

UniFlow LE Laboratory Fume Hoods (Series 35)

Full Duty Fume Hoods featuring Low Flow and Constant Volume Design for Budget Sensitive Projects.



UniFlow LE Fume Hood #35411 shown with optional service fixtures, plumbing & electrical, airflow monitor, worksurface, base cabinet, and accessories. HEMCO recommends all fume hoods be equipped with an airflow monitor

The UniFlow LE Fume Hoods are low flow constant volume for high efficiency energy saving and maximum user protection. The aerodynamic face opening with airfoil provides uniform airflow into the fume chamber. Available in sizes 48", 60", 72" and 96" wide x 48" height x 32" depth.

The VaraFlow baffle system directs the airflow through the fume chamber to the exhaust outlet with minimum turbulence and maximum airflow efficiency.

UniFlow LE Model Hood Features

UniFlow Superstructure

Exclusive unitized composite construction for superior chemical resistance, strength, and durability.

Extended Viewing Height

Full 32" height allows unobstructed vision into fume chamber

Fume Chamber

Molded one piece with all corners covered. Surface is glass smooth for ease of cleaning and excellent light reflectivity.

Ergonomic Sash Lift

Contoured for efficient airflow and ease of movement

Aerodynamic Airfoil

Ergonomic aerodynamic design allows air to sweep across the worksurface and maintain uniform airflow.

VaraFlow Baffle System

Maintains uniform airflow through fume chamber.

Angled Picture Frame Opening

Efficient air entry into fume chamber.

COMPLETE YOUR FUME HOOD INSTALLATION

Refer to HEMCO's PLAN-A-HOOD on page 26 to assist in the planning of your UNIFLOW Fume Hoods.

OPTIONAL ACCESSORIES

Ventilation Systems

(Blowers, Filters and Scrubbers)
see pages 34-39

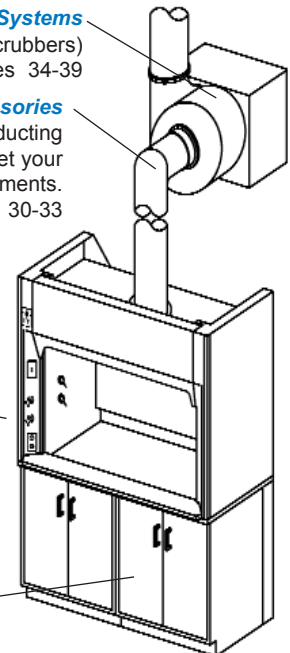
Ducting and Ducting Accessories

HEMCO offers a full line of ducting accessories to meet your specific requirements.
see pages 30-33

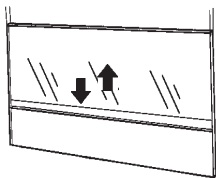
Airflow Monitors and Sash Stop
see page 11

Plumbing and Electrical Services
Factory installed according to your exact specifications
see pages 27-28

Base Cabinets and Worksurfaces
see pages 24-25

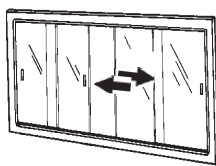


SASH OPTIONS



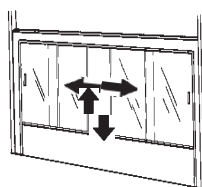
VERTICAL MOVING SASH

The standard sash for HEMCO fume hoods. The sash may be lifted to the completely open position for maximum access to the fume chamber. Sash stops available. See page 5.



HORIZONTAL MOVING SASH

The maximum sash opening for the horizontal sash is 1/2 to 2/3 that of the vertical sash. The opening is smaller, less air is exhausted resulting in energy savings. See page 5.



COMBINATION MOVING SASH

Offers the advantages of both sash types. Horizontal openings offer energy savings while vertical option allows full access to the fume chamber. See page 5.

UNIFLOW LE Laboratory Fume Hoods (Series 35)

SPECIFICATIONS		FUME HOOD WIDTH			
		48"	60"	72"	96"
1. UniFlow LE Fume Hood with Vapor-Proof Light. Superstructure to be unitized corrosion and fire resistant, non-metallic composite fiberglass construction, one piece fume chamber liner to have white glass smooth molded-in finish and all covered corners. Adjustable VaraFlow baffle system and bell shaped exhaust collar. Picture frame sash opening with counter balanced clear tempered safety glass sash with chemical resistant PVC framing, track and aerodynamic sash lift. Vapor-proof light fixture and switch prewired to single point junction box, 115 volt, 60Hz, AC. All electrical components UL listed. Remote exhaust blower see pages 34-35.		Cat. No. 35411	Cat. No. 35511	Cat. No. 35611	Cat. No. 35811
2. UniFlow LE By-Pass Fume Hood with Explosion-Proof Light. Same as #1 above except equipped with explosion-proof vapor-proof light fixture Class I, Group C & D, Class II Group E, F & G electrical fixture installed but not wired, must be wired to comply with local codes. 115 volt, 60Hz AC. For other explosion-proof electrical options see page 29 and explosion-proof exhaust blowers on pages 34-35. All electrical components UL Listed.		Cat. No. 35413	Cat. No. 35513	Cat. No. 35613	Cat. No. 35813
CONVENTIONAL SPECIFICATIONS					
3. UniFlow LE Conventional Fume Hood with Vapor-Proof Light. UniFlow Bypass Fume Hood with Explosion-Proof Light - Same as #1 above except equipped with explosion-proof, vapor-proof light fixture, Class I, Group C & D, Class II, Group E, F & G, 115 volt 60Hz AC, UL Listed. Installed but not wired, must be wired to comply with local codes. For explosion-proof electrical options see page 29. Explosion-proof exhaust blower see pages 34-35. Fire extinguisher see page 28.		Cat. No. 35401	Cat. No. 35501	Cat. No. 35601	Cat. No. 35801
4. UniFlow LE Conventional Fume Hood with Explosion-Proof Light. Same as #3 above except equipped with explosion-proof vapor-proof light fixture Class I, Group C & D, Class II Group E, F & G electrical fixture installed but not wired, must be wired to comply with local codes. 115 volt, 60Hz AC. For other explosion-proof electrical options see page 29 and explosion-proof exhaust blowers on pages 34-35. All electrical components UL Listed.		Cat. No. 35403	Cat. No. 35503	Cat. No. 35603	Cat. No. 35803
5. Horizontal Sliding Sash Option - Add suffix to catalog number.		35HS-4	35HS-5	35HS-6	35HS-8
6. Combination Sliding Sash Option - Add suffix to catalog number.		35CS-4	35CS-5	35CS-6	35CS-8

UNIFLOW LE LABORATORY FUME HOODS

FUME HOOD SIZES				
A	48"	60"	72"	96"
B	38-3/4"	50-5/8"	61-3/4"	85-3/4"
C	24"	30"	36"	(2) 24"
D	10"	10"	12"	(2) 10"

EXHAUST AIR VOLUME REQUIRED FOR 100 FPM WITH SASH FULLY OPEN				
48"	60"	72"	96"	
773 CFM	938 CFM	1162 CFM	1613 CFM	
100 FPM WITH SASH 50% OPEN				
385 CFM	474 CFM	592 CFM	800 CFM	

AIRFLOW MONITOR Cat. No. 51406
Continuously monitors face velocity airflow of fume hood. Select and calibrate at desired FPM velocity set point. If the hood face velocity falls below the set point, an audible alarm sounds and a visual red indicator light appears. Airflow alarm is factory installed or can be field installed. 115 volt 60Hz



SAFETY SASH STOP Cat. No. 51651
Factory installed to specified designated height. Also available for field installation.

