CARFIL QUALITY
YOUR SUPPLIER FOR ALL LABORATORY NEEDS

Airstream Plus

Airstream Plus

Class II Biological Safety Cabinets
The Worldcode2utf('39',0)s Leading Energy-efficient, Quiet, and Compact Biosafety Cabinet. TÜV NORD Certified to EN 12469

- SentinelTM Gold Microprocessor Controller
- Unique Stainless Steel and Glass Hybrid Wall (E-Series)
- RS 232 Serial Interface Port
- DUAL Energy Efficient DC ECM Motor
- H14 / Optional U15 Filter
- ISOCIDE Powder Coat
- Optional Hydrogen Peroxide Injection Port

Airstream Plus Class II Biological Safety Cabinets

Voltage Free Relay Contact

- Zero volt exhaust and alarm contact

Airflow Sensor

- Monitors real-time airflow for safety
- Alert the user if airflow is insufficient
- High-end Accusense sensor made by Degree C

SentinelTM Gold Microprocessor Controller

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

Motorized Window

- Aerosol tight window seal
- Window automatically stops at safe operating height
- Conveniently move the window by fingertip

Unique Stainless Steel and Glass Hybrid Wall (E-Series)

- Large corner radius for easy cleaning

- Easy to reach service fixture and outlets
- Stainless steel side wall is available (S-Series)
- Hole-free side glass for increased safety

Divided Work Tray

- Easy to lift and clean
- Single-piece recessed tray is available (S-Series)

Raised Arm Rest

- Helps prevent grille blocking
- Comfortable working posture

Removable Paper Catch

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

RS 232 Serial Interface Port

- Send operational information to Building Management System (BMS)

DUAL Energy Efficient DC ECM Motor

- The most energy-efficient Class II Biosafety Cabinet in the world
- 70% Energy savings compared to AC motor
- Stable airflow, despite building voltage fluctuations & filter loading
- Standby mode to further reduce power consumption by 60%

H14 / Optional U15 Filter

- H14 Filter with efficiency of 99.999%
- U 15 Filter with efficiency of 99.9999% (10x filtration efficiency of H14 filter)
- Creates ISO Class 3 work zone instead of industry-standard ISO Class 5
- Easy filter replacement procedure due to customized plenum design

LED Lamp

- Energy efficient
- Last 4x longer than fluorescent lamp
- Brighter than fluorescent lamp

ISOCIDE Powder Coat

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

Optional Hydrogen Peroxide Injection Port

- Easily connect to VHP/HPV Generator
- Combined with sealed front window for easy decontamination

Angled Drain Pan

- Easy to clean
- Does not harbor contaminants

Cabinet Filtration System

- Ambient air is pulled through front grille to create inflow, without going into 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 ? of the air in the common plenum is exhausted through the ULPA filter to the room. The remaining ? 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 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.