

# Bedding Disposal Workstation

## GAC-BD4-A



Cage cleaning and bedding disposal procedures are now simpler, safer and more productive with the VIVA Bedding Disposal Workstation. Specifically designed for the animal research laboratory, the mobile workstation protects personnel and the lab environment from exposure to allergens and unpleasant odors. The industry-exclusive hydraulic height-adjustable stand allows the work surface height to be adjusted to user preference therefore minimizing strain during repetitive operations. An integrated waste container enables direct disposal of waste items within the work zone.

### Main Features

Sentinel™ Microprocessor controller supervises all functions.

Industry-exclusive integrated adjustable height hydraulic stand improves ergonomics and enables the workstation to be adjusted to the user's height.

Long life ULPA filter protects the user and the environment from harmful particulates created when dumping cages.

Nanocarb™ activated carbon filter removes odors.

Pre-filter extends the life of the main ULPA filter and can be safely changed within the work zone with the airflow operating. Work area lighting is bright and uniform to help improve productivity.

Blower system is designed for high performance operation, maximum energy efficiency and minimal maintenance.

Single piece stainless steel work zone liner simplifies cleaning.

Offset opening in the work surface provides a staging area for cages to be dumped.

This can facilitate faster and safer cage processing.

A 40-gallon NSF listed waste container is mounted to the work surface allowing for rapid disposal of waste materials within the work zone.

Antimicrobial coating on all painted surfaces.

mental protection. Inflow of room air enters the work opening to establish operator protection. The work opening is generously sized to accommodate all common types of animal cages. The inflow velocity, air flow path and intake geometry are precision tuned and tested to create an optimum air curtain at the front aperture.

### Integrated Filtration System

The combination of pre-filter, ULPA filter (for allergen removal) and Nanocarb™ activated carbon filter (for odor removal) create a fully integrated envelope for operator and environment protection.

A pre-filter captures large particles to extend the life of the main filters. • Pre-filter can be replaced with airflow operating to minimize exposure to hazardous particulates.

General Specs		GAC-BD4-A
Nominal Size		44.0" w x 30.0" d x 77.0" (min. height) 44.0" w x 30.0" d x 88.3" (max. height)
Ext. Dimensions		41.0" w x 26.8" d x 23.4" h
Work Surface Height		36" - 47.3"
Front Opening		15.7"
Inflow Velocity		0.35 m/s (70 fpm) at initial setpoint
Pre-Filter		Disposable, non-washable polyester fiber, 85% arrestance, EU3 rated
ULPA Filter Typical Efficiency		.99.999% at 0.1 to 0.3 microns as per IEST-RP-CC001.3 USA
Sound Emission Per EN 12469		62 dBA
Fluorescent Lamps		>1,400 Lux (>130 foot-candles)
Workstation Construction	Main Body	1.2 mm (0.05") 18 gauge electro-galvanized steel with Isocide white oven-baked epoxy polyester powder-coating
	Work Top	1.2 mm (0.05") 18 gauge stainless steel, type 304, with 4B finished
	Inner Liner	0.9 mm (0.35") 20 gauge stainless steel, type 304 with 4B finished

### Containment and Protection

A combination of an exhaust pre-filter, ULPA filter and activated carbon filter create a fully integrated performance envelope for operator and environ-

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The exhaust ULPA filter provides 99.999% typical efficiency for particle sizes of 0.1 to 0.3 microns in order to remove allergens from the exhaust stream. VIVA ULPA filters meet the IESTRP-CC001.3 recommended practice.

### Blower Efficiency

The blower system is designed for high performance operation, maximum energy efficiency and minimal maintenance.

The external rotor motor design allows for optimum cooling of the motor during extended operations and extends the motor bearing life.

The permanently lubricated direct-drive external rotor motor/blower reduces operating costs.

An integral blower hour meter tracks operating life for predictive maintenance planning.

### Control, Alarm, Monitoring System

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

The control panel is located on the center of the cabinet, and angled down for easy access by the operator

Continuous monitoring of cabinet airflow is displayed on a bright, easy-to-read LCD panel.

An integrated, temperature-compensated, true airflow velocity sensor provides an accurate airflow reading despite room temperature fluctuation.

All electronic parts are contained inside a plug-and-play module that permits easy exchange if required.

Microprocessor software updates are available from Geneva Scientific for download via the Internet. Sentinel functions are factory set to default to ON or OFF, depending on worldwide destination and local preferences. Default settings 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.

The airflow alarm can be activated or deactivated depending on user preference and nature of the work.

### Cabinet Construction

Robust construction and enhanced safety features qualify the workstation for the most demanding laboratory applications. The workstation is fully assembled and ready to install and operate when shipped. • The interior work area is constructed of stainless steel.

The stainless steel work surface has a large opening with fixed stainless steel "Bang Bars" to facilitate cage dumping.

There are no screws on the front or sides to trap contaminants or complicate cleaning.

External surfaces are coated with socide™ antimicrobial coating to protect against surface contamination and inhibit bacterial growth. Isocide eliminates 99.9% of surface bacteria within 24 hours of exposure.

A 40-gallon NSF listed waste container is mounted to the work surface allowing for rapid disposal of waste materials within the work zone. The large volume container eliminates frequent disposal to improve productivity. The waste container is mobile on casters and moves with the workstation

### Comfortable Ergonomic Design

The workstation is engineered for comfort, utility value and safety.

The integral adjustable support stand provides work surface height control.

Ergonomic adjustable work surface height reduces fatigue, increases productivity and provides a safer work environment.

The workstation is mobile on non-marking 125 mm (5") wheels with locking brakes.

When fully lowered, the workstation will fit through a standard lab door.

The angled front profile improves reach into the work area.

The instant-start 5000k fluorescent lamp operates on an electronic ballast to reduce heat, improve comfort and conserve energy.

The lamp delivers uniform lighting to the work surface for greater comfort, reduced glare and improved productivity; see Technical Specifications.

The frameless cabinet front eliminates operator's line of sight blockage.

A generous front opening allows for faster access into the work zone, and provides ample room for transferring of animal cages.

### Electrical Safety and Certification

All components meet or exceed applicable safety requirements.

Each workstation is individually tested for electrical safety at factory.

Documentation specific to each workstation serial number is maintained on file.

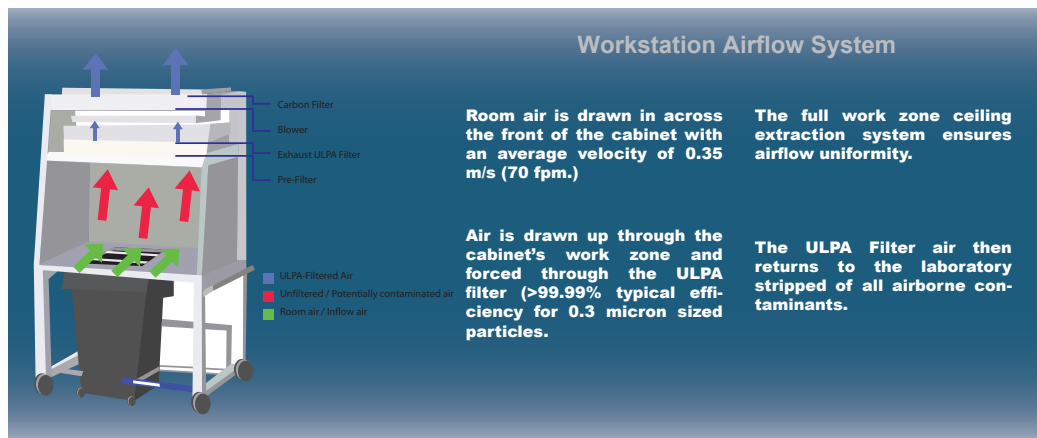
### Accessories and Options

Geneva Scientific offers a variety of options and accessories to meet local applications. Example of options include; Support stand, outlets and fixtures, UV Lamp, PVC armrest, IV bar, Microscope viewing device. Contact Geneva Scientific for ordering information and addition options available.

### Warranty

The cabinet is warranted for 3 years excluding consumable parts and accessories.

**\*\*Please Contact Geneva Scientific for complete specifications.**



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