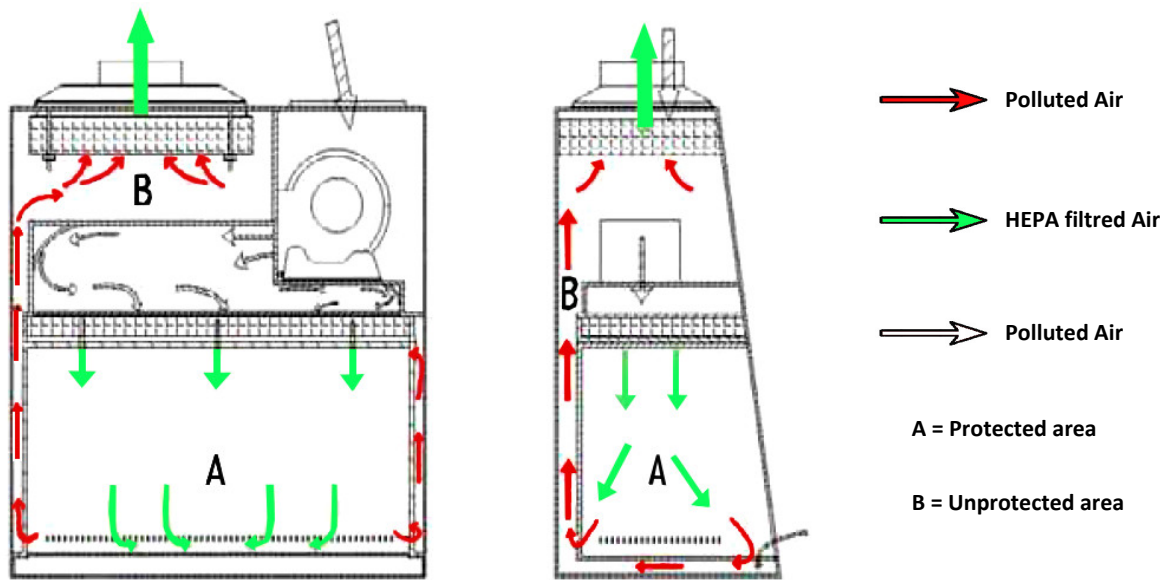
Work area surrounded by negative pressure.

Timer function

LCD display

Filter life inquiry

Motorized front window



TECHNICAL SPECIFICATIONS

Cod.	ES-BC2-1100B2	ES-BC2-1300B2	ES-BC2-1500B2	ES-BC2-1800B2
Internal Size (W x D x H mm)	940 x 600 x 660 mm	1100 x 600 x 660 mm	1350 x 600 x 620 mm	1600 x 670 x 630 mm
External Size (W x D x H mm)	1100 x 750 x 2250 mm	1300 x 850 x 2200 mm	1500 x 760 x 2250 mm	1800 x 840 x 2275 mm
Tested Opening	Safety Height ≤ 200 mm			
Max Opening	400 mm			
Inflow speed	0.53 ± 0.025m/s			
Downflow speed	0.33 ± 0.025m/s			
Pre-filter	Washable			
HEPA Filter	Efficiency 99.999% at 0.3 um			
Front window	Motorized, two-layer laminated toughened glass ≥ 5mm			
Noise	EN12469 ≤ 58dB/NSF49 ≤ 61dB			
UV Lamp	20W x 1	20W x 1	30W x 1	40W x 1
Fluorescent Lamp	21W x 1	21W x 1	28W x 1	35W x 2
Consumption	1050W	1350W	1550W	1900W
Illumination	≥ 1000 Lux			
Water & Gas tap	Water tap x1, Gas tap x1 (optional)			
Socket	Two, total consumption: 500 W			
Display	LCD display			
Control system	Microprocessor			
Airflow system	0% air recirculation, 100% air exhaust			
Exhaust duct	4-meter PVC duct, 300mm diameter			
Material	Work surface: 304 stainless steel			
	Main body: Cold-rolled steel coated with anti-bacteria powder			
Work Surface Height	750 mm			
Wheels	Universal wheels with brakes and leveling feets			
Power supply	110/220V ± 10% 50/60Hz			
Standard Accessories	Fluorescent lamp, UV lamp x 2, Base stand, Remote control, Foot switch, Exhaust blower, Exhaust duct, Drain valve, Waterproof sockets			
Optional Accessories	Armrest, Airflow tester, Formalin fumigation sterilizer, Infrared sterilizer			
Gross Weight	350 kg	360 kg	440 kg	470 kg
Main Body Package Size (W x D x H mm)	1250 x 1050 x 1870 mm	1450 x 1050 x 1870 mm	1640 x 1050 x 1860 mm	1940 x 1050 x 1860 mm
Exhaust Blower Package Size (W x D x H mm)	1060 x 970 x 580 mm	1060 x 970 x 580 mm	1060 x 970 x 580 mm	1060 x 970 x 580 mm



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