

NEW!



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EN 12469
EN 12469, SANS 12469
AC2- S_

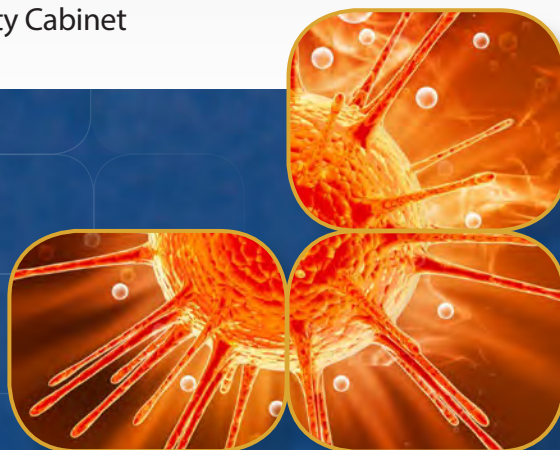
Airstream®

Class II Biological Safety Cabinets

The World's Most Energy-Efficient, Quiet and Compact Biosafety Cabinet

Promocija

5500.00€



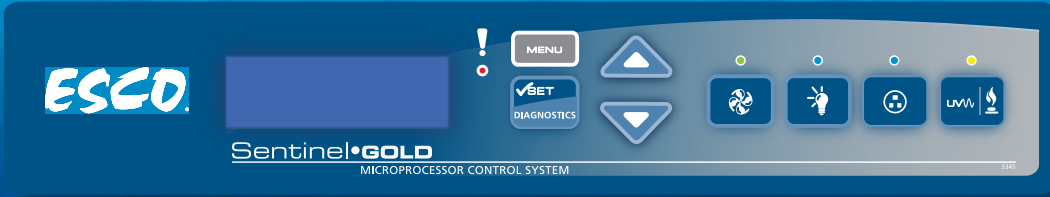
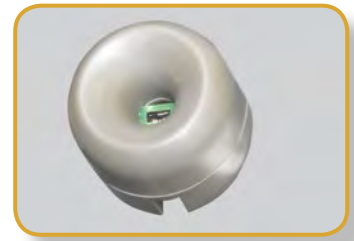
Model AC2-4S8 Komora + stalak + UV lampa

ESCO
SCIENTIFIC



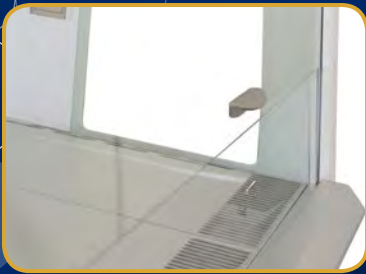
RS 232 Serial Interface Port

- Send operational information to Building Management System (BMS)
- Optional zero volt exhaust and alarm contact



Sentinel™ Gold Microprocessor Controller

- Displays all safety information on one screen
- Centered and angled down for easy reach & viewing
- Selectable Quickstart mode for fast operation



Angled Corner & Glass Side

- Easy to clean
- Easy to reach service fixture and outlets
- Stainless steel side wall is available (AC2-S and AC2-D variant)



Divided Work Tray

- Easy to lift and clean
- Single-piece recessed tray is available (AC2-S and AC2-D variant)



Raised Arm Rest

- Helps prevent grille blocking
- Comfortable working posture



Removable Paper Catch

- Easy to clean
- Optional pre-filter can be fitted



Available in 0.6, 0.9, 1.2, 1.5, and 1.8 meter width



EN 12469

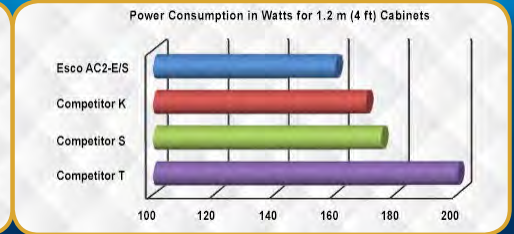
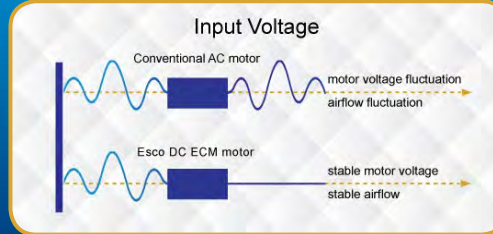
Esco Airstream™ Class II has been certified by PHE / Public Health England (formerly HPA) for compliance to EN 12469

Airflow Sensor

- Monitors real-time airflow for safety
- Alerts the user if airflow is insufficient

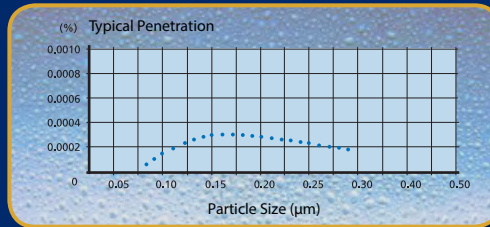
Energy-Efficient DC ECM Motor

- The most energy-efficient Class II biosafety cabinet in the world, provides 70% energy savings compared to AC motor
- Stable airflow, despite building voltage fluctuations & filter loading
- Night Setback mode to further reduce power consumption by 60%



ULPA Filter

- 10x Filtration efficiency of HEPA filter
- Creates ISO Class 3 work zone instead of industry-standard ISO Class 5

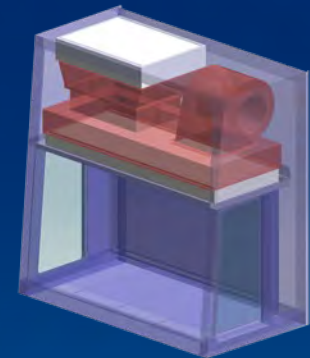


Esco cabinets use ULPA filters (per IEST-RP-CC001.3) / H14 per EN 1822 instead of H13 HEPA filters used on many BSCs in the market.

HEPA filters only offer 99.99% typical efficiency at 0.3 micron, while ULPA filters provide 99.999% typical efficiency for particle sizes of 0.1 to 0.3 micron.

Dynamic Chamber™

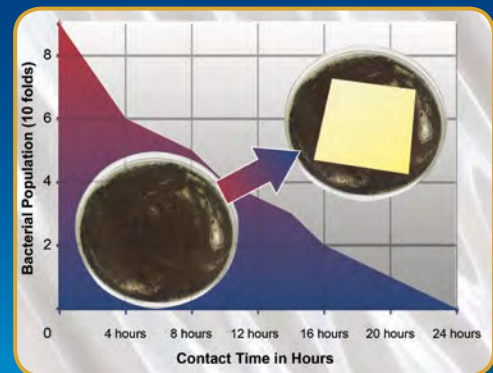
- Blower plenum and side walls (AC2-S and AC2-D variant)
- Prevent contaminants from escaping outside



Positive pressure
Negative pressure

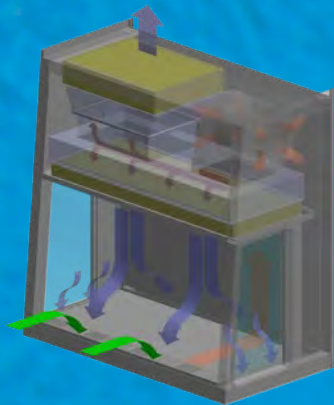
ISOCIDE™ Powder Coat

- Silver-ion impregnated powder coat
- Inhibit microbial growth to improve safety



Standards Compliance	Biosafety Cabinet	Air Quality	Filtration	Electrical Safety
	EN 12469, Europe SANS 12469, South Africa	ISO 14644.1 Class 3, Worldwide JIS B9920 Class 3, Japan JIS BS 5295, Class 3, UK	EN-1822 (H14), Europe IEST-RP-CC001.3, USA IEST-RP-CC007, USA IEST-RP-CC034.1, USA	IEC 61010-1, Worldwide EN 61010-1, Europe UL 61010-1, USA CAN / CSA-22.2, No.61010-1

*CFDA certification is exclusive to AB2 models sold in China.



Dynamic air barrier, where inflow and forward-directed downflow air converge

Cabinet Filtration System

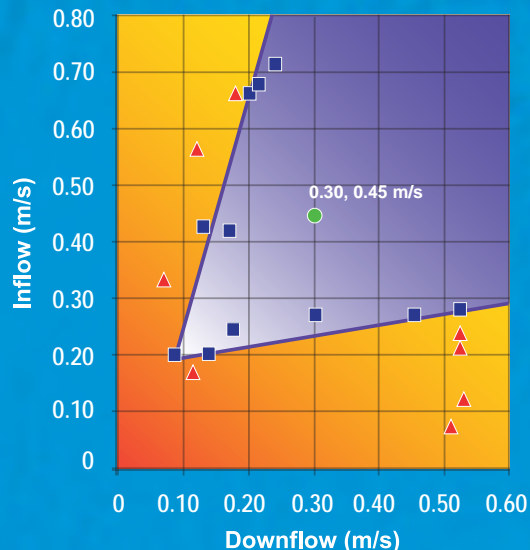
Ambient air is pulled through front grille to create inflow, without going through the work surface. Inflow is joined by half of the downflow, to create front air curtain that is fine-tuned to create a large performance envelope. The combined air stream travels through the back air column towards the blower.

Approximately 1/3 of the air in the common plenum is exhausted through the ULPA filter to the room. The remaining 2/3 of the air is passed through the downflow ULPA filter and into the work area as a vertical laminar flow air to create ISO Class 3 work surface and prevents cross contamination.

Near the work surface, the downflow splits. About Half goes to the front grille, and half goes to the rear grille. A small portion enters the side capture zones to prevent dead air corners (small blue arrows).

The design was optimized to give large performance envelope, that provides operator and product protection at wide Inflow and Downflow variation from the Nominal point.

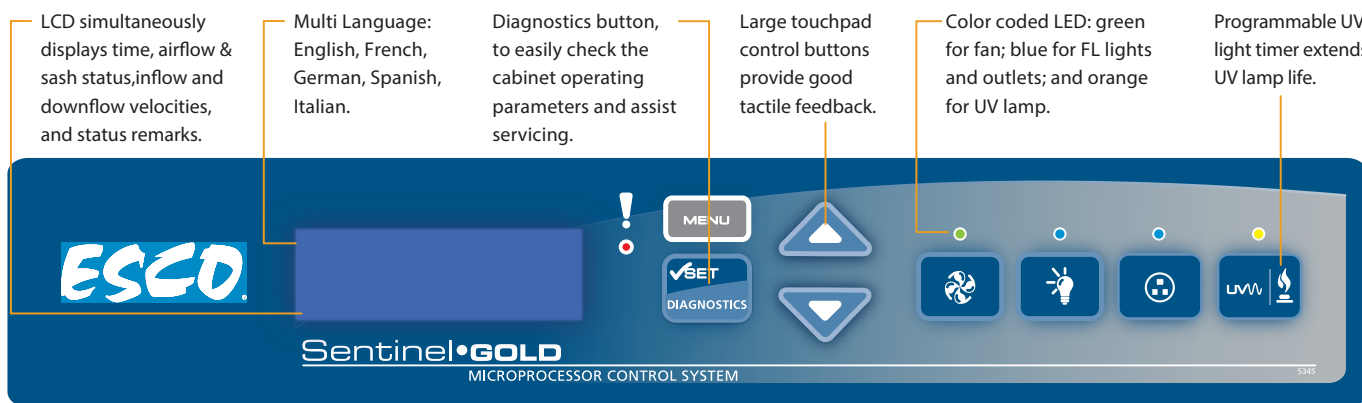
Performance Envelope of AC2 G3



- Nominal Airflow
- Personnel / Product Protection
- Area of Personnel / Product Protection
- ▲ No Personnel / Product Protection
- Area of no Personnel / Product Protection

- ULPA-filtered air
- Unfiltered / potentially contaminated air
- Room air / Inflow air

4



ESCO Mikrobiološki safety cabinet class II sa lagera

Model AC2-4S8

cena kompleta Komora + stalak + UV lampa