

**Esco Airstream® Gen 3 Laminar Flow Cabinet, Vertical**  
LVG-3AG-F8



*\*Representative image only. Actual size may vary.*

## KEY FEATURES

- ✓ ULPA Filter
- ✓ ISO Class 3 Work zone
- ✓ Equipped with DC ECM motor for up to 70% energy savings
- ✓ ISOCIDE™ Antimicrobial Powder coating
- ✓ Sentinel™ Gold Microprocessor controller
- ✓ Low noise at only 51.6 dBA



ISOCIDE™



### A. General Construction

- External Dimensions (Width x Depth x Height)
  - Without Base stand: 1035 x 784 x 1270 mm (40.8" x 30.8" x 50.0")
  - With Optional Base stand 711 mm (28"): 1035 x 784 x 1981 mm (40.8" x 30.8" x 78.0")
- Internal Work Area Dimensions (Width x Depth x Height)
  - 965 x 739 x 689 mm (38.0" x 29.1" x 27.1")
  - Area: 0.6 m<sup>2</sup> (6.5 ft<sup>2</sup>)
- Material
  - Main body: 1.2 mm (0.05") 18-gauge electro-galvanized steel with white oven-baked epoxy-polyester powder-coated finish
  - Work Zone: Abrasion and corrosion resistant 304 grade, 1.2 mm 18-gauge stainless steel with 4B finish
  - Side walls: UV absorbing tempered glass, 5 mm (0.2"), colorless and transparent
  - ISOCIDE™ Antimicrobial Powder coating

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- Weight
  - 135 kg (298 lbs) (Excluding optional stand)
- B. Blower and Filtration**
  - Equipped with one Direct current Electronically Commutated Motor (DC ECM)
    - Low heat and low energy consumption offering 70% more energy savings
    - Auto-compensating feature that adjusts blower speed in order to maintain the optimum airflow in case of filter loading.
  - Vertical-type laminar flow cabinet
    - Ultra-low Particulate Air (ULPA) / H14 filter with 99.999% efficiency at 0.3 µm
    - Disposable polyester fiber pre-filters with G3 (EU3) rating (85% arrestance)
  - Nominal airflow velocity of 0.45 m/s (90 fpm)
  - ISO 14644-1 Class 3 air quality
  - AutoPurge™ slots designed to eliminate air turbulence and the possibility of dead air corners
- C. Control Panel and Electrical**
  - Sentinel™ Gold Microprocessor Controller
    - Four-line LCD display
    - Soft touch keys for Blower, Light, and UV lamp with LED indicator
    - UV timer
    - Audible and visual alarms
  - Electrical Requirements
    - Power rating: 220-240 V AC 50/60 Hz, 1 Ø
    - Nominal Power: 129 W
    - Heat dissipation: 440 BTU/h
  - Lighting
    - Fluorescent lamp intensity: 980 Lux
  - UV Decontamination
    - Optional UV lamp (253.7 nm). Must come with front cover
- D. Ergonomics**
  - Centered and angled-down location of the control panel
  - Low noise emission of 51.6 dBA
  - Optional armrest, ergonomic footrest and lab chair
  - Recessed central area of work top contains accidental liquid spills.
- E. Accessories**
  - UV lamp, Front cover, Support stand (Leveling feet, Caster wheels, telescoping), Service fixtures (Gas, water etc.), IV Bar, armrest, Footrest, and ergonomic lab chair.