## INTRODUCTION

The Airstream® Class I Biological Safety Cabinet offers user and environment protection when doing experiments with agents that are assigned under Biosafety Levels 1, 2, and 3.

This Class I biological safety cabinet is equipped with protective features such as the Isocide™ powder coat that inhibits microbial growth and optional UV lamp for decontamination.
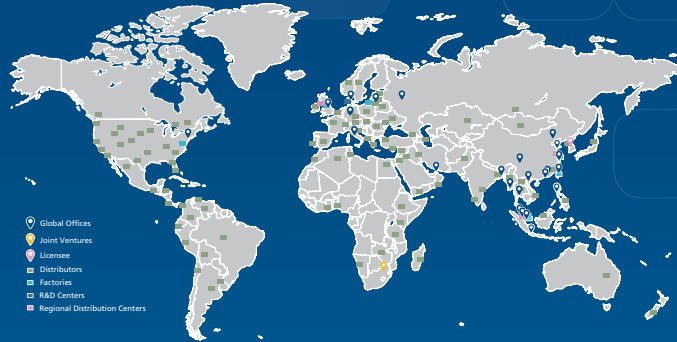
It is also equipped with a UV Door which provides safety against UV light. The door is integrated with VHP injection port for connection to VHP/ HPV generator for easy decontamination.

The cabinet is powered by an energy-efficient DC ECM motor offering 70% energy savings. Bearing the **EN 12469 certification** by the Public Health England (PHE), Airstream® Class I Biological Safety Cabinet is an essential component in your laboratory.

## Application

- Microbiological practices dealing with low to moderate risk biological agents.

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### ESCO SCIENTIFIC

# Esco Class I
# Biological Safety Cabinet

Airstream

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# ESCO
## SCIENTIFIC

# Esco Class I
# Biological Safety Cabinet

Model: AC1-4E8

**EN12469**

## Construction

### Isocide™ Powder Coat
- Silver-ion impregnated powder coat
- Inhibit microbial growth to improve safety

### Hinged Window
- 90° opening for an easy workzone access
- 8 mm UV resistant polycarbonate window
- Gasket-surrounded window to provide airtight seal for better safety

### Work Top
- 1.2 mm (0.05") 18 gauge SS 304, 4B finish
- Spill-retaining work top design with a recessed central area contains accidental liquid spills

### Easy to Clean Back Wall
- Large back wall radius for easy cleaning
- With UV lamp

### Airflow Sensor
- Monitors real-time airflow for safety
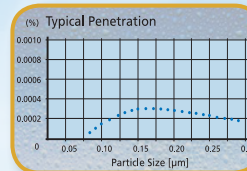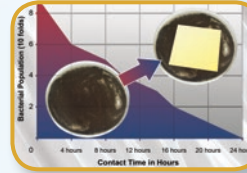- Alert the user if airflow is insufficient

## Blower and Filtration

### H14 Filter
- 10x filtration efficiency of HEPA filter
- H14 Filter with efficiency of 99.999% between 0.1 to 0.3 microns

### Energy Efficient DC ECM Motor
- 70% energy savings from AC motor
- Stable airflow, despite building voltage fluctuations
- Standby mode to further reduce power consumption by 60%

## Control System

### Sentinel™ Gold Microprocessor Controller
- Displays all safety information on one screen
- Centered and angled down for easy reach & viewing

## OPTIONS AND ACCESSORIES

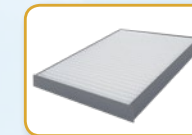**UV Door (with VHP in Port)**

**Germicidal UV Lamp**

**Service Fixtures**

**Electrical Outlet**

**Exhaust Ducting**

**Pre-filter**

**Optional Secondary Filter**

**IV Bars, with hooks**

**Support Stand**