UniMax™ *Large Floor Mount (Walk-In) Fume Hoods*

by **HEMCO**®

UniMax 8' X 6' X 12'
Catalog No. 81272/UG/F

UniMax Fume Hoods are designed to safely isolate large scale processes, oversized equipment, and tall distillation apparatus.

UNIMAX FLOOR MOUNTED (WALK-IN) HOODS

UniMax Floor Mounted (Walk-in) Hoods are designed to safely isolate materials and procedures from the surrounding area, and exhaust hazardous fumes.

UniMax 16'w X 6'd X 12'h
(UG)unframed glass door
(F) vapor proof fluorescent lighting
& center wall divider.   Cat No.161072

Chemical Resistant Modular Construction

UniMax floor mounted hoods are supplied in standard models from 6' to 24' wide, with various depth and height options. The unique modular construction features 2" thick walls that have chemical resistant composite resin or stainless steel surface panels. This also allows the hood to ship disassembled and able to be moved through standard lab entry doors for on site assembly.

Built To Your Project Requirement

Equipped with either recessed fluorescent lighting or explosion proof lighting to meet the needs of the work area.
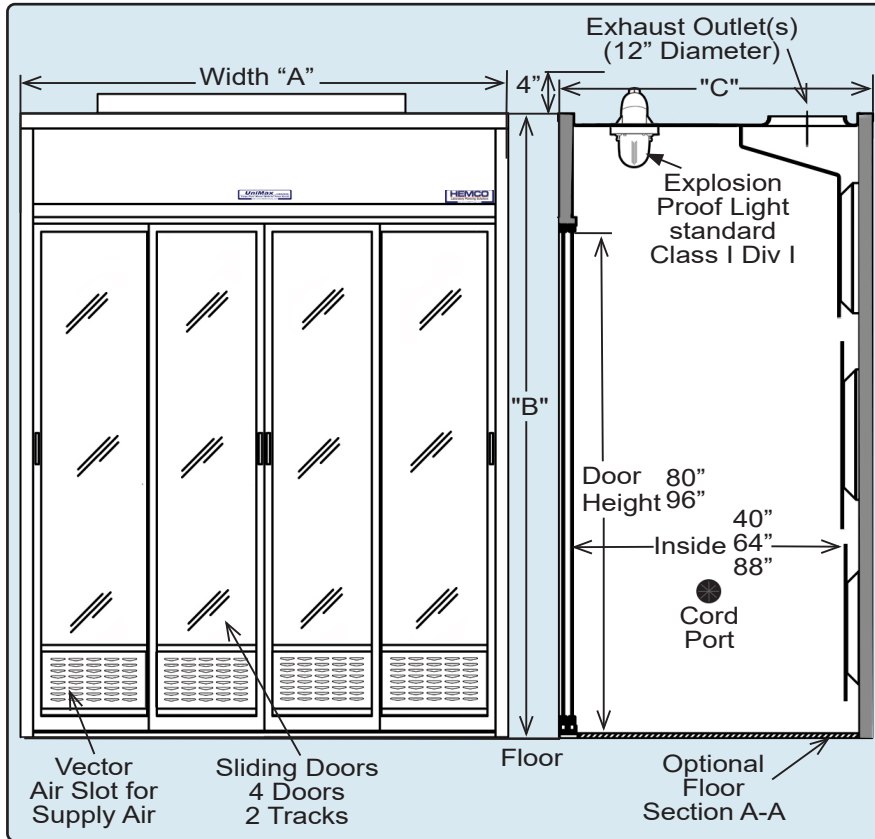
Fire Suppression System

Recommended for potentially flammable or volatile applications. Designed to meet the NFPA Standard for Dry Chemical Extinguishing systems NFPA-17, UL 1254 standard for Pre-Engineered Dry Chemical Extinguishing system units, and sized to fit specific interior cubic dimensions of UniMax

UNIMAX (WALK-IN) HOODS DESCRIPTIONS

Select a UniMax hood size. A. select width, B. select height, C. select depth

UniMax Floor Mount Hood Enclosures are perfect for the cannabis industry to isolate, contain, and vent extraction equipment processes. These hoods are designed to meet the size requirements and accessibility needs.

Dimensions		Depth "C"			Number of Exhaust Outlets
Width "A"	Height "B"	48" outside 42"inside	72" outside 66"inside	96" outside 90"inside	
6'	8'	60848	60872	60896	(1) 12" Dia
	10'	61048	61072	61096	
	12'	61248	61272	61296	
8'	8'	80848	80872	80896	(2) 12" Dia
	10'	81048	81072	81096	
	12'	81248	81272	81296	
10'	8'	100848	100872	100896	(2) 12"Dia
	10'	101048	101072	101096	
	12'	101248	101272	101296	
12'	8'	120848	120872	120896	(3) 12"Dia
	10'	121048	121072	121096	
	12'	121248	121272	121296	
16'	8'	160848	160872	160896	(4) 12"Dia
	10'	161048	161072	161096	
	12'	161248	161272	161296	
20'	8'	200848	200872	200896	(5) 12"Dia
	10'	201048	201072	201096	
	12'	201248	201272	201296	
24'	8'	240848	240872	240896	(6) 12"Dia
	10'	241048	241272	241296	
	12'	241248	240272	240296	

UNIMAX CANNABIS EXTRACTION FUME HOOD SPECIFICATIONS

UniMax Floor Mount Extraction Hoods are constructed and equipped as follows:

- Modular walls are of 2" thick rigid foam faced with chemical resistant and fire retardant composite resin panels that meets ASTM E-84 for a flame spread of less than 25.
- Structural framework is of clear anodized aluminum extrusions, non-sparking.
- Ceiling is fabricated of chemical resistant and fire retardant composite resin with molded-in exhaust duct connection collars.
- VaraFlow slotted rear baffle is factory installed.
- Front of hood shall have a horizontal slide door assembly with (4) aluminum framed tempered glass doors on (2) lower floor tracks.
- Explosion proof Class I Div I light fixtures are installed. Switch, bulb, and wiring are by others.
- (2) 3" Cord ports.

UNIMAX ENTRY ACCESS DOORS
Select the type of door required. Add FG, UG, FS, SC as suffix to hood model number.

✔ **FS – Framed Glass Doors with Floor Track**
Horizontal sliding door assembly includes (4) aluminum framed 3/16" tempered glass doors on (2) floor tracks with air bypass Vector inlet grills at the base of each door.

✔ **FG - Framed Glass Door with Overhead Suspension**
Horizontal sliding door assembly includes (4) aluminum framed 3/16" tempered glass doors on (2) overhead tracks with air bypass inlet Vector grills at the base of each door.

✔ **UG - Unframed Glass Door with Overhead Suspension**
Horizontal sliding door assembly includes (4) unframed 3/8" tempered glass panels on (2) overhead tracks with air inlet slots at the base of each door.

✔ **SC - Strip Curtains**
Clear vinyl 6" wide strip curtains suspend form overhead bracket track with 6" high air inlet gap below the curtains

UniMax 16'w X 8' dX 10'h
Catalog No.# 80848/FS/F

3

HAZMAX CONTAINMENT BASINS

HazMax Floor Mounted Hoods have a molded one-piece seamless composite resin spill containment basin. The basin is 8" high and includes a raised fiberglass deck grating. An optional ramp can be supplied for roll up/in access.

HazMax Spill Containment

✔ Lower basin is of molded one piece seamless chemical resistant composite resin construction to safely contain accidental spillage.

✔ Raised deck grating is of chemical resistant fiberglass material that allows spillage to flow through to basin below. Self draining to a single point drain. Engineered to meet the anticipated weight loads.

✔ Convenient lift out grating allows access to basin for cleaning and decontamination.

✔ Lower basin can be engineered to accommodate fork lift requirements.

✔ The lower basin can be engineered to contain a specified volume.

✔ Ramp with non-skid surface, 36" wide.

**UniMax 6' X 10' X 10'
Catalog No.# 608721/FS/F
with HazMax Basin & Ramp**

HAZMAX SPILL CONTAINMENT BASIN

FRP grating

Mounting brackets   Self draining to outlet   8"

A

Dimensions	Depth C	
Width A	48"	72"
6'	60848-CB	60872-CB
	61048-CB	61072-CB
	61248-CB	61272-CB
8'	80848-CB	80872-CB
	81048-CB	81072-CB
	81248-CB	81272-CB
10'	100848-CB	100872-CB
	101048-CB	101072-CB
	101248-CB	101272-CB
12'	120848-CB	120872-CB
	121048-CB	121072-CB
	121248-CB	121272-CB
16'	160848-CB	160872-CB
	161048-CB	161072-CB
	161248-CB	161272-CB
20'	200848-CB	200872-CB
	201048-CB	201072-CB
	201248-CB	201272-CB
24'	240848-CB	240872-CB
	241048-CB	241272-CB
	241248-CB	241272-CB

For Containment basin add suffix CB to UNIMAX model #

WORK SURFACES / APPARATUS GRIDS
Optional UniMax floor surfaces, and Apparatus Grids

✔ Epoxy Resin (ER-Worksurface)

Molded of thermosetting epoxy resin, these worksurfaces are 1" thick and recommended where greater chemical resistance is required. Surfaces are extremely hard, abrasive and heat resistant. Surface is flat and standard color is black. Consult factory for the option of having a raised perimeter ledge for spill containment.

✔ Phenolic Resin (PR-Worksurface)

Surfaces provide excellent chemical, thermal, and wear resistance. Surfaces are 1" thick and flat (not dished). Standard color is black. Consult factory for the option of having a raised perimeter ledge for spill containment.
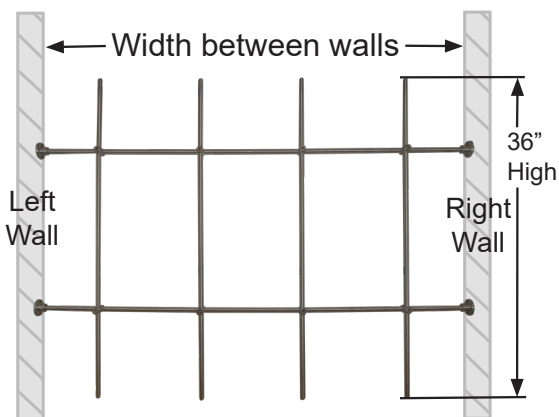
✔ Stainless Steel (SS-304 Worksurface)

Fabricated of type 304, 16 gauge stainless steel with a #4 satin finish. All corners, ends and joints are continuous heliarc welded and ground smooth. Surface is flat 1" thick and reinforced for equipment load.

UniMax 8' X 8' X 10'
Catalog No.# 80848/FS/WS/F
shown with worksurface and apparatus grid

DISTILLATION APPARATUS GRID

Offered in aluminum, stainless steel, and non-metallic composite plastic. Includes rods and all connectors. The 76" hood requires one (1) 6' assembly, the 100" hood requires two (2) 4' assemblies, and the 148" hood requires three (3) 4' assemblies. Factory installed when ordered with hood. May be field installed.

	72" width		100" width		112" width		148" width	
	Qty	Cat. No.	Qty	Cat. No.	Qty	Cat. No.	Qty	Cat. No.
1. Aluminum Rod Assembly	1	50261	2	50251	2	50251	3	50251
2. Stainless Steel Assembly	1	50262	2	50252	2	50252	3	50252
3. Plastic/ FG Assembly	1	50263	2	50253	2	50253	3	50253

ELECTRICAL PLUMBING SERVICE MODULUE / AIR FLOW MONITORS

Electrical Plumbing Service Module
Houses electrical and plumbing controls on the exterior side wall of the hood. Sized to accommodate the number of fixtures.
Cat. No. 50200

Air Flow Monitor with Digital Display Continuously monitors face velocity air flow of fume hood. A digital display of face velocity in m/sec or fpm that indicates safety reading with an audible alarm. Push button calibration and 3 programmable input/output relays. Factory installed or can be field installed.
Cat. No. 51410

Air Flow Monitor Analog
Continuously monitors face velocity air flow of fume hood. Select and calibrate at desired fpm velocity set point. If the hood face velocity falls below set point, an audible alarm sounds and a visual red indicator light appears. Air flow alarm is factory installed or can be field installed. 115V/60Hz AC.
Cat. No. 51406

UNIMAX ELECTRICAL & PLUMBING SERVICES

Select the type of lighting required. Add "LED", "F","UV" or "EP"as suffix.

LED Light Fixture Energy Efficient, Long Life, LEED Compatible, 4 foot electrical cord, Available in (3) sizes, For SE or LE models.
Hood size 36"(1) & 48"(1) **24" Model #51124**
Hood size 60"(1) and 96"(2) **36" Model #51136**
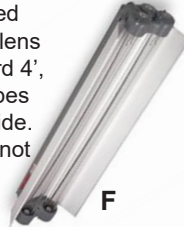Hood size 72"(1) **48" Model #51148**

LED

Fluorescent Lighting
Light fixture is mounted external behind a clear lens panel. Fixture is standard 4', (2) tube, 115V, with tubes changed from the outside. Fluorescent tubes are not included. UL listed.
Model #50248

F

UV Light
Light fixture is mounted internal to the fume chamber. Fixture is standard 4', (2) tube, 115V with tubes changed from inside the hood. Ultra-violet tubes are included. (Note the UV intensity needs to be specified) UL listed.
Model #50348

UV

ELECTRICAL SERVICES

Duplex Receptacle
115 V single phase receptacle. Installed on front column of fume hood. Includes junction box and cover plate. UL listed.
Cat. No. 50029-1 (15 amps)
Cat. No. 50029-2 (20 amps)

Single Receptacle
230 V single phase receptacle. Installed on front column of fume hood. Includes junction box and cover plate. UL listed.
Cat. No. 50029-1 (15 amps)
Cat. No. 50029-2 (20 amps)

Ground Fault Interrupter
Consists of combination ground fault interrupters and two duplex, 3-wire polarized grounded. Includes junction box and cover plate. UL Listed.
Cat. No. 50048-1 (15 amps)
Cat. No. 50048-2 (20 amps)

Light Switch
15 amps. Includes junction box **and cover plate. UL listed.**
Cat. No. 50028-1

EXPLOSION PROOF SERVICES (Class I Group C & D, Class II Group E, F & G)

Explosion-Proof Switch
For use in hazardous locations. Surface mount type with cast iron housing. 120 V-240 V, 20 amp. UL listed.
Cat. No. 50036

Explosion-Proof Receptacle
For use in hazardous locations. Surface mount type with aluminum housing, 3-pole, 2-wire, 115 V-230 V, 20 amp. UL listed.
Cat. No. 50037

Explosion-Proof Plug
Plug is adaptable for use with all receptacles. 3-pole, 2-wire, 115/230 V AC, 20 amp. UL listed.
Cat. No. 50039

Explosion-Proof Junction Box
For use in hazardous locations, on explosion-proof motors and blowers. UL listed.
Cat. No. 50049

EP
Explosion Proof Light
For use in hazardous locations. Accepts incandescent bulb up to 300 watts. 115V or 230V. Bulb not included. UL listed.
Cat.No. 50038

UNIMAX PLUMBING SERVICES

DI Faucet PVC
6" rigid PVC gooseneck for distilled water.
Cat. No. 50019

DI Faucet TL
Cold water 6" swivel tin-lined gooseneck. Chrome plated brass.
Cat. No. 50022

DI Faucet TL
Distilled water tin-lined outlet with flange and shank connection. Chrome plated brass **Cat. No. 50122-DI**

Water Faucet (Cold water) remote controlled 6" swivel gooseneck. Turret and gooseneck are epoxy coated brass.
Cat. No. 50112-CW

Oval Wall Cupsink 9" x 3"
Polypropylene with 1-1/2" IPS tailpiece and outlet strainer.
Cat. No. 40419

Service Fixture
Cold water, remote controlled epoxy coated brass turret.
Cat. No. 50112

Service Fixture
Remote controlled single service outlet. Color-coded index buttons with matching color coded serrated tip outlets.
Cat. No. 50113

Fume Hood Fire Extinguisher
For applications where flammable or explosive situations are present, this fire extinguisher provides protection against Class A, B, and C fires.
Cat. No. 53050

Cord Port Pass-Through
Allows cords, tubes or cables to pass to and from the fume hood. (Optional feature)
Cat. No 50100

UNIMAX VENTILATION SERVICES
Filtration, Blowers and Scrubbers for UniMax

HEMCO HEPA Filter Pak is designed to collect airborne particulate from the exhaust airstream. HEPA filter paks are sized meet the airflow requirements.

HEMCO Carbon Filter Pak is engineered to absorb and remove undesirable fumes and odors from the exhaust airstream. Carbon filter paks are sized to meet the airflow requirement.
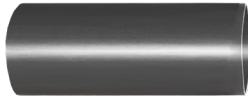
Note: Bag-in Bag-out HEPA and carbon filters are available for hazardous applications.

PVC DUCTING 12"

Determine the length of the ductwork and the number of elbows in the proposed exhaust system from the hood to the outside. HEMCO offers chemical resistant rigid PVC ducting and all component accessories to vent UniMax fume hoods. Examples shown are 12", other sizes available.

| 90 Elbow 12"
Cat.No. 80055 | Rigid Ducting 12"
Cat.No. 82013 | Balancing Damper
Cat.No. 82458 | Coupling 12"
Cat.No. 82159 | 45 Wye 12"
Cat.No. 82233 | Rain Skirt
Cat.No. 82336 | Weather Cap
Cat.No. 82358 |

EXHAUST BLOWERS

HEMCO exhaust blowers are sized to meet a specific exhaust application. To ensure correct airflow, it is imperative that the exhaust ventilation systems be specified to determine the total project static pressure loss.

HEMCO exhaust blowers are constructed of either economical epoxy resin coated steel or welded PVC. Blowers are belt drive, standard or explosion proof, include weather cover and drain, and can be 115 V, 230 V or 460 V; 1 ph or 3 ph, 50 Hz or 60 Hz.

FUME SCRUBBERS & FILTRATION

Fume Scrubbers provide excellent air pollution control for water soluble fumes and odors by moving contaminated air through a filter pack media exposing over forty square feet of surface per cubic foot. Contaminant is collected on filter media surface and rinsed off with water. Excess water is then mechanically removed and cleaned air is released. When conditions require, chemical additives can increase absorptive capacity of the scrubber. Unit includes integral recirculation tank and pump which significantly reduces water consumption and related waste disposal costs. Fan is not included, must be sized to meet exhaust requirements.

Replacement HEPA or Carbon Filtration

Roof-mounted without ducting option, if required.

UniMax **Double Entry Floor Mounted Hood # 161048/FG/F**
196" wide X 132" high X 60" deep. Entry is 90" wide X 114" high
on each side with 3/8" thick unframed tempered safety glass sliding doors.

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