



Dual Access Animal Containment Workstation

GAC-D4-A



The Viva Dual Access Animal Containment Workstation provides clean air performance to help protect investigators and animal handlers from exposure to animals and animal products which can cause occupational hazards such as asthma and allergies. The Dual Access Workstation protects the operator from airborne contamination during cage changing or other procedures. At the same time, the workstation protects the animals or work product from external and cross-contamination, and protects the environment from allergens and particulate emissions.

Containment and Protection

- The push/pull airflow system creates a non-recirculating vertical laminar flow of ISO Class 4 clean air across the work surface per ISO14644.1.
- The cabinet work zone is fully accessible from two sides to permit multiple user access.
- A large 350 mm (14") opening accommodates standard size animal cages.
- Hinged windows on both sides can be opened for a 530 mm (20.5") access for handling larger items.

Comfortable Ergonomic Design, Portable

All Viva workstations are engineered for comfort, utility value and safety.

- Angled viewing windows reduce glare and permit easier reach into the work area from either side.
- Instant-start 5000k fluorescent lamps operate on electronic ballasts for energy efficiency.
- Lamps deliver 1100 Lux (> 102 footcandles) to the work surface for overall illumination.
- The work surface height is electrically adjustable from 864 to 1164 mm (34" to 46") for ergonomic comfort and operator convenience.

- The workstation is easily moved on non-marking 125 mm (5") wheels with locking brakes.
- When fully lowered to a height of 1918 mm (75.5") the cabinet can be wheeled from lab to lab. A stainless steel push/pull bar is mounted on one end.

Integrated Filtration System

A combination of twin ULPA filters, an activated carbon filter and an intake air pre-filter give the workstation a fully integrated envelope for animal, operator and environmental protection.

- Mini-pleat ULPA filters are tested to >99.999% efficiency for 0.1 - 0.3 micron particulates, better than HEPA filters.

- An improved mini-pleat separation technique maximizes filter surface area, improves efficiency and extends filter life over conventional separation.
- The disposable pre-filter traps larger particulates before they enter the blower chamber, and protects the supply ULPA filter to extend filter life.
- The supply ULPA filter supplies clean air to the work surface in a gentle vertical laminar flow.
- An activated carbon filter removes odors from the ULPA filtered exhaust air stream before returning air to the laboratory.
- The exhaust ULPA filter removes all allergens and particulates acquired from the work surface before the air is exhausted to the room.

General Specifications	GAC-D4-A
External Dimensions (W x D x H)	52.9" x 30.0" x 75.5" minimum height 52.9" x 30.0" x 87.5" maximum height
Internal Work Area (W x D x H)	49.3" x 24.7" x 23.0" (1251 x 628 x 584 mm)
Downflow Velocity	Initial setpoint: 0.30 meters/second (60 ft./min)
Sound Emission	Typically <59 dBA at initial blower speed setting (measured 1 m from center)
Fluorescent Lamps	> 1,100 Lux (> 102 foot-candles) measured at work surface level, zero background
Construction, Main Body	1.2 mm (18 gauge) electrogalvanized steel with Isocide white oven-baked epoxy powder coating

Dual Access Animal Containment Workstation GAC-D4-A

Balanced Airflow

Contaminated room air does not enter the work area.

- Intake and exhaust ratios are factory balanced before shipment to assure proper performance of the resulting air curtain.
- The inflow of room air is captured in the slots peripheral to the work surface before it can contaminate the work area.
- Independent MiniHelic gauges display both supply and exhaust filter pressures.

Blower Efficiency

The Dual Access Workstation blower system is designed for maximum energy efficiency and minimal maintenance.

- Two independent blowers are used, one for the supply filter and one for the exhaust filter. • Centrifugal, direct-drive, external rotor motors are selected to reduce operating costs.
- Unique motor/blower orientations minimize noise and vibration.
- Built-in solid-state variable speed controllers are infinitely adjustable from Off to Maximum.
- Built-in RFI and electrical noise filters eliminate interference with adjacent instrumentation.

Cabinet Design and Construction

Robust construction and enhanced safety features qualify the workstation for the most demanding laboratory applications.

- A recessed central area and stainless steel drain pan contain spills and prevent liquids from entering the lower filtration and blower systems.
- Work surface air intake grilles are configured to prevent obstructions by objects placed outside the work zone.
- The cabinet structure is constructed of industrial-grade electrogalvanized steel.
- External surfaces are coated with Isocide antimicrobial coating to protect against surface contamination and inhibit bacterial growth. Isocide eliminates 99.9% of surface bacteria within 24 hours of exposure.

Sentinel Microprocessor Control, Alarm, Monitoring System

The Sentinel microprocessor-based control system supervises operation of all cabinet functions.

- Control levels are locally configurable to meet user requirements.
- Continuous monitoring of cabinet airflow is displayed on a bright, easy-to-read LCD panel.
- Integrated, temperature-compensated true airflow velocity sensors provide the highest control accuracy.
- Additional Sentinel functions are factory set to default OFF. These can be user activated through the touchpad data
- Entry access.
- Automatic start-up sequence will prepare the cabinet for normal operation and advise when safe conditions are established.
- An administrator controlled PIN (Personal Identification Number) can be set to restrict access to main menu.
- An independent airflow probe (standard) can be activated to warn of unsafe conditions.

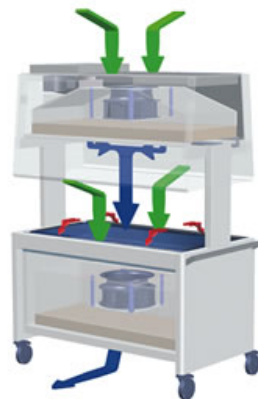
Electrical Safety and Certification

All components used in products meet or exceed applicable safety requirements.

- Retractable power cord stores easily for moving from one location to another (110-130 V, 60 Hz model only).
- Each cabinet is individually factory tested for electrical safety.
- Documentation specific to each cabinet serial number is maintained on file.
- The Viva workstations meet general safety requirements set forth by independent testing laboratories (see Specifications).
- UL listing pending for USA and Canada.

Warranty

The Dual Access Animal Containment Workstations warranted for 3 years excluding consumable parts and accessories. Contact your local Sales Representative for specific warranty details.



Cabinet Airflow System

- The Model VDA Dual Access Workstation employs a total exhaust, non-recirculating airflow configuration.
- The blower system pulls ambient intake air through the pre-filter, trapping larger dust particles and extending the useful life of the ULPA filter.
- Air flows through the main ULPA supply filter and bathes the work zone in clean air with a non-turbulent airflow.
- Recessed air grilles on the peripheral work surface collect ambient air. Combined with vertical laminar downflow, the VDA creates an air curtain to protect the operator from contaminants released from the work surface.
- An activated carbon filter removes odors.
- The exhaust ULPA filter removes contaminants before air is returned to the environment.



GENEVA SCIENTIFIC
LAB EQUIPMENT SOLUTIONS

PO Box 408 262-245-1500
Fontana, WI 53125 Fax 262-245-6678

Sales@Geneva-Scientific.com