

# Esco Infinity® Class II Type A2 Biosafety Cabinet

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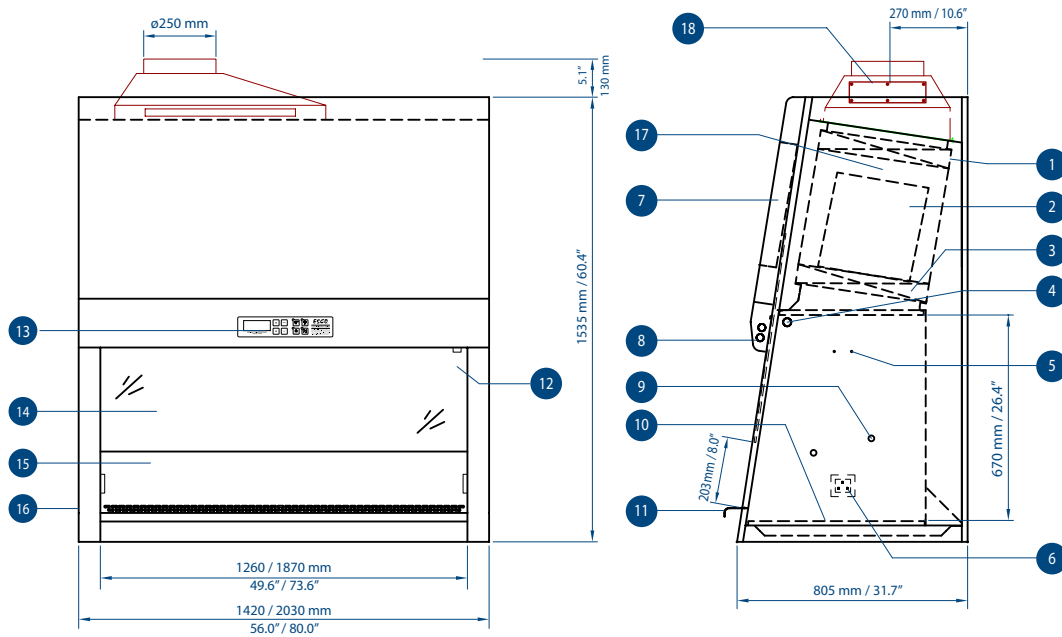


The **Esco Infinity® Class II Type A2 biosafety cabinet** is arguably the most advanced biosafety cabinet in the world. Providing operator, product and environment protection from hazardous aerosols through superior minipleat ULPA filters, the product combines the best product performance features with Esco's ergonomic design.

The cabinet features safe double-fan system for guaranteed safety, aerosol tight front window design and Esco Isocide™ antimicrobial coated external body structure.

## Key Features

- ★ **Pending GS certification to EN 12469**
- ★ **Product / Operator / Environment Protection**
- ★ The most advanced biological safety cabinet in the industry
- ★ **ULPA Filters** with typical efficiency at >99.999% at 0.12µm provide ISO Class 3 cleanliness within work zone.
- ★ **Inherently safe double fan system** (perfect safety even in the event of failure of 1 fan)
- ★ **Aerosol tight front window design**
- ★ **Extremely low noise level** for quiet working environment
- ★ **Easy-to-Clean:** Single sheet internal walls
- ★ **Isocide™ antimicrobial coated structure** eliminates 99.9% of bacterial presence on external surfaces within 24 hours.
- ★ **Ergonomic sloped front** eliminates glare off the front window, and ensures operator comfort during extended usage
- ★ **Microprocessor-based control and alarm system**
- ★ Esco Accuflow™ microprocessor-based motor speed controller
- ★ Reduced height for low ceiling laboratories
- ★ Motorized electrical sliding sash with shatter-proof laminated glass for extra protection
- ★ Easy-to-clean "Swing-up" window



**Engineering Details**

- 1.** Exhaust ULPA Filter **2.** Blower **3.** Downflow ULPA filter **4.** Standard UV Light Retrofit™ Kit Provision **5.** IV Bar Retrofit Kit™ Provision
- 6.** Electrical Outlet Retrofit Kit™ Provision (2 single outlets) **7.** Electrical / Electronics Panel **8.** Fluorescent Light
- 9.** Plugged Service Fixture Provisions (2 on each side wall) for Gas/Vacuum/Water. (*Solenoid Gas Valve Option Available*)
- 10.** Stainless Steel Multi-piece Work tray **11.** Stainless Steel Armrest **12.** Key Switch
- 13.** Esco Sentinel™ Microprocessor Control System **14.** Motorized Sliding Sash Window (Aerosol Tight)
- 15.** Single-piece Stainless Steel Back Wall and Side Wall **16.** Removable Side Panel for Plumbing Access
- 17.** Exhaust Fan **18.** Optional Exhaust Collar for Thimble Ducting

General Specifications		FC2-4AX	FC2-6AX
External Dimensions (L x W x H)		1420 x 805 x 1535 mm / 56.0" x 31.7" x 60.4"	2030 x 805 x 1535 mm / 80.0" x 31.7" x 60.4"
Internal Work Zone (L x W x H)		1260 x 610 x 670 mm / 49.6" x 24.0" x 26.4"	1870 x 610 x 670 mm / 73.6" x 24.0" x 26.4"
Standards Compliance		<b>Pending GS certification to EN12469</b> Air cleanliness: ISO 14644.1 Class 3, IEST-G-CC1001, IEST-G-CC1002 and other equivalent requirements Filter performance: IEST-RP-CC034.1, IEST-RP-CC007.1, IEST-RP-CC001.3 and EN1822 Electrical safety: IEC 61010-1 / EN 61010-1 / UL 61010A-1 / CSA C22.2 No. 1010.1-92	
Average Airflow Velocities	Inflow	Initial setpoint: 0.45 m/s or 90 fpm	
	Downflow	Initial setpoint: 0.33 m/s or 65 fpm	Initial setpoint: 0.33 m/s or 65 fpm
		Uniformity is better than +/-15%	
Airflow Volumes At Initial Airflow Velocity Setpoints	Inflow	414 cmh / 244 cfm	614 cmh / 361 cfm
	Downflow (65%)	860 cmh / 506 cfm	1277 cmh / 752 cfm
	Exhaust (35%)	414 cmh / 244 cfm	614 cmh / 361 cfm
Cleanliness Within Working Area		ISO14644.1 Class 3, US Federal Standard 209E Class 1 / M1.5, AS1386 Class 1.5, JIS B9920 Class 3, BS5295 Class C, Class M10,000 as per KS27030.1 and equivalent classes of VDI2083 and AFNOR X44101	
Downflow and Exhaust Filter Type		ULPA filter with integral metal guards and filter frame gaskets; fully compliant with EN 1822 and IEST-RP-CC001.3 requirements (each cabinet has individual downflow and exhaust filters)	
Filter Efficiency Ratings		Typical: 99.9998% at 0.3µm / 99.9998% at 0.12µm / 99.9997% at MPPS	
Noise Level		<56.5 dBA	<59.5 dBA
		The above measurements were taken at initial blower speed setting on a standard 4ft model, as per EN12469 specifications. Figures are subject to acoustic properties of test environment	
Light Intensity		>1200 Lux	>1200 Lux
		measured at work surface level (zero background) as per NSF49 test grid	
Main Body Construction		1.5mmt / 0.06" / 16 gauge electro-galvanised steel with white oven-baked epoxy anti-microbial powder-coated finish	
Maximum Power Consumption / Current	220-240VAC / 50Hz 1Ph	Cabinet	575W / 4A
		Outlet	1000VA / 5A
	110-130VAC / 60Hz 1Ph	Cabinet	765W / 11.5A
		Outlet	500VA / 5A
Net Weight (Approximate)		275 kgs / 606 lbs	312 kgs / 688 lbs
Max Shipping Dimensions (L x W x H)		1520 x 950 x 1800 mm / 60" x 37.4" x 70.9"	2130 x 950 x 1800 mm / 83.9" x 37.4" x 70.9"
Max Shipping Volume		2.6 cbm / 92 cbf	3.6 cbm / 127 cbf

Your Local Distributor:



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