



# Animal Procedure Biological Safety Cabinet

Personnel, Environmental and Product Protection During Animal Science and Experimentation

Critical procedures in the animal research laboratory frequently require maximum protection for the operator, environment and product, which can only be delivered by a Biological Safety Cabinet (BSC). The BSC is designed for safety and performance, protecting personnel from bacteria, allergens, toxins, gasses and other hazardous materials.

Continuing to add to the animal research product line, Air Science® offers the [Purair® BIO BSC](#) Animal Workstation, designed to protect individuals, the environment and products from various biological particulates, serving as the primary barrier in animal science research and experimentation. These Class II Type A2 biological safety cabinets minimize and contain biosafety agents at levels 1, 2 and 3, while maintaining negative pressure inside the cabinet during operations to prevent contaminants from escaping the work area. In addition, an innovative surrounded air intake grille, coupled with a double-wall design, keeps all contaminated air contained and isolated within the cabinet.

Engineered for simplicity and efficiency, the Purair BIO BSC Animal Workstation utilizes HEPA filtration of the downflow and exhaust airflow paths to provide primary containment for the work area. This delivers protection for the user, the environment and the work while mitigating cross-contamination on the work surface, making it an ideal choice for the animal research laboratory where superior protection is critical.

[Contact us](#) for information on safety and protection for your animal research laboratory.

## PURAIR BIO BSC ANIMAL WORKSTATION FEATURES AND BENEFITS

- The [Purair BIO BSC](#) Animal Workstation is self-contained and does not require venting to the outside. In addition, because filtered air is returned to the room, there is no increased load requirement for facility HVAC make-up air. This eliminates the cost of additional facility ductwork construction as well as HVAC maintenance and overhead.
- HEPA filtration scours 70% of the incoming room air to protect the products, while the remaining 30% of the exhausted air is filtered by a second HEPA filter.
- Front access to both HEPA supply and exhaust filters encourages quick, safe filter removal and replacement by an authorized technician.
- The Purair BIO BSC Animal Workstation does not use a costly and overcomplicated microprocessor-based controller. Instead, the basic electronic control system provides simple and reliable oversight of all cabinet systems.
- Designed with VIRO-CUT™ antibacterial stainless steel, the cabinet interior includes an anti-growth chemical embedded throughout, ensuring that regular cleaning and disinfecting activities will not degrade the antibacterial properties.





## AIR SCIENCE ANIMAL RESEARCH PRODUCTS

Air Science has incorporated years of research and development into their line of products engineered to meet the needs of the animal research laboratory. Setting the standard for safety and efficiency, this new product line offers superior protection for people, products and the environment at an affordable price, delivering the Air Science brand of reliability and performance. [Learn more.](#)

### PURAIR BIO BSC ANIMAL WORKSTATION

Air Science **Purair BIO BSC** Animal Workstations provide superior protection with ample workspace, environmentally sound operation, low energy consumption and user-friendly operation. Standard utilities, including water, gas, vacuum and drain are provided for convenience while performing animal procedures in the research setting. Optional adjustable stands and motorized carts are also available for enhanced laboratory flexibility.



The **DWS** Animal Procedure & Anesthesia Workstation incorporates exclusive Air Science **Multiplex™ Filtration Technology**, customizable to meet a wide range of multiple-use applications, including HEPA filtration to provide superior personnel protection against particulates. Product installation and maintenance are straightforward, and units are easily transported to accommodate changing laboratory operations with a minimum amount of downtime.



The Purair **CAGEX™** ductless fume hood for animal cage changing features high level performance at an affordable price. Utilizing **Multiplex Filtration Technology** incorporating carbon and HEPA filtration, the CAGEX is designed to protect the user and environment from odors and particulates generated during cage changing and waste disposal operations.



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