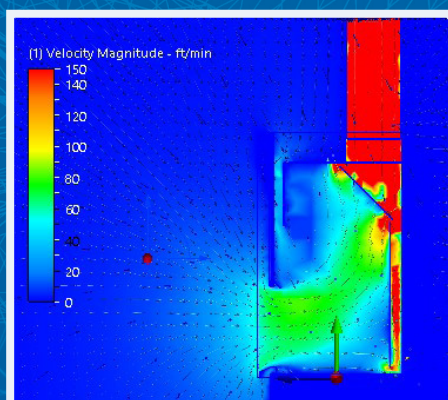




SAFT FLOW™ FUME HOOD

SUPERIOR ENGINEERING, ASSEMBLY & PERFORMANCE



INNOVATIVE OVERLAPPING
SASH BYPASS DESIGN



- Provides superior ASHRAE 110 containment results, under a wide range of constant volume and VAV conditions
- Constant volume or VAV capable without altering bypass
- **60% energy savings** possible at the same demonstrated containment using lower face velocities



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WORLD LEADER IN CONTAINMENT SOLUTIONS.



PROCESS

Processes include research chemistry, chemical synthesis, acid etching, petroleum synthesis or analysis, mineral diagnostic, and many more.



CONTAINMENT

Conforms with ASHRAE-110 standards. Additional testing shows excellent vapor and powder containment during processes following ISPE guidelines.



EQUIPMENT

Accommodates glassware, heating mantels, weighing devices, packaging equipment, pressure bombs, distillation columns, ovens, pumps, RF heaters, etc.

SAFETY & DESIGN

Our SAFT FLOW™ fume hood series contains processes that create fumes, particulate, and dust. Secondly, these fume hoods protect users from application hazards such as fires, chemical spills, and adverse reactions. Their durable construction ensures containment under a wide range of applications. It's modular construction enables easy access to valve configurations and plumbing for easy modifications.

APPLICATIONS

The LEV III™ series protects against applications that involve APIs and other toxic materials/powders.

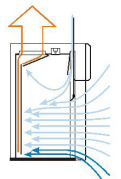
STRUCTURAL MATERIALS

The fume hood frame is heavy gauge steel ensuring it can support the weight of the entire fume hood. The sash and sash bypass are glass, and the outer panels are powder-coated stainless steel. A chain drive and counterweight system make the sash an easy-lift system rated for a minimum of 50,000 cycles.

OVERLAPPING SASH BYPASS

The Overlapping Sash Bypass (OSB) uses bypass air to clear fumes from behind the main sash. Meaning exhausted air is re-used to add containment. We have tested our OSB from 100 FPM (fully open sash) down to 60 FPM (18" sash opening) with ASHRAE 110 containment equipment. The results did not show any difference in containment performance at any face velocity or opening within this range.

STABILIZING BAFFLE



The stabilizing baffle is at the back of the interior workspace and has slots oriented on both the X and Y axis to promote even airflow. The baffle is also removable for easy cleaning.

SLIDE-OUT TOP SYSTEM

This series comes standard with a chemically resistant phenolic resin base. The edges of the base are channeled/dished out to contain spills within the containment zone.

CHAIN & DRIVE

The #35 steel chain drive will run 50,000 cycles without breaking.

STANDARD SIZES

Available in 2', 3', and 4' options to best suit your application. Custom sizes available.



HAVE A QUESTION OR NEED A QUOTE?

Please feel free to contact us online at www.flowsciences.com or call 1-800-849-3429. We are here to help you find the containment solution that best suits your needs and applications!

TASK MATCH

BY FLOW SCIENCES, INC.

SEARCH OUR TASKMATCH DATABASE



Visit flowsciences.com/taskmatch and search for **14159-01** or **Perchloric Fume Hood** to see this Perchloric Fume Hood and more.

*Containment capabilities dependent on standard operating procedures (SOPs).