

INTRODUCTION

The Class II Biological Safety Cabinet is mainly used for handling pathogenic biological samples or for applications that require a sterile work zone.

This equipment is designed to have: an inflow for protecting the operator, an ULPA/HEPA-filtered downflow which creates an ISO Class 3 work surface and prevents cross-contamination for protecting the sample and an ULPA/HEPA-filtered exhaust for protecting the environment. These cabinets are further classified by 2 standards: EN 12469:2000 and NSF 49.



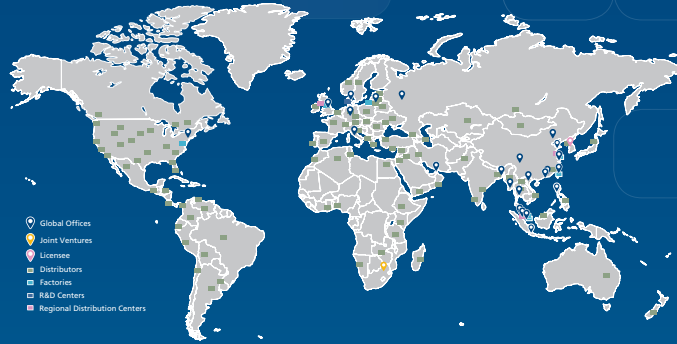
EN12469

EN 12469:2000 Biotechnology Performance criteria for microbiological safety cabinets is the new harmonized European standard for microbiological safety cabinets, published by CEN, the European Committee for Standardization. This standard classifies BSCs into Class I, Class II, and Class III.



The NSF International (formerly The National Sanitation Foundation) Biological Safety Cabinetry Program was initiated during the 1970's at the request of the regulatory community, including the Centers for Disease Control, National Institutes of Health, and the National Cancer Institute. This standard further classified Class II Biosafety Cabinets according to subtypes based on air circulation: Class II Type A1, Class II Type A2, Class II Type B1, and Class II Type B2.

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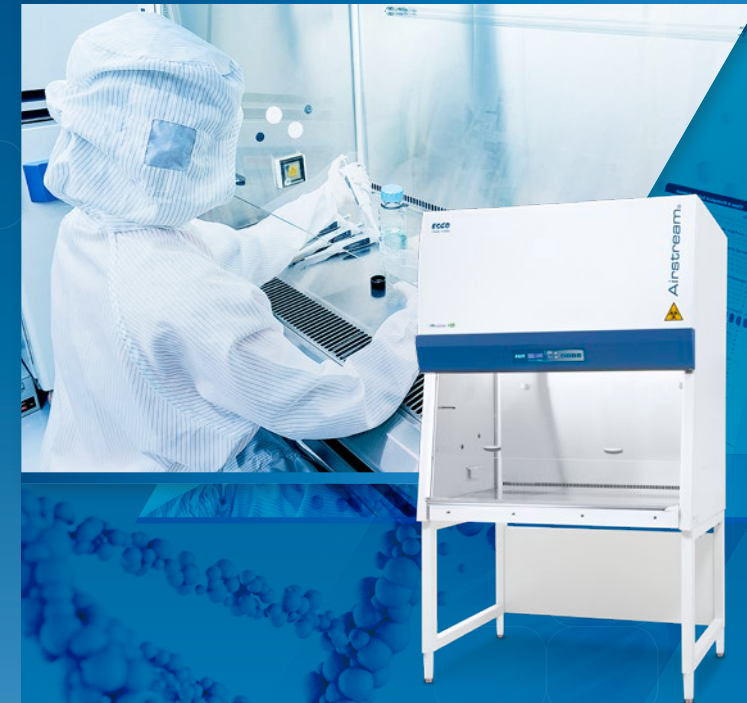
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Esco Class II Biological Safety Cabinets



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CLASS II BIOLOGICAL SAFETY CABINETS

Streamline® Class II BSC

- Compact-sized
- Energy-saving
- Provides user and environment protection
- Options:
(E-Series) Glass side walls, multi-piece work tray
(S-Series) Stainless steel side walls, single-piece work tray
- Available sizes: 4 and 6 ft



Model: SC2-E



Airstream® Gen 3 Class II BSC (Single blower)

- Equipped with DC ECM motor for up to 70% energy savings
- Sentinel™ Gold Microprocessor controller
- Low noise level
- Options:
(E-Series) Glass side walls, multi-piece work tray
(S-Series) Stainless steel side walls, single-piece work tray
- Available width sizes: 2, 3, 4, 5, and 6 ft



Model: AC2-E



Airstream® Gen 3 Class II BSC (Dual blower)

- Equipped with two DC ECM motors for redundant system that provides protection in case of a power failure
- Dual ULPA filters
- Sentinel™ Gold Microprocessor controller
- Low noise level
- Options:
(G-Series) Glass side walls, multi-piece work tray
(D-Series) Stainless steel side walls, single-piece work tray
- Available width sizes: 4 and 6 ft



Model: AC2-D



Airstream® Plus Class II BSC (Dual blower)

- Equipped with two DC ECM motors for up to 70% energy savings
- Motorized sash window
- Stainless steel and glass hybrid walls
- LED lighting system
- Sentinel™ Gold Microprocessor controller
- Optional H₂O₂ Injection Port
- Options:
(E-Series) Multi-piece work tray
(S-Series) Single-piece work tray
- Available width sizes: 3, 4, 5, and 6 ft



Model: AC2-E-TU



CLASS II TYPE A2 BIOLOGICAL SAFETY CABINETS

Airstream® NSF-49 Certified Class II Type A2 BSC

- Single-piece wall
- Single-piece work tray
- Equipped with DC ECM motor for up to 70% energy savings
- Sentinel™ Gold Microprocessor controller
- Low noise level
- Available width sizes: 3, 4, 5, and 6 ft



Model: AC2-NS

Airstream® Reliant Class II Type A2 BSC*

- Stainless steel side wall
- Single-piece work tray
- Equipped with DC ECM motor for up to 70% energy savings
- Easy-to-use Rocker switches and pressure gauge
- Low noise level
- Available width sizes: 3, 4, 5, and 6 ft

*Only available for USA.



Model: AR2

Labculture® Class II Type A2 BSC

- ISO Class 3 work zone
- Equipped with DC ECM motor for up to 70% energy savings
- Dynamic Chamber™ prevents contaminants from escaping
- Sentinel™ Gold Microprocessor controller
- Angled front 8.5° to optimize user comfort and ergonomics
- Available sizes: 3, 4, 5, 6, and 8 ft



Model: LA2-A-E

Labculture® Reliant Class II Type A2 BSC*

- ULPA Filter
- ISO Class 3 work zone
- Equipped with DC ECM motor for up to 70% energy savings
- Dynamic Chamber™ prevents contaminants from escaping
- Rocker switches and pressure gauge
- Angled front 8.5° to optimize user comfort and ergonomics
- Available sizes: 4, 5, 6 and 8 ft

*Only available for USA.



Model: LR2-S-E

CLASS II TYPE B1 BIOLOGICAL SAFETY CABINET

Labculture® Class II Type B1 BSC

- ISO Class 3 work zone
- Equipped with DC ECM motor for up to 70% energy savings
- Dynamic Chamber™ prevents contaminants from escaping
- Sentinel™ Gold Microprocessor controller
- Angled front 8.5° to optimize user comfort and ergonomics
- Available size: 4 ft



Model: LB1-B-E

CLASS II TYPE B2 BIOLOGICAL SAFETY CABINETS

Airstream® Class II Type B2 BSC (Total Exhaust)

- Dynamic Chamber™ plenum design delivers quiet, uniform airflow
- Double-wall construction with negative pressure plenum
- Fail-safe system
- Low noise level
- Available sizes: 3, 4, 5, and 6 ft



Model: AB2

Labculture® Class II Type B2 BSC (Total Exhaust)

- ULPA Filter
- ISO Class 3 work zone
- Equipped with DC ECM motor for up to 70% energy savings
- Dynamic Chamber™ prevents contaminants from escaping
- Sentinel™ Gold Microprocessor controller
- Angled front 8.5° to optimize user comfort and ergonomics
- Available sizes: 3, 4, 5, 6, and 8 ft



Model: LB2-E