

Quality made in TURKEY



EFLAB

BIOSAFETY CABINET CLASS B 2



EFLAB Class II Type B Biological Safety Cabinets work under principles with the full exhaust of Pre/HEPA filtered fresh air to the outer atmosphere without recirculation. Exhausting through HEPA filter protects also the environment. Those Airflow principles of Class II Type B Cabinets provide safe work with the biological risk level of 2+/3 agents and also with cytotoxic gas & materials. The room air is pulled in through the perforations located in front of the work plate and directed to blower plenum (inflow air). This airflow direction prevents dirty air from reaching to the materials over the working plate. Pre/HEPA filtered air supplied through the top of the cabinet have the work chamber protect the work zone under ISO-5 class laminar airflow. Total air in the working cabinet can be fully exhausted without recirculation through exhaust blower fan to the atmosphere by keeping the work chamber under negative air pressure. In addition to the primary air barrier accomplished in the working zone negative plenum design of the **EFLAB** cabinet prevents particle from escaping and zero leakage is ensured.

- Antibacterial Epoxy Powder paint Coated Stainless Steel
- < 7° angles sloped front panel for work comfort and increased work-chamber vision
- Easy reachable electronic control & electrical part protection inside at front panel isolated from work-chamber
- UV Resistant tempered glass
- Aerosol-tight sash window
- One key touch on-off
- Timer setting
- Inflow/Downflow Air Velocity/Airflow Rate
- System Ready/Not-Ready message/warning
- Normal/Stand-by option button
- Automated airflow rate and velocity compensation system
- HEPA Filter Life (percent)
- Total Work-Time
- UV and FL Lamp Work-times
- Automatic Stand-by status at sash window closure
- Motorized sash window level position setting
- One key sash window Preset position
- Automatic UV Lamp-Off protection at the sash window opening
- Sash window position message
- Servicing records
- Password protected technical service key

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TECHNICAL TABLE

Internal Dimensions (WxLxH) mm		1190x630x625
External Dimensions (WxLxH) mm		1340x850x1450
Support Stand (WxLxH) mm		1340x850x745
Support Stand Height From Ground		840 mm
Air Flow (m/s)	Inflow	0.50 ± %5
	Downflow	0.38 ± %5
HEPA Filter Types (EN 1822)	Main Filter	H14 HEPA 0,3 µm %99.995
	Exhaust Filter	H14 HEPA 0,3 µm %99.995
	Pre-Filter (EN779, Opsiyonel)	EU4
Clean Area Class	EN ISO 14644-3	< ISO 5
	US FED 209E	< Class 100
Exhaust Fan Motor Capacity	Suitable up to 10 m horizontal & 3 m vertical duct length*	
Working Table (Single piece monoblock or multiple pieces withhold apparatus)	Standard	304 Stainless Steel
	Opsiyonel	316L Stainless Steel
Front Glass Aperture (mm)	Preset/Std	200cm ± 10mm
	Max	450cm ± 10mm
Noise Level	Normal Mode	< 56 dB(A)
	Eco (Stand by) Mode	< 50 dB(A)
Working Area Illumination (Lux)		750 – 1200 Lux
Front Glass		< 6 mm
Power consumption (kW)	Fan Filter Unit	530 W
	Illumination	50 W
	UV Lamp	30 W
Electrical socket voltage and current		220-240 VAC / 16A
Supply Voltage / Frequency /Power / Current		230 VAC / 50 Hz / 3000 W / 16A
Pack/Palette Dimensions (WxLxH) mm		1450x1005x2000
Weight (kg), without support stand		300 kg

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