



# ProtectAire®



**Class II A2 Biological Safety Cabinet**

**AirClean® Systems**  
The Fume Control Experts.

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# ProtectAire®

## Class II A2 Biological Safety Cabinet

ProtectAire Class II A2 Biological Safety Cabinets are designed to provide product, personnel, and environmental protection through the combination of unidirectional downflow ULPA filtered air with high velocity inflow room air to create an active air barrier. At the front of the chamber is an active air barrier that separates the laboratory from the work area and maintains a constant inflow speed to prevent environmental contaminants from entering the work area or potentially harmful contaminants from escaping.



### Unique Features:

- Dual DC centrifugal fans- 100-230V 50/60 hertz
- One-piece welded cabinet structure, leak proof
- ULPA filters to establish an ISO Class 1 environment within the cabinet
- Adjustable base stand with casters

### Standard Features:

- LCD screen display
- LED lighting
- UV sterilization lighting
- IV bar with hooks to hold IV bag during preparation
- Waterproof electrical outlets



**NSF 49 CERTIFIED**



**UL LISTED**

*Pictured is the AC48A2, 4-foot Class II A2 Biological Safety Cabinet with adjustable height stand configured in the maximum height position*

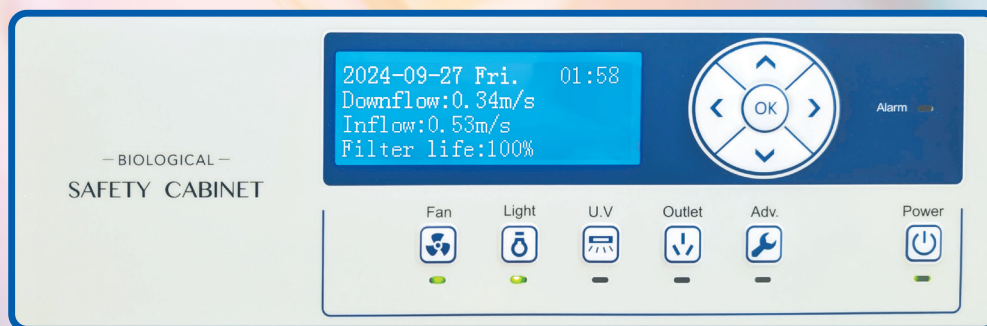
ProtectAire cabinets are designed and certified with Dual DC centrifugal fans, combined with an innovative air distribution system. This design creates a low noise and more uniform air flow than other safety cabinets.



### Ergonomic Design

- Platform arm rest frame, comfortable to use, relieves fatigue.
- Wear-resistant and easy to clean. The inner liner is manufactured with stainless steel one-piece structure, 1/2" large arc transition and no dead angles to clean.
- The work surface is manufactured with 304 stainless-steel.
- The exterior of the cabinet is manufactured with cold-rolled steel with corrosion-resistant epoxy resin powder paint that is resistant to acid and alkali corrosion.
- Casters and stand are cold-rolled steel with corrosion resistant epoxy resin powder paint. The stand is adjustable from a seated position to standing.
- Standard with two waterproof electrical sockets with timing technology allows users to program timed on/off functionality.

## Microprocessor Controller



### Features:

- Simple, intuitive, and informative digital LCD display
- Real-time display of operational information and parameters including downflow air velocity, flow rate, temperature, humidity, positive pressure, negative pressure, fan cumulative running time, and filter remaining service life.
- One touch UV lamp timer function allows user to set 0 to 24 hours of automatic on/off time.
- The hot-ball anemometer monitors the downflow and inflow airflow speed of the safety cabinet. This data is used to automatically adjust the Dual DC centrifugal fans to maintain the safe constant airflow of the safety cabinet.



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ProtectAire Class II A2 Biological Safety Cabinets are indispensable devices in various laboratory environments, including pharmaceutical development, clinical research, microbiology laboratories, and pharmacy drug compounding. Providing an ideal environment for applications involving pathogens or sterile materials, where rigorous control of cross-contamination is crucial. In tissue culture labs, ProtectAire Class II A2 Biological Safety Cabinets provide an aseptic environment for manipulating sensitive samples. In pharmacy settings, these cabinets ensure the sterility of compounded medications, safeguarding pharmaceutical preparations from microbial contamination and environmental pollutants—critical for patient safety and product efficacy.



### Options:

- Water fixture
- Gas fixture
- Compressed air fixture
- Vacuum fixture
- Canopy connection

### Typical Applications:

- Pharmaceutical development
- Clinical research
- Microbiology laboratories
- Pharmacy drug compounding
- Pathogen and sterile material handling
- Tissue culture

PRODUCT #	DESCRIPTION
AC48A2	4-foot ProtectAire Class II A2 Biological Safety Cabinet and stand
AC72A2	6-foot ProtectAire Class II A2 Biological Safety Cabinet and stand

# AirClean® Systems

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