

When **YOUR** laboratory fume hoods are left open...



Codes & Standards

NFPA 45 8-8.3* Laboratory Hood Sash Closure. Laboratory hood sashes shall be kept closed whenever possible. When a fume hood is unattended, its sash shall remain fully closed.

ANSI/AIHA Z9.5-2003 ** 3.1.1.4 Automatic Sash Closers. The following factors shall be considered before automatic sash closing devices are installed on a laboratory chemical hood.

- Automatic sash positioning systems shall have obstruction sensing capable of stopping travel during sash closing operations without breaking glassware, etc.
- Automatic sash positioning shall allow manual override of positioning with forces of no more than 45 [N] mechanism (10 lbs.) both when powered and during fault modes during power failures.

NFPA standards have been referenced by the federal government's Occupational Safety and Health Administration, the Veterans Administration, the Department of Health and Human Services, and other federal agencies. In addition, many NFPA standards are referenced by the Building Codes making them code and law.

ANSI/AIHA Z9.5 Clarification and Explanation of the Requirements:**

"Having the sash closed is an additional measure of safety since this condition will provide additional containment in the event of a hazardous release."

"If the user does not close the sash, energy consumption will increase and an automatic sash closer may be advantageous."

Liability

Lab personnel are unnecessarily exposed to hazards associated with open sashes

Minimize exposure assuring maximum containment with sashes closed most of the time. Maximum containment reduces liability.

"A Safe Hood has a Closed Sash"

Energy

HVAC systems with hoods having face velocity controls, designed with diversity, exceed equipment capability.

The HVAC system fails to achieve energy savings.

Shortages of heating, cooling and total exhaust air result.

Procedures

Safe handling methods encourage sashes to remain open.

Holding chemicals while moving the sash bypasses lab procedures.

Open sashes eliminate cross contamination caused by touching sashes.

"The Cost Savings SAFETY Solution for YOUR Vertical Rising Sash Fume Hoods"

Automatic SASH Positioning System

FEATURES:

- Automatically opens & closes sash.
- Protects against closing on objects, even glass.
- Provides both fully automatic and push-button opening modes.
- Improves productivity by total hands free operation.
- Sash can be manually moved.
- Optimize face velocity control system containment.
- Designed for field retrofit.
- Units in service since 1988.
- Provides an ADA barrier free environment

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