



ES-BC3 CLASSE III



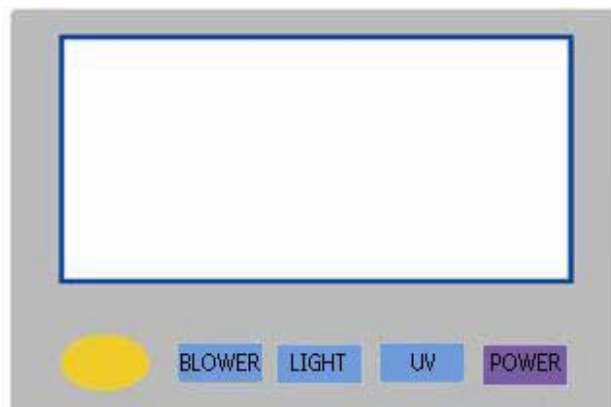
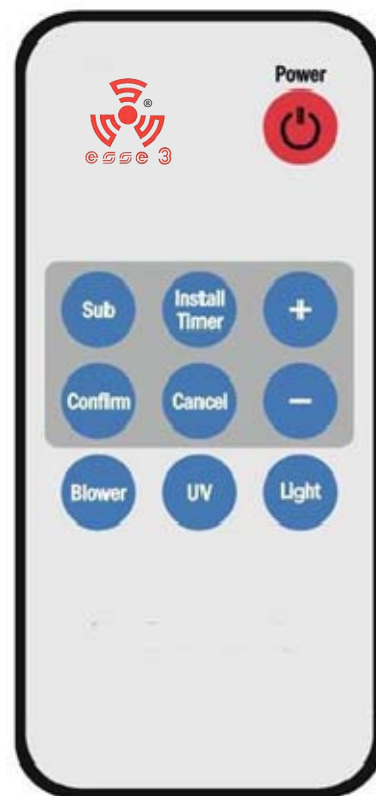
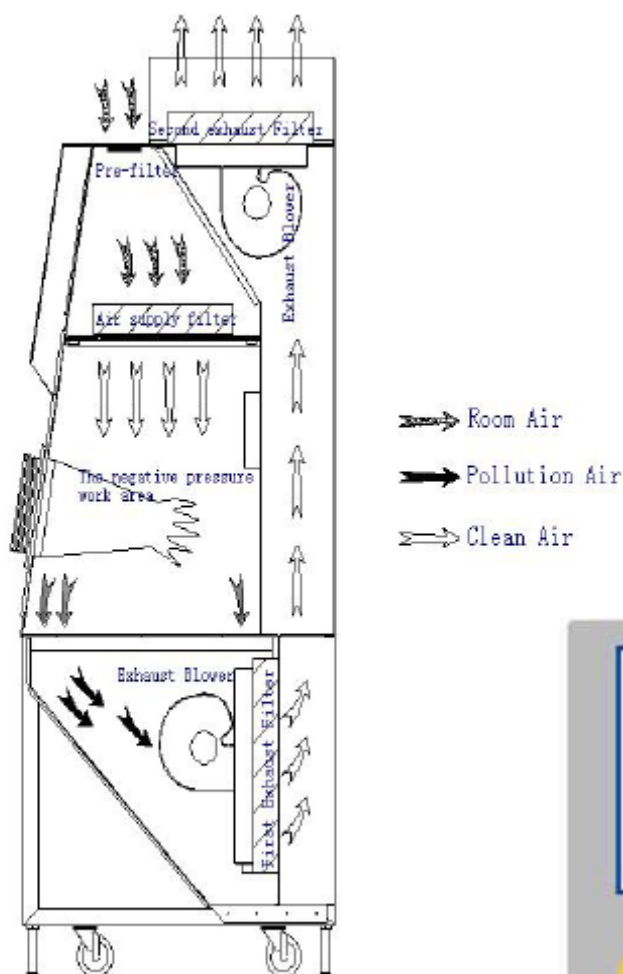
Class III Biosafety Cabinet

Class III Biosafety Cabinets are totally enclosed and gas-tight with HEPA/ULPA filtered supply and exhaust air. Work is performed with long-sleeved gloves. The cabinet is kept under negative pressure of at least 120 Pa (0.5 in. w.g.), and airflow is maintained by a dedicated exterior exhaust system. Class III cabinets protect the worker and the product. They are designed for work with level 4 pathogens and provide an alternative to the positive-pressure suit made for maximum containment laboratories.

Features

1. Exhaust air is double-filtered through high-quality ULPA filters with typical efficiency of >99.999% for 0.1 to 0.3 micron particles, better than HEPA filters.
2. An angled cabinet front ensures an ergonomic working posture.
3. Cabinet operates at negative pressure relative to the laboratory in order to prevent migration of pathogenic materials out of the work area.
4. It effectively reduces safety risk to operators with UV installed inside of work area.

Air Flow Pattern and Protected Area



Technical Parameter

Models	ES-BC3-1500	ES-BC3-1100
External Size (W*D*H)	1340×850×2100mm	1100×800×1600mm
Internal Size (W*D*H)	1240×650×650mm	750×560×600 mm
Pass Box Size (W*D*H)	External: 480×400×400mm	External: 470×420×400mm
	Internal: 400×390×340mm	Internal: 390×380×330mm
Gloves	One pair 800mm butyl rubber gloves	
Front Window	8mm toughened glass	
Display	LCD	
Material	Work Table	304 stainless steel
	Main Body	Cold-roll steel plate with anti-bacteria coating
Airflow Volume	440~870cfm	240~470cfm
Pressure	Negative Work Zone, ≥120Pa	
Pre-filter	Washable	
Main Filter	Air supply filter: ULPA filter efficiency 99.999% for particles size at 0.12um	
	First exhaust filter: ULPA filter efficiency 99.999% for particles size at 0.12um	
	Second exhaust filter: ULPA filter efficiency 99.999% for particles size at 0.12um	
Noise	≤65 dB	
Alarm	Visual and audio alarm	
Illumination	≥800 lux	
Caster	Universal wheel	
UV lamp	30W*1 8W*1	20W*1 8W*1
Fluorescent Lamp	28W*2	14W*1
Consumption	700W	400W
Power supply	110V/220V±10%, 50/60Hz(Optional)	
Packaging Size	2000×1000×2220 mm	1380×950×1770 mm
Gross weight	395kg	250kg
Standard Accessory	Gloves, fluorescent light, UV lamp	



ESFH - FUME HOOD



ES-BC2 CLASS II

BIOSAFETY CABINETS



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