

# SafeMail™

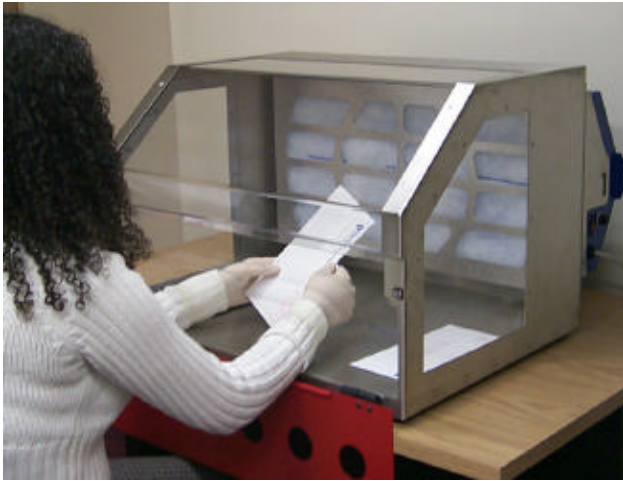
by Custom Air Controls

Model 100

Source Capture Hood

## General Product Description

Concern over bio-terrorism is at an all-time high after recent anthrax mail attacks. Workers are afraid to open their mail. SafeMail™, a product designed to enhance mail safety, is now available!



*SafeMail® desktop unit*

Custom Air Controls (CAC) has been designing and supplying air purification systems for infectious disease control in health care facilities for 10 years. CAC is now bringing the same risk reduction strategies to mail safety.

While no one should open mail that is considered suspicious, it is conceivable that "non-suspicious" mail may also be contaminated.

The SafeMail™ source capture hood is an enclosure in which you may open mail. Air is pulled into the hood through the opening in the front of the unit. The air is then drawn through a HEPA filter in order to remove airborne contaminants. This helps to reduce the risk of the spread of pathogens that may be contained in the mail.

When the unit is not being used to open mail, it may also serve as a supplemental air purifier helping to keep the work environment clean.

An optional illuminated surface in the hood base allows the user to see through many envelopes to help determine if there are foreign substances present.

In the case that a piece of contaminated mail is found, you simply close the perforated door on the front of the unit. The mail is then kept in a contained, controlled environment until the proper authorities arrive.

## Applications

The SafeMail™ system may be used by anyone who is concerned with the safety of employees who open mail. Potential users include:

- Postal facilities
- Government institutions
- Television stations
- Radio Stations
- Newspapers
- Military
- High Profile Corporations



## **Recommendations**

In the CDC Health Advisory issued 10/31/01 regarding protection of workers from exposure to anthrax when handling mail, the CDC stresses the importance of engineering controls.

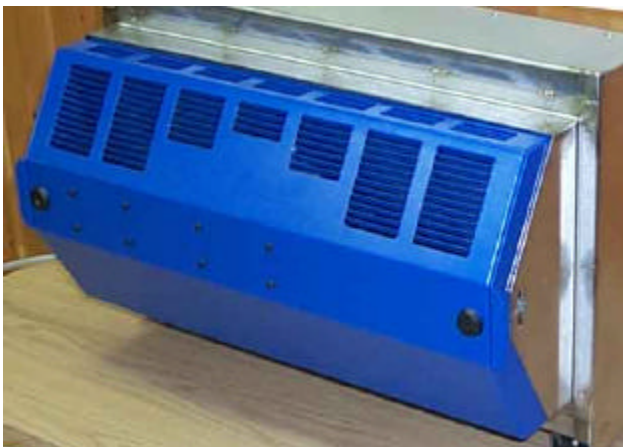
*“Engineering controls can provide the best means of preventing worker exposure to potential aerosolized particles, thereby reducing the risk for inhalational anthrax, the most severe form of the disease.”*

Included in the CDC recommendations are “HEPA filtered exhaust hoods installed in areas where dust is generated” and “HEPA filters installed in the buildings HVAC systems to capture aerosolized spores”.

The SafeMail™ system utilizes this same HEPA technology in each unit.

## **HEPA Filter Specifications**

Each SafeMail™ HEPA filter shall have a minimum efficiency of 99.97% on 0.3 micron size particles when tested on a Q-107 Penetrometer. This testing is done in compliance with Institute of Environmental Science standard IES-RP-CC001.3. Each filter is individually tested and labeled to show compliance with this standard.



*SafeMail™ Fan Pack*

**Custom Air Controls, Inc.**  
PO Box 768 \* Amsterdam, NY 12010  
Phone: 1-800-836-6350 Fax: 518-843-9159  
[www.safemailsystems.com](http://www.safemailsystems.com)

## **Construction**

The hood portion of the unit is constructed of stainless steel and has clear Lexan viewing panels on the top and sides of the unit.

The removable back panel of the unit which includes the HEPA filter and blower, is made of heavy duty, powder coated, galvanized steel. This model is available both as a desktop and portable table mounted unit.



*SafeMail™ with emergency door closed*

## **SafeMail™ Specifications**

Size	26"W x 24"D x 18"H
Electrical	120 volt 1.7 amps
Air Volume	140 CFM
Air Velocity	110 FPM
Air Filters:	
HEPA	99.97% @ 0.3 microns
Pre	70% @ 1.0 microns
Weight:	67 lbs

For more information on SafeMail™, please visit us on the WEB, [www.safemailsystems.com](http://www.safemailsystems.com).

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