

UniFlow CE Laboratory Fume Hoods (Series 9)

Full Duty Fume Hoods in Space and Energy Saving Sizes of 30", 36" and 48" widths

These models are a low flow constant volume, LCV type fume hood that requires no VAV controls, no motorized baffles, no costly auxiliary air system and no special integral supply fans. These units can save 50% or more in costly exhaust volume typically

required to operate a conventional fume hood. The CE series accomplishes this superior containment performance through engineering and manufacturing features incorporated into the HEMCO line of Uniflow Laboratory Fume Hoods.

Compact Design Saves Space and Energy

UniFlow Superstructure

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

Fume Chamber

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

Vertical Moving Sash

Made of 3/16" tempered safety glass with chemical resistant PVC framing and track. Counter balanced for ease of movement.

Ergonomic Sash Lift

Contoured for efficient airflow and ease of movement

Service Fixtures

Color coded to specific service and mounted on right or left side. Electrical services also available.

Air Foil

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

Base Cabinet

Available in standard base, acid storage and base tables.

Access Panel

Easily removed for access to electrical, plumbing and control services.

AirFlow Monitor

Continuously monitors face velocity airflow of fume hood.

Extended Viewing Height

Full 26.5" height allows unobstructed vision into fume chamber.

VaraFlow Baffle System

Maintains uniform airflow through fume chamber.

Safety Sash Stop

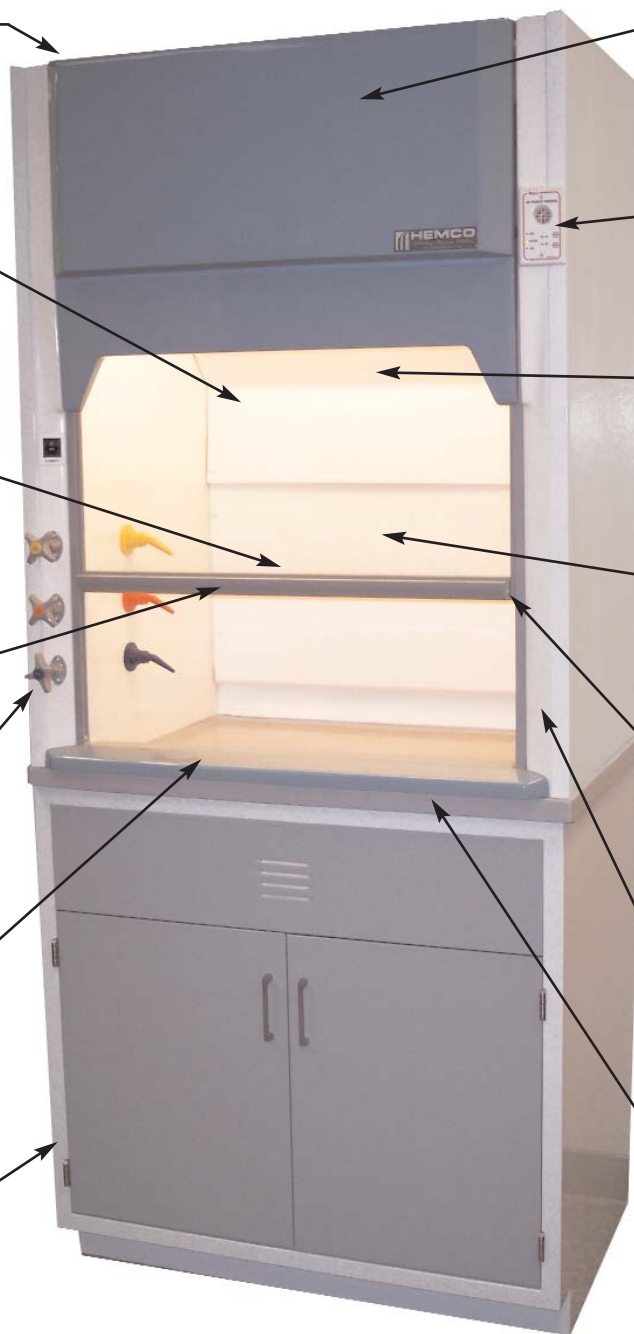
Limits sash opening to designed working height providing user protection and energy savings.

Angled Picture Frame Opening

Efficient air entry into fume chamber.

Worksurface

Chemical resistant composite construction 1.25" thick, work area is dished to contain spills.



Performance Tested to Ashrae 110-1995

UniFlow CE Model #14891 tested at 60 FPM & 100 FPM Face Velocity. Flow visualization (smoke test) small local challenge and large challenge were tested with "no escape". The SF-6 containment test

was conducted with the average parts per million of 0.001 PPM. The complete Ashrae 110-1995 test report is available. For a copy, please call HEMCO Customer Service 816-796-2900.

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SPECIFICATIONS	FUME HOOD WIDTH		
	30"	36"	48"
<p>1. UniFlow Compact 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.</p>	Cat. No. 13091	Cat. No. 13691	Cat. No. 14891
<p>2. UniFlow Compact Fume Hood with Vapor-Proof Light and Built-in Exhaust Blower. Same as #1 above except equipped with built-in corrosion resistant, vertical discharge, direct drive exhaust motor/blower, 115 volt, 60Hz, AC with control switches prewired to single point junction box. All electrical components UL listed. Maximum duct run of 20'. Ducting options see pages 32-33.</p>	Cat. No. 13092	Cat. No. 13692	Cat. No. 14892
<p>3. UniFlow Compact 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.</p>	Cat. No. 13093	Cat. No. 13693	Cat. No. 14893
<p>4. UniFlow Compact Fume Hood with Explosion-Proof Light and Built-in Explosion-Proof Exhaust Blower. Same as #3 above except equipped with built-in corrosion resistant, non sparking, explosion-proof motor/blower exhaust system, Class I, Group C & D, Class II, Group E, F & G, 115 volt, 60Hz, AC. Explosion-proof exhaust blower and light are installed but not wired, must be wired to comply with local codes. Maximum duct run of 20'. For explosion-proof options see page 29. Fire extinguisher see page 28.</p>	Cat. No. 13094	Cat. No. 13694	Cat. No. 14894
<p>5. Epoxy Resin Worksurface - flat 3/4" thick</p>	13015	13615	14815
<p>6. Composite Resin Worksurface - dished interior to contain spillage 1 1/4" thick</p>	13017	13617	14817

FUME HOOD SIZES			
A	30"	36"	48"
B	23.5"	28.5"	40.5"
C	7"	10"	16"
D	4"	6"	8"

EXHAUST AIR VOLUME REQUIRED FOR 100 FPM WITH SASH FULLY OPEN			
30"	36"	48"	
378 CFM	460 CFM	654 CFM	
100 FPM WITH SASH 50% OPEN			
189 CFM	230 CFM	327 CFM	

UNIFLOW CE FUME HOODS

OUTLET COLLAR DIA. "D"

48

7

24

JCT BOX

"A"

TOP VIEW WITHOUT BLOWER (1 AND 3)

OUTLET COLLAR DIA. "D"

"C"

EXHAUST BLOWER

7

JCT BOX

"A"

TOP VIEW WITH BLOWER (2 AND 4)

SASH RAISES ABOVE TOP OF HOOD

3

VARAFLOW BAFFLE

SECTIONAL VIEW (2 AND 4)

35

21

SECTIONAL VIEW (1 AND 3)

45

26.5 VIEW HT

"B"

FRONT VIEW