

Most Extensive Line of Laboratory Fume Hoods in the Industry

# UniFlow SE Aire Stream Fume Hoods

by HEMCO®



## UniFlow

Laboratory Fume Hoods are available in

1. UniFlow LE Walk-In Fume Hoods sizes 48", 60", 72" & 96" wide, 36" & 48" deep
  2. UniFlow SE Walk-In Fume Hoods sizes 48", 60", 72" & 96" wide, 30", 36" & 48" deep
  3. UniFlow SE Aire-Stream Fume Hoods sizes 48", 60", 72", 84" & 96" wide, 32", 38" & 44" deep
  4. UniFlow LE Fume Hoods sizes 36", 48", 60", 72" & 96" wide, and depths of 32"
  5. UniFlow CE Fume Hoods sizes 30", 36", 48" & 72" wide, and depths of 24"
- Reduce Energy costs up to 50% with HEMCO Sash Management 1-2-3, which provides maximum energy efficiency and user protection.

**5** YEAR WARRANTY ON ALL UNIFLOW SE, LE, & CE U.L. 1805 CLASSIFIED MODELS



Specify UniFlow Fume Hoods on Your Next Lab Project

HEMCO is a corporate member of the following Professional Associations:



HEMCO Corporation  
711 S. Powell Road  
Independence, MO 64056  
SEASB-02.15

**HEMCO**  
ISO 9001:2008 Certified Company

Phone (816) 796-2900  
Fax (816) 796-3333  
www.HEMCOcorp.com



- U.L.1805 Classification defines requirements specific to Laboratory Fume Hoods & Cabinets
- This Classification covers construction, materials, flammability and containment performance
- HEMCO's test facility is compliant to test Fume Hoods for U.L.1805 Classification



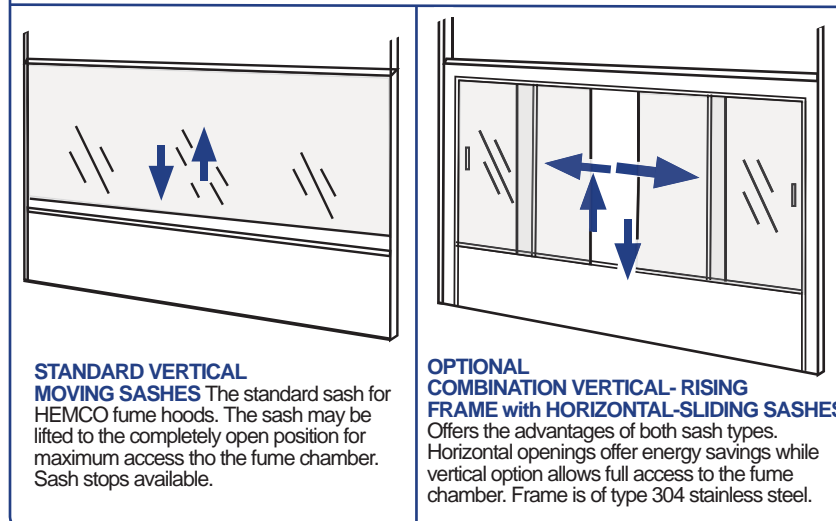
# UniFlow SE Aire Stream Fume Hoods

High efficiency, full duty fume hood in 48", 60" 72" and 96" widths. UniFlow SE Aire Stream fume hoods are designed for energy savings and maximum user protection. The aerodynamic face opening with airfoil provides uniform airflow through the fume chamber. A constant volume low flow hood with VaraFlow baffle system directs the air through the fume chamber to the bell shaped exhaust outlet with minimal turbulence.



SE Aire Stream Hood Cat. No. 45621, shown with Epoxy worksurface & UniLine acid storage cabinet.

## SASH OPTIONS



**UniFlow Superstructure** non-metallic construction (**no rust**) for total chemical resistance, superior durability and long life. Interior fume chamber one piece glass smooth, all coved corners for ease of cleaning. Unitized construction reduces weight for ease of installation. 5 year warranty.

**Access Panel** removable to access ducting connections, plumbing & electrical services from a single point electrical box, 115V/60Hz AC operation. Energy efficient T-5 two-bulb vapor proof fluorescent light fixture with polished stainless steel reflectors, and light switch on left column, all factory installed.

**Air Flow Monitor** continuously monitors face velocity airflow, comes standard with analog, digital available. Meets ANSI and OSHA requirements.

**Vertical Sash** to be counterbalanced connected with coated stainless steel cables, 3/16" tempered safety glass with chemical resistant non-metallic PVC framing track and aerodynamic sash lift.

**Angled Picture Frame Opening** the aerodynamic face opening with air foil provides uniform air flow into the fume chamber and thru the Aire Stream baffle system.

**Full 36" Viewing Height** for ease of access, unobstructed view of fume chamber, and working with tall apparatus and distillation grids. Ergonomic sash lift contoured for efficient airflow and ease of movement, standard equipment.

**Sash Stop** located at 1/2 open to reduce airflow 50%, **Standard equipment.** Cat. No. 51651

**Aire Stream Baffle System** Features volume flow slots for low flow and high performance. Maintains uniform airflow thru the baffle system to bell shaped exhaust collar outlet.

**Low Resistance Exhaust Collar** Optional see factory for details.



# UniFlow SE Aire Stream Fume Hoods

## UNIFLOW SE AIRE STREAM DESCRIPTIONS

1. UniFlow SE Aire Stream CAV Fume Hood: Air By-pass low flow, constant air volume hood. Dual wall unitized construction, all non-metallic corrosion and fire resistant composite fiberglass construction. Varaflow baffle system and transition bell exhaust connection. Molded one-piece fume chamber with white glass-smooth surface with all coved corners. Vertical sash to be counter balanced 3/16" tempered safety glass with chemical resistant non-metallic PVC framing track and aerodynamic sash lift. Vapor proof two bulb T-5 Fluorescent light fixture and control switch are wired to a single point junction box. 115V/60Hz, AC All electrical components are U.L. listed. Optional electrical services Fume hood is U.L.1805 classified	Hood Depth "B"	Fume Hood Width "A"			
		48" Cat. No.	60" Cat. No.	72" Cat. No.	96" Cat. No.
2. UniFlow SE Aire Stream VAV Fume Hood: Same as #1 above except equipped with variable air volume VAV restricted by-pass feature in place of CAV by-pass feature. Ducting must be connected to optional VAV exhaust system controls.	32"	45421	45521	45621	45821
	38"	45431	45531	45631	45831
3. UniFlow SE Aire Stream Fume Hood with Explosion-Proof Light: Same as #1 above except, equipped with explosion proof incandescent light fixture. Class I Division II Group A B C & D, Class II Division II Group F & G, 115V/60Hz U.L. listed fixture is installed but not wired. Must be field wired to comply with codes. Optional explosion proof switches, receptacles.	32"	45422	45522	45622	45822
	38"	45432	45532	45632	45832
4. UniFlow SE Aire Stream Fume Hood: Same as #1 above except equipped to comply to international electrical configuration. 220V/50Hz AC Optional international electrical configuration, electrical switches, receptacles.	32"	45423	45523	45623	45823
	38"	45433	45533	45633	45833
5. Horizontal Sliding Sash Option: Add suffix to number above	32"	45424	45524	45624	45824
	38"	45434	45534	45634	45834
6. Combination Sliding Sash Option: Add suffix to number above	NA	45HS-4	45HS-5	45HS-6	45HS-8
	NA	45CS-4	45CS-5	45CS-6	45CS-8

