

VLAF Series Vertical Laminar Airflow Cabinets operate under positive pressure with the front completely open providing the operator with unimpeded access to the work area. Gelaire® VLAF cabinets produce a vertical laminar air flow in the work zone which is HEPA filtered to an efficiency of 99.99% for the removal of particles and biological matter 0.3 micron and larger. To maintain optimum aerodynamic and laminar air flow patterns Gelaire® VLAF Cabinets are designed so that air leaves the work zone through the front opening and slots at the base of the rear wall.



Applications

- Sterile manipulation
- Sterile testing
- Microbiology
- Preparation of Culture Media
- Preparation of Ophthalmics
- Floriculture
- TPN Preparation
- Medical device assembly

Technical Data

- Stainless Steel interior including HEPA Filter Protection Screen
- Washable, framed, pre filters with minimum 90% arrestance to 5 um particles
- Available with 1200mm and 1800mm wide workbenches
- High efficiency direct drive centrifugal fan
- Work Area Lighting exceeding requirements of AS1807.15
- Electrical Suitability Certificate
- Variable Speed controlled fan system

Standard Features

- NATA tested prior to delivery conforming to AS1386
- Gelsafe® Air Flow Monitoring System
- Ultra quiet operation exceeding requirements of AS1217
- Minipleat Hepa Filters - 99.999% DOP tested
- Work area Germicidal Ultra Violet Lamp
- Removable Dust Cover & UV Shield
- Powder coated steel construction
- Work area power outlet
- Fully sealed touch control panel for ease of operation and cleaning

Special Features

- NATA tested to comply with AS1386
- GelSafe® Air Flow Velocity Monitoring System. An exclusive feature of Gelaire® comprising of a work area air flow velocity sensor probe and colour coded safe operation meter that provides the operator with continuous visible and audible air flow velocity safety monitoring
- Ultra quiet operation
- Minipleat high efficiency Hepa filters tested to 99.999% DOP
- Oven baked powder coated steel construction
- Stainless steel work bench and side walls
- Fully sealed easy to clean touch control panel utilising state-of-the-art electronics.

Optional Accessories

A range of Work Area accessories are available for application customisation of the Cabinet, these include Gas, Vacuum, and Pharmacy/TPN Support Rails. Support Stands with locking roller castors.

Physical Data

| Model | Cleanliness | Air Vel (m/s) | Filter Effic % @ 0.3um | Power Supply kw. | Weight KG | Ext. Dimensions mm (WxDxH) | Int. Dimensions mm (WxDxH) |
|-----------|-------------|---------------|------------------------|------------------|-----------|----------------------------|----------------------------|
| VLAF 1200 | Class 100 | 0.45 | 99.999 | 0.51 | 140 | 1340 x 740 x 1150 | 1220 x 645 x 690 |
| VLAF 1800 | Class 100 | 0.45 | 99.999 | 1.3 | 214 | 1950 x 740 x 1150 | 1830 x 645 x 690 |

Compliance & Testing

Gelaire® VLAF Series Cabinets are manufactured and tested to comply with AS1386. They are tested and certified prior to dispatch by an independent NATA registered laboratory. On-site testing and maintenance is also available.

Operational Limitations

Gelaire® VLAF Cabinets are designed to provide protection for the product and process and not for personnel and should not be used where hazardous airborne biological or chemical agents are being used.

The Kelly Company & Other Products

The Kelly Company Pty Ltd is an Australian owned company. We are totally committed to excellence in the design, construction and supply of technically advanced and economically viable solutions for the control of airborne biological and particulate contamination. Our Vilair and AAF range of Air Filtration Products and HEPA Filtration Systems are used extensively throughout Australia for critical contamination control in applications in Hospitals, Pharmaceutical and High Technology Industries.



GelSmart® LAF Control Panel

A state-of-the-art electronic touch membrane control panel integrating all functional and safety controls of the Gelaire® Laminar Air Flow Cabinet including:

- GelSafe® Air Flow Monitoring System with colour coded velocity meter
- Visual 'air safe' and audible 'air fail' alarm indicators with alarm mute control
- Cabinet and fluorescent lighting on/off and LED operating indicator
- UV lamp safety interlock and LED operating indicator (UV Lamp cannot be activated when cabinet is operating).