

Laboratory Fume Hoods

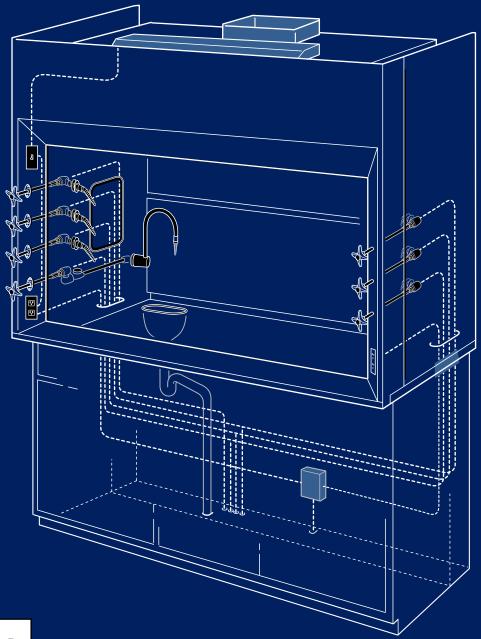






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Introduction

GENERAL – The name RDM has long been synonymous with quality and longevity. Our Fume Hood Product Line is a great example of the top-quality products we have to offer. Backed by over 50 years of experience and state-of-the-art engineering and testing facilities, we can provide you with a Fume Hood unsurpassed in quality and performance.

TESTING – Safety should be the number one concern when choosing a Fume Hood. That is why RDM tests and certifies each style Fume Hood in accordance with the current ASHRAE method of testing performance of laboratory Fume Hoods.

The ASHRAE 110 test procedure is an industry standard, recognized by SEFA and the American Conference of Governmental Industrial Hygienists, for safe Fume Hood performance.

DESIGN – The design of the RDM Fume Hood provides you with maximum safety at minimum cost. Incorporating standard options, such as combination sashes and sash stops, allows you to maintain face velocities while exhausting less air. Hence, the RDM Fume Hood costs less to operate than other conventional units.

REFERENCES – The American Industrial Hygiene Association, The American Conferences of Governmental Industrial Hygienists and the American Society of Heating, Refrigerating and Air-Conditioning Engineers have all published guidelines on Fume Hood face velocities and operating procedures.

Because the performance of a Fume Hood is greatly affected by the surrounding conditions, the recommendations in this catalog are based on normal or average conditions. For recommendations on ideal or extreme conditions, the guidelines published by the above referenced agencies should be followed.

SPECIFICATIONS – RDM Fume Hoods are manufactured in strict accordance with the specifications shown in this catalog. However, continuous testing and research may result in design and specification changes without advance notice.





Flow Patterns

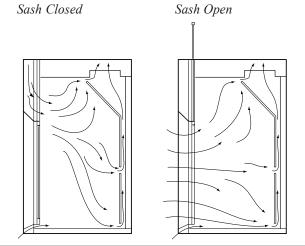
RDM / Laboratory Fume Hoods

Airfoil Bypass Hoods

The Airfoil Bypass Hoods have a double bypass to provide constant exhaust volume and limit changes in face velocity.

The upper bypass functions automatically with the raising and lowering of the sash. The lower bypass provides a continuous air sweep of the work surface.

When hood top enclosures are used, a bypass grille must be specified.



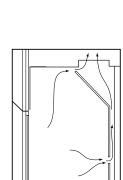
Airfoil Variable Air Volume Hoods

The Variable Air Volume (VAV) Hoods are designed to be used with exhaust control systems provided by other manufacturers.

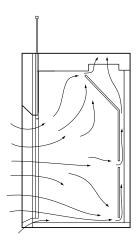
In lieu of an upper bypass the VAV Hood has a lintel which restricts the air intake of the Hood to the sash opening and lower bypass.

The commercially available exhaust control system will detect the movement of the sash and adjust the volume of air required to maintain a constant face velocity.

Factory mounting of the exhaust controls is available when specified.



Sash Closed

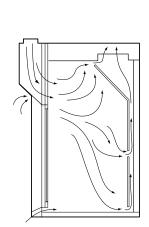


Sash Open

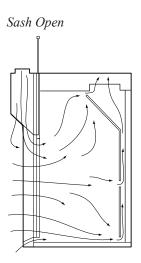
Airfoil Add Air Hoods

The Add Air Hoods provide up to 70% of the Hood exhaust requirements. With a bypass similar to the Airfoil Bypass Hood, outside air is introduced through the add air plenum, thus minimizing the amount of conditioned room air required.

When outside temperatures are extreme, it may be necessary to temper the incoming air.



Sash Closed



Planning

RDM / Laboratory Fume Hoods

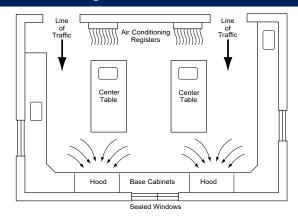


Figure 1 Good Locations

Fume Hood Selection

There are two main factors to consider when selecting a Fume Hood style.

First consider the type of work being performed in the Hood. The use of perchloric acid or radioactive materials requires a Fume Hood specifically designed for these materials. Large apparatus or complex set-ups may require the use of a low bench or walk-in Fume Hood to accommodate the space requirements.

The second consideration in selecting a Fume Hood style is the air consumption of the hood. Operation of a Fume Hood requires a relatively large volume of room air.

If you determine that the amount of air being supplied to the room is adequate to accommodate the exhaust volume of the Fume Hood the ByPass style Fume Hood would be an excellent choice.

If there is not enough supply air available, the Add Air style may be the right choice.

The Variable Air Volume Style Fume Hood is designed to be used with an adjustable damper system in the ductwork. The use of this Hood will, when used in conjunction with a VAV control system, drastically reduce the total amount of air consumed. This makes the Variable Air Volume Style Hood a good choice when trying to reduce air consumption for energy cost savings or when there simply is not enough available supply air.

For more information see "Flow Patterns" on Page 3.

Fume Hood Locations

Location of the Fume Hood is of prime importance, since a variety of conditions will affect the performance of the Hood.

When selecting a location for the Fume Hood, operator convenience, workflow and exhaust duct locations should all be considered. In addition, an attempt should be made to keep the hood away from the line of traffic. It is both inconvenient and dangerous to install a Fume Hood so that the operator is forced to work in the line of traffic movement.

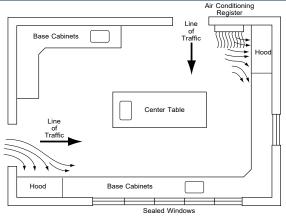


Figure 2 Poor Locations

The presence of cross-drafts will adversely affect the performance or the Fume Hood. For this reason, it is a good idea not to locate the Fume Hood near open doors and windows. High velocity air diffusers located directly in front of the Fume Hood could actually draw fumes out of the Hood and into the room. Although there is no single preferred method for delivery of make-up air, it is a good idea to locate the Fume Hood as far from the air diffuser as possible so that the air first sweeps through the laboratory working area and then into the Fume Hood.

Fume Hood Velocity Selection

Selection of the Fume Hood face velocity should be directly related to the location of the Fume Hood. A Fume Hood in a good location, as shown in Fig. 1, should operate properly at a face velocity of 75 FPM. A poorly located Fume Hood, as shown in Fig. 2, may require a face velocity of 125 FPM to maintain proper performance.

Since most fume hood installations require some type of location compromise, a face velocity of 100 FPM is usually the norm. Fume Hoods with a high heat source may require slightly higher face velocities.

OSHA calls for, but does not require, a face velocity of 150 FPM for Fume Hoods used with any of the 13 carcinogens listed in OSHA 1910.1003 et seq. (OSHA 1978). Studies have shown that hoods operated at face velocities of 150 FPM and greater often perform poorer than if operated at a lower face velocity, due to disruptive air turbulence at the perimeter of the Hood opening and in the wake of objects placed inside the work area of the Hood.

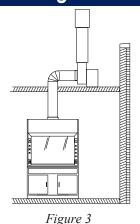
Fume Hood Blowers & Ductwork

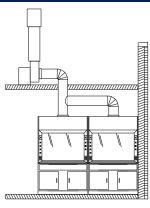
The blower and ductwork control the amount of air moving through the Fume Hood. For this reason, it is extremely important that they be installed and maintained properly.

By using the chart on page 34, you can choose the correct blower

Planning

RDM / Laboratory Fume Hoods





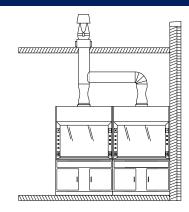


Figure 4

Figure 5

Whenever possible exhaust blowers should be located on the roof of the building. This will ensure that the ductwork inside the building will remain under negative pressure preventing leakage of contaminated air into occupied spaces.

Supply or add-air blowers may be located on the rooftop, side ledge, warehouse space or any other suitable location. The prime concerns when locating the add-air blower is that it remains far enough away from other exhaust outlets to avoid cross-contamination. The other consideration is the temperature of the incoming air. Locating the add-air blower in an area of semi-conditioned air, like a warehouse, may provide a more comfortable work area at the front of the Hood, while avoiding the need to condition the supply air.

Add-Air Fume Hoods require the use of both an exhaust blower and a supply blower. It is recommended that both blowers be connected to a single on/off switch. This will avoid the possibility of room contamination by turning on only the supply blower.

When using high concentrations of aerosols, solvents or other flammable vapors inside the fume hood, an exhaust blower with a non-sparking wheel and explosion-proof motor may have to be used.

The duct material should be resistant to the materials used in the Fume Hood. PVC, coated steel and stainless steel are all common choices. The ductwork should be installed with as few bends as possible and have airtight joints.

Ducts are excellent conductors of sound. Anchoring the ductwork securely to the building structure and sizing the ductwork so as not to exceed velocities in excess of 2000 FPM will help to reduce duct noise.

The exhaust discharge should be located at least 10' above the roof structure and have a zero-pressure weather cap. Covered weather caps that increase static pressure and interfere with the flow of discharged air are not recommended.

As a rule, each Fume Hood should be exhausted by its own exhaust blower, as shown in Figure 3. When multiple Hoods are manifolded to a single exhaust blower, as shown in figure 4, imbalance in the exhaust airflow can occur as Hoods are turned on and off. To overcome this situation, all Hoods could be

turned on and off together. However, this may result in an unsatisfactory arrangement from the standpoint of energy efficiency.

Multiple Hoods which are controlled by a variable air volume (VAV) control system may be manifolded to a single exhaust blower. The VAV controls maintain the proper air balance and provide excellent energy efficiency, by reducing the amount of air being exhausted when the Hood is not in use.

Care should be taken in the design of the VAV system. The air being supplied to the laboratory must also be variable to meet the changing exhaust volume of the Fume Hoods. If not, over pressurization of the laboratory could occur, causing contamina-tion of adjacent areas.

Because the exhaust volume of the VAV system can vary greatly, it is a good idea to select an exhaust blower with some type of air bypass, as shown in Figure 5. This will keep the fan motor from overloading and maintain an acceptable stack velocity.

Fume Hood blowers and ductwork systems should be included in the maintenance schedule. Dust and other contaminants collected on the blades of the fan can greatly reduce its capacity. Blowers should be placed so that they are accessible for periodic cleaning. Periodic examination of the ductwork should also be made to detect any loose joints or porosity due to corrosion.

Fume Hood Operation

A fume hood must be properly installed and operated in order to achieve optimum performance.

When using a Fume Hood, keep all apparatus at least 6" back from the face of the Hood. Do not put your head in the Hood when contaminants are being generated. Do not store chemicals or apparatus in the hood. Following these guidelines will help insure proper performance of the Fume Hood.

OSHA requires laboratories, where hazardous chemicals are used, to develop and carry out a written chemical hygiene plan. This plan should include provisions for monitoring fume hoods for proper performance, as well as periodic performance testing of the Fume Hoods. The Fume Hood air flow monitors, anemometer and smoke bombs shown on page 28 and 32 will help you meet the requirements.

SB-MAX Airfoil Bypass Fume Hoods

RDM / Laboratory Fume Hoods

Continuous air flow across the work surface of the Airfoil Bypass Fume Hood exhausts potentially hazardous vapors safely away from the work environment, even with the sash closed!

The Airfoil Bypass Fume Hood features an internal bypass opening located above the sash allowing for a constant exhaust volume while maintaining the face velocity. In operation, the bypass works automatically, in conjunction with the hood sash. The bypass adjustment is made as the sash is opened and closed creating a relatively constant face velocity regardless of sash position.

Design

The Bypass Fume Hood comes equipped with a full view sash providing an unobstructed view of the Hood interior work area. The sash, a glazed 7/32" thick laminated safety glass is provided with a full width flush pull. A counterweight provides for one finger operation of the sash at any position.

The entrance of the Hood is framed with inward-angled members. This angled frame works to minimize turbulence and provide smooth movement of air into the Hood, resulting in a more efficient operation of the Fume Hood at face velocities ranging from 60 to 150 FPM. A lower airfoil sash stop maintains a 1" space (below closed sash) that allows air to flow continuously across the work surface inside the Hood.

Double wall construction of the Hood superstructure allows for easy installation of service fixtures and routing of interior plumbing and electrical lines. The interior of the Airfoil Bypass Fume Hood is white "Resin-Chem." Removable access panels on both interior sides of the Hood are standard features. The exterior superstructure side panels are also removable for easy access to service fixtures and supply lines.



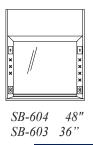
Interior Lighting

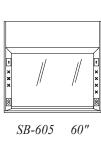
A maximum width, two tube fluorescent light fixture, complete with tubes, is provided with the Airfoil Bypass Fume Hood. The light fixture is mounted above a sealed safety glass panel isolating it from corrosive fumes and hazardous vapors. Tube lights are easily replaced through the top front of the Fume Hood superstructure.

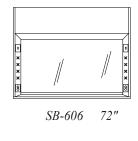
Options

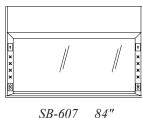
A variety of optional service fixtures are available from RDM for installation in the Bypass Fume Hood. Our RDM representatives work closely with customers in specifying the type of fixtures and electrical receptacles required.

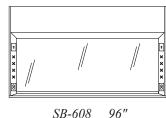
Fume Hood Superstructures are available in widths from 48" to 96", including RDM's unique 84" wide model as shown below. Service and electrical fixtures shown are optional and must be ordered separately.











SB-608

SB-MAX Airfoil Bypass Assemblies

RDM / Laboratory Fume Hoods

Airfoil Bypass Fume Hood Assemblies

The five standard Fume Hood sizes are each available as a complete assembly.

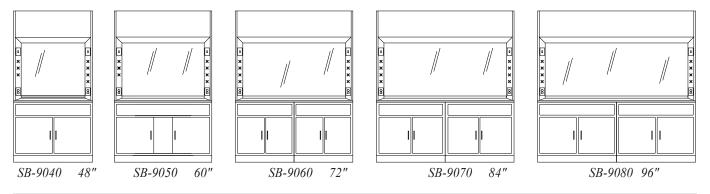
Detailed information on base cabinets, countertops and service fixtures is shown on pages 26, 28 and 29.

The assembly for the 48" and 60" wide Hoods consists of a standard base cabinet, two LF35-7 filler panels, dished

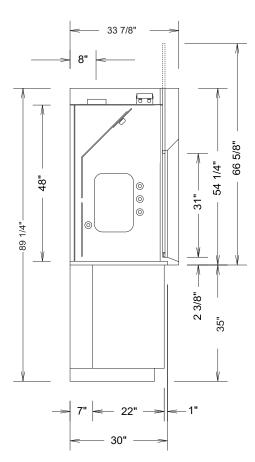
epoxy resin countertop, F-400 3" x 6" epoxy resin cup sink, six F-100 service fixtures, F-110 cold water fixture, F-200 light switch, F-210 blower switch and two F-220 110V duplexes.

72", 84" and 96" assemblies include all of the above along with a second base cabinet, cup sink and water fixture.

All service and electrical fixtures are furnished, but not installed.

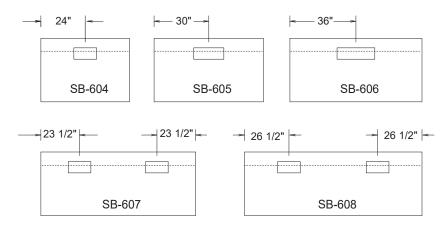


Rough-in Details



HOOD SIZE	COLLAR SIZE	75 F	PM	100	FPM	125	FPM	150	FPM
		CFM	S.P.	CFM	S.P.	CFM	S.P.	CFM	S.P.
48"	6" x 12"	650	.22	867	.39	1083	.61	1300	.87
60"	6" x 16"	850	.21	1133	.38	1417	.59	1700	.85
72"	6" x 20"	1050	.21	1400	.37	1750	.58	2100	.84
84"	(2)6" x 12"	1250	.21	1667	.37	2083	.58	2500	.83
96"	(2)6" x 12"	1450	.25	1933	.45	2417	.71	2900	1.02

The static pressures listed above are for the hoods only. An appropriate amount will have to be added to this figure to compensate for the pressure drop through the duct system. The total pressure drop through the hood and the duct system must be known to select the proper exhaust blower.



Duct collar locations are as shown above. The center line of each collar is 8" from the back of the hood. The area indicated by the dashed lines is designated for plumbing and electrical rough-ins. All rough ins should be kept within 7" of the wall and 18" from the floor.

VB-MAX Airfoil Variable Volume Fume Hoods

RDM / Laboratory Fume Hoods

The Variable Volume Fume Hood is specifically designed for use with exhaust control systems provided by other manufacturers that monitor and control the amount of air being exhausted from the Hood. The use of these devices will maintain a constant face velocity and greatly reduce the operating cost of the Fume Hood.

Design

A lintel at the upper front of the superstructure restricts the Hood air intake to the front sash opening. By incorporating any one of a number of commercially available VAV controls, the exhaust volume of the Hood can be varied to maintain a specified face velocity regardless of sash position.

The full view sash provides a clear, unobstructed view of the work surface and when fully opened, allows easy access to all areas of the Hood interior. The sash is counterweighted for easy up/down operation and is made of 7/32" laminated safety glass with a full width flush pull.

The lower airfoil acts as a sash stop designed to provide a 1" gap (with sash closed) allowing air to continuously sweep the countertop of the Fume Hood.

Double side wall Hood construction provides adequate space for mounting service fixtures. The interior "Resin-Chem" lining has removable access panels on either side providing easy access for installation and maintenance of service and electrical fixtures. Both exterior side panels of the Hood superstructure are also removable for access to lines.



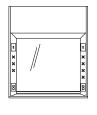
Interior Lighting

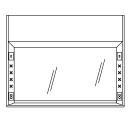
A twin tube fluorescent light fixture provides illumination of the Hood's interior surfaces. The fixture is recessed into the interior Hood ceiling and protected behind a sealed safety glass panel away from hazardous vapors and corrosive fumes. Tubes (included with Hood purchase) are easily replaced from the outside of the Hood superstructure.

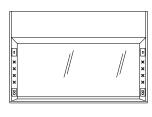
Options

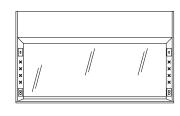
A variety of optional service fixtures are available from RDM for installation in the Variable Volume Fume Hood. Mounting holes for fixtures and electrical receptacles are pre-cut and capped when fixtures are not required.

Fume Hood Superstructures are available in widths from 48" to 96", including RDM's unique 84" wide model as shown below. Service and electrical fixtures shown are optional and must be ordered separately.









VB-614 48"

VB-615 60"

VB-616 72"

VB-617 84"

VB-618 96"

VB-MAX Airfoil Variable Volume Assemblies

RDM / Laboratory Fume Hoods

Airfoil Variable Volume Assemblies

The five standard Fume Hood sizes are each available as a complete assembly.

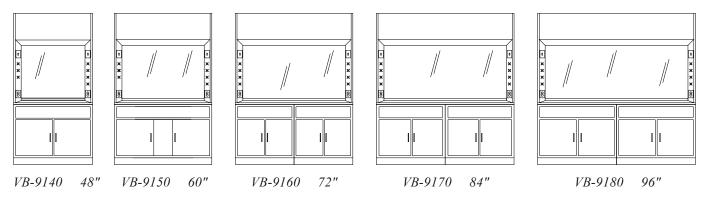
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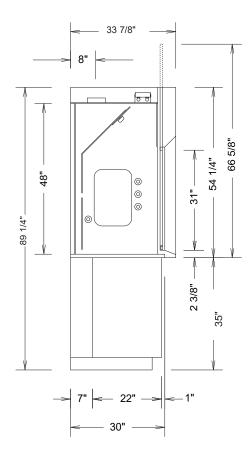
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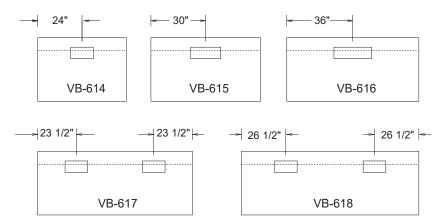


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SB-MAX-A Airfoil Add Air Fume Hoods

RDM / Laboratory Fume Hoods

The RDM Airfoil Add Air Fume Hood provides added economy through the use of a front mount "add air plenum" that can supply up to 70 percent of the total Hood air volume requirement from an outside source.

Design

The superstructure entrance of the Add Air Fume Hood is framed with inward angled members that minimize turbulence and provide smooth movement of air into the Hood. This design allows for efficient operation of the Fume Hood at face velocities ranging from 60 to 150 FPM. Additionally, the built-in bypass feature above the Hood sash works to maintain a relatively constant face velocity at any sash position.

The front mounted add air plenum of the Airfoil Add Air Fume Hood utilizes a series of diffusers and louvers to provide a uniform flow of supply air to the face of the Fume Hood. This uniform air flow allows for providing up to 70% of the overall air volume requirements of the Hood through the add air plenum.

As with other RDM Fume Hoods, the Add Air Hood comes equipped with a full view laminated safety glass sash with a full width flush pull and counterweight for easy operation. A lower airfoil acts as sash stop that provides a 1" space for air to continuously flow into the Hood and across the work surface.

Double wall construction of the superstructure provides adequate space on both sides of the Hood for installation of service fixtures and routing of plumbing and electrical lines. The lining of the interior work area of the Hood is white Resin-Chem with removable interior access panels on both sides. Removable exterior side panels provide easy access to fixtures and their service lines.



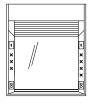
Interior Lighting

The interior of the Add Air Fume Hood is brightly lit by a maximum width dual fluorescent tube light fixture. The fixture is mounted behind a sealed safety glass panel to isolate the fixture from corrosive fumes and flammable vapors. Replacement of fluorescent tubes is accomplished from the exterior top front of the Fume Hood superstructure.

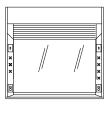
Options |

Choose from the variety of optional service fixtures available from RDM. Service fixture and electrical outlet types and locations are to be specified by the customer to fit each particular application. Mounting holes are provided in the superstructure for final on-site installation of optional equipment.

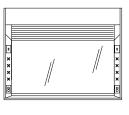
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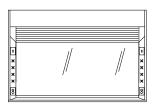
SB-624-A 48" SB-623-A 36"



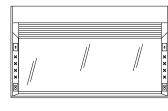
SB-625-A 60"



SB-626-A 72'



SB-627-A 84"



SB-628-A 96"

SB-MAX-A Airfoil Add Air Assemblies

RDM / Laboratory Fume Hoods

Airfoil Add Air Hood Assemblies

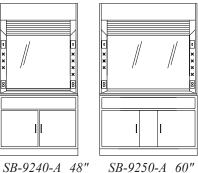
The five standard Fume Hood sizes are each available as a complete assembly.

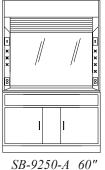
Detailed information on base cabinets, countertops and service fixtures is shown on pages 26, 28 and 29.

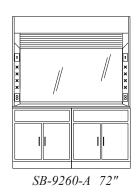
The assembly for the 48" and 60" wide Hoods consists of a standard base cabinet, two LF35-7 filler panels, dished epoxy resin countertop, F-400 3" x 6" epoxy resin cup sink, six F-100 service fixtures, F-110 cold water fixture, F-200 light switch, F-210 blower switch and two F-220 110V duplexes.

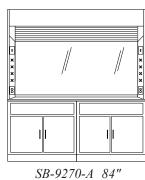
72", 84" and 96" assemblies include all of the above along with a second base cabinet, cup sink and water fixture.

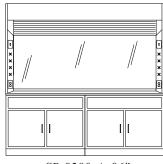
All service and electrical fixtures are furnished, but not installed.





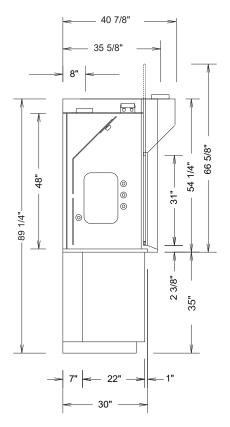






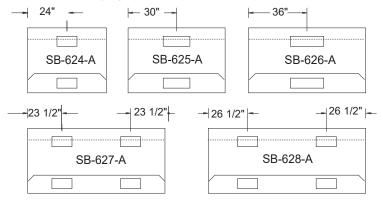
SB-9280-A 96"

Rough-in Details



HOOD		COLLAR	75 F	PM	100	FPM	125	FPM	150	FPM
SIZE		SIZE	CFM	S.P.	CFM	S.P.	CFM	S.P.	CFM	S.P.
48"	EXH	6" x 12"	650	.22	867	.39	1083	.61	1300	.87
	SUP	6" x 12"	455	.17	607	.30	758	.48	910	.69
60"	EXH	6" x 16"	850	.21	1133	.38	1417	.59	1700	.85
	SUP	6" x 16"	595	.17	793	.29	992	.47	1190	.69
72"	EXH	6" x 20"	1050	.21	1400	.37	1750	.58	2100	.84
	SUP	6" x 20"	735	.17	980	.31	1225	.46	1470	.68
84"	EXH	(2)6" x 12"	1250	.21	1667	.37	2083	.58	2500	.83
	SUP	(2)6" x 12"	875	.15	1167	.29	1458	.46	1750	.71
96"	EXH	(2)6" x 12"	1450	.25	1933	.45	2417	.71	2900	1.02
	SUP	(2)6" x 14"	1015	.17	1353	.31	1691	.49	2030	.71

The static pressures listed above are for the hoods only. An appropriate amount will have to be added to this figure to compensate for the pressure drop through the duct system. The total pressure drop through the hood and the duct system must be known to select the proper exhaust blower. Supply figures are based on 70% add air.



Duct collar locations are as shown above. The center line of each collar is 8" from the back of the hood. The center line of the supply duct is 35 5/8" from the back of the hood. The area indicated by the dashed lines is designated for plumbing and electrical rough-ins. All rough ins should be kept within 7" of the wall and 18" from the floor.

Airfoil ADA Fume Hoods

RDM / Laboratory Fume Hoods

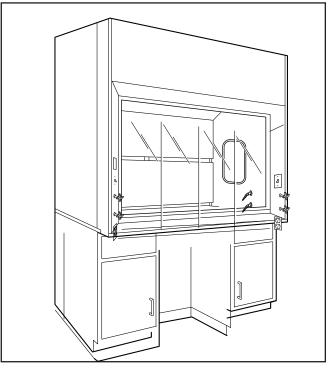
RDM's ADA Fume Hood is designed to meet the unique needs of wheelchair operators. The ADA Fume Hood delivers all the features and capabilities of our standard Fume Hood line with special accommodations built in to meet the specific requirements needed to provide a safe work site for wheelchair operators.

Design

The Americans with Disabilities Act (ADA) prohibits discrimination in hiring and promotion on the basis of physical disability. The RDM ADA Fume Hood is designed to provide a safe and comfortable work area for a wheelchair bound person. The extended height of the sash also makes the ADA Fume Hood a practical work station for a standing individual.

The ADA Fume Hood comes complete with a full framed combination horizontal/vertical sliding sash. The sash is glazed with 7/32" laminated safety glass. The four horizontal sliding panels glide on a dual track system for easy access into the Hood.

Double wall construction of the Hood superstructure allows for easy installation of service fixtures and service lines. The entrance of the Hood is framed with inward angled members to provide for smooth movement of air into the Hood. The interior lining is white "Resin-Chem" and has a removable access panel on each interior side.



Interior Lighting

A fluorescent light fixture completed with tubes illuminates the interior of the ADA Fume Hood. The light fixture is isolated from the Hood interior by a sealed safety glass panel. Relamping of the fixture is accomplished from the top front of the superstructure.

Options

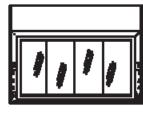
In addition to optional service and electrical fixtures for the ADA Fume Hood, RDM also features an optional sash with a split viewing panel, secondary containment trough/airfoil, remote adjustable baffle, baffle screen, and air-flow monitor. Any or all of these options can be incorporated to meet specific needs or HOPEC requirements.

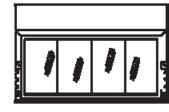
Fume Hood Superstructures are available in widths from 48" to 96", including RDM's unique 84" wide model as shown below. Service and electrical fixtures shown are optional and must be ordered separately.











B-688 96"

B-686 72"

B-687 84"

Airfoil ADA Assemblies

RDM / Laboratory Fume Hoods

The standard airfoil ADA Fume Hoods are each available as a complete assembly.

Detailed information on base cabinets, countertops and service fixtures is shown on pages 26, 28 and 29.

Each assembly includes two standard base cabinets (one on 48" assembly), knee space area, two LF35-7 filler

panels, dished epoxy resin countertop, F-400 3" x 6" epoxy resin cup sink, three F-100 service fixtures, F-110 cold water fixtures, F-200 light switch, F-210 blower switch and two F-220 110V duplexes.

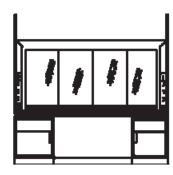
All service and electrical fixtures are furnished, but not installed.











B-9840 48"

B-9850 6

B-9860 72"

B-9870 84"

B-9880 96"

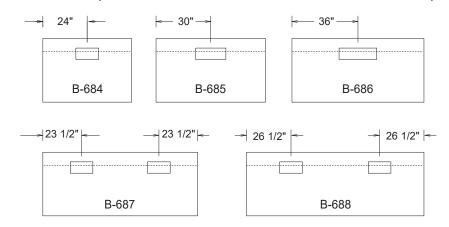
Rough-in Details

	33 7/8"	
>	8"	
89 1/4"	© © © © ©	
<u></u>	7" 22" -> -1"	-
->	7" 22" -> 1"	

HOOD	COLLAR	75 FPM		100	FPM	125	FPM	150 FPM	
SIZE	SIZE	CFM	S.P.	CFM	S.P.	CFM	S.P.	CFM	S.P.
48"	6" x 12"	325	.05	433	.10	542	.15	650	.22
60"	6" x 16"	425	.05	567	.09	708	.15	850	.21
72"	6" x 20"	525	.05	700	.09	875	.15	1050	.21
84"	(2)6" x 12"	625	.05	833	.09	1042	.14	1250	.21
96"	(2)6" x 12"	725	.06	967	.11	1208	.18	1450	.25

The static pressures listed above are for the hoods only. An appropriate amount will have to be added to this figure to compensate for the pressure drop through the duct system. The total pressure drop through the hood and the duct system must be known to select the proper exhaust blower.

The CFM and static pressures listed above are measures with 50% of the sash area open.



Duct collar locations are as shown above. The center line of each collar is 8" from the back of the hood. The area indicated by the dashed lines is designated for plumbing and electrical rough-ins. All rough ins should be kept within 7" of the wall and 18" from the floor.

Airfoil Radio Isotope Fume Hoods

RDM / Laboratory Fume Hoods

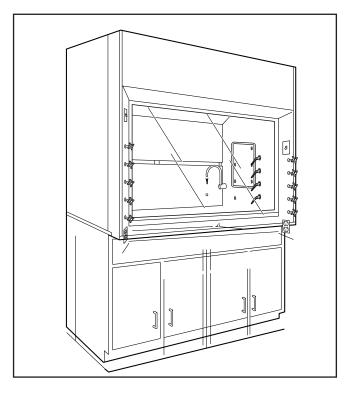
Stainless steel lining and work surface with coved corners that facilitate thorough cleaning and a reinforced countertop to support lead bricks, are some of the features incorporated into the Radio Isotope Hood. These features will help to ensure operator safety and convenience in procedures that involve the use and handling of radioactive materials.

Design

The Radio Isotope Hood comes equipped with a type 304 stainless steel sash frame with a full width flush pull and is glazed with 7/32" thick laminated safety glass. A counterweight provides for one finger operation of the sash at any position. A lower stainless steel airfoil acts as a sash stop to maintain a 1" space, below the closed sash, which allows air to continuously flow across the work surface.

The interior lining of the Radio Isotope Fume Hood is type 304 stainless steel. All seams are welded and ground smooth to eliminate the build-up of radioactive materials. The work surface, which is constructed of the same materials, is welded to the lining, making the liner and work surface integral and watert i g h t . In addition, the work surface is reinforced to support 200 lbs. per square foot up to a total weight of 1,000 lbs. per Hood or base cabinet section.

Double wall construction of the Hood superstructure allows space for installation of service fixtures. Access for installation and maintenance is acquired through the removable stainless-steel interior access panel or by removing the exterior side panel of the superstructure. A built-in bypass feature above the Hood sash works to maintain a relatively constant face velocity at any sash position.



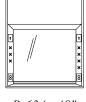
Interior Lighting

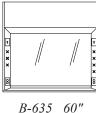
The interior of the Radio Isotope Fume Hood is brightly lit by a maximum width dual fluorescent light fixture. The fixture is mounted behind a sealed safety glass panel to isolate the fixture from corrosive fumes and flammable vapors. Replacement of fluorescent tubes is accomplished from the exterior top front of the Fume Hood superstructure.

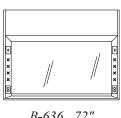
Options

Optional service and electrical fixtures are available for installation in the Radio Isotope Fume Hood. Mounting holes are provided in the superstructure for on-site installation of the required service fixtures.

Fume Hood Superstructures are available in widths from 48" to 96", including RDM's unique 84" wide model as shown below. Service and electrical fixtures shown are optional and must be ordered separately.











B-634 48" B-

B-636 72"

B-637 84"

B-638 96"

Airfoil Radio Isotope Assemblies

RDM / Laboratory Fume Hoods

Airfoil Radio Isotope Assemblies

The five standard Fume Hood sizes are each available as a complete assembly.

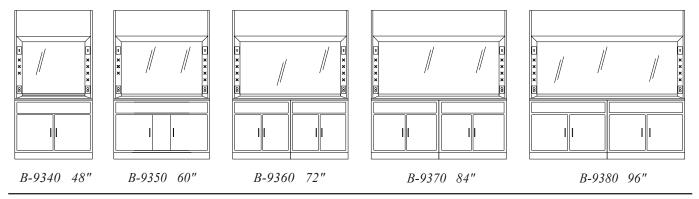
Detailed information on base cabinets, countertops and service fixtures is shown on pages 26, 28 and 29.

The assembly for the 48" and 60" wide Hoods consists of a standard base cabinet, two LF35-7 filler panels, 3" x 6"

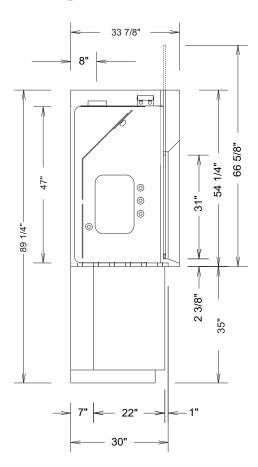
stainless steel cup sink, six F-100 service fixtures, F-110 cold water fixture, F-200 light switch, F-210 blower switch and two F-220 110V duplexes.

72", 84" and 96" assemblies include all of the above along with a second base cabinet, cup sink and water fixture.

All service and electrical fixtures are furnished, but not installed.

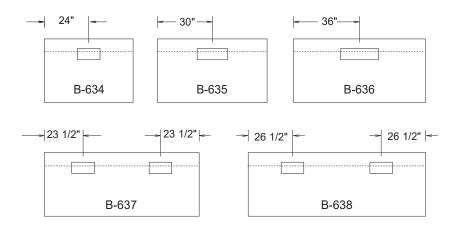


Rough-in Details



HOOD	COLLAR	75 FPM		100	FPM	125	FPM	150 FPM		
SIZE	SIZE	CFM	S.P.	CFM	S.P.	CFM	S.P.	CFM	S.P.	
48"	6" x 12"	650	.22	867	.39	1083	.61	1300	.87	
60"	6" x 16"	850	.21	1133	.38	1417	.59	1700	.85	
72"	6" x 20"	1050	.21	1400	.37	1750	.58	2100	.84	
84"	(2)6" x 12"	1250	.21	1667	.37	2083	.58	2500	.83	
96"	(2)6" x 12"	1450	.25	1933	.45	2417	.71	2900	1.02	

The static pressures listed above are for the hoods only. An appropriate amount will have to be added to this figure to compensate for the pressure drop through the duct system. The total pressure drop through the hood and the duct system must be known to select the proper exhaust blower.



Duct collar locations are as shown above. The center line of each collar is 8" from the back of the hood. The area indicated by the dashed lines is designated for plumbing and electrical rough-ins. All rough ins should be kept within 7" of the wall and 18" from the floor.

Airfoil Perchloric Acid Fume Hoods

RDM / Laboratory Fume Hoods

This Fume Hood is specifically designed for the use of perchloric acid. A coved stainless-steel liner with integral work surface, an internal water wash down system and water collection trough provide for detailed cleaning of the Hood interior. In addition, the interior baffles are also removable for cleaning to prevent the dangerous build-up of perchlorates.

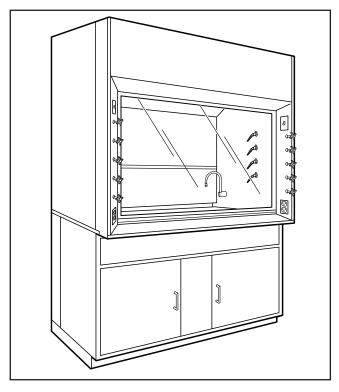
Design

The Perchloric Acid Fume Hood has an internal bypass located above the sash. The bypass operates automatically, opening when the sash is closed and closing as the sash is raised. The bypass provides for a relatively constant face velocity at any sash position.

The sash frame and lower airfoil are constructed of type 316 stainless steel. The sash is glazed with 7/32" thick laminated safety glass and has full width pull and counterweight for easy up/down operation. In the closed position, the lower airfoil acts as a sash stop providing a 1" space for air to continuously sweep the work surfaces.

The interior liner, work surface and baffles are also con structed of type 316 stainless steel. A wash down spray bar is located behind the upper baffle for continuous cleaning behind the baffles. A full width trough is located below the lower baffle to collect the wash down water from both the Hood and ductwork.

Double wall construction of the superstructure allows for installation of service fixtures and routing of interior plumbing and electrical lines. Access for installation and maintenance of service fixtures is obtained by removing the exterior side panel.



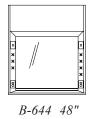
Interior Lighting

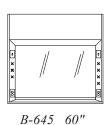
A two-tube fluorescent light fixture illuminates the interior of the Perchloric Acid Fume Hood. The fixture is mounted behind a sealed safety glass panel to isolate the fixture from corrosive fumes and flammable vapors. Replacement of fluorescent tubes is accomplished from the exterior top front of the Fume Hood superstructure.

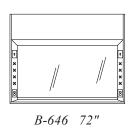
Options

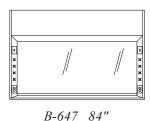
A variety of optional service fixtures are available from RDM. The location of the fixtures must be specified for accurate cutting of the mounting holes located in the Fume Hood lining.

Fume Hood Superstructures are available in widths from 48" to 96", including RDM's unique 84" wide model as shown below. Service and electrical fixtures shown are optional and must be ordered separately.











Airfoil Perchloric Acid Assemblies

RDM / Laboratory Fume Hoods

Airfoil Perchloric Acid Assemblies

The five standard Fume Hood sizes are each available as a complete assembly.

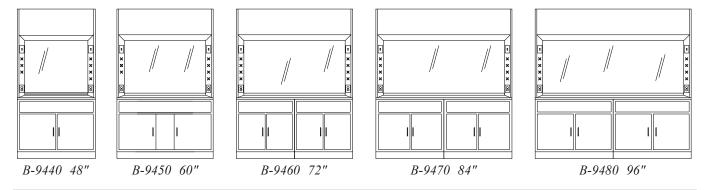
Detailed information on base cabinets, countertops and service fixtures is shown on pages 26, 28 and 29.

The assembly for the 48" and 60" wide Hoods consists of a standard base cabinet, two LF35-7 filler panels, 3" x 6"

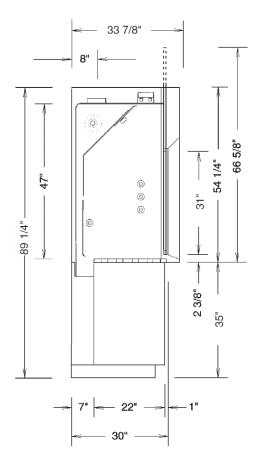
stainless steel cup sink, six F-100 service fixtures, F-110 cold water fixture, F-200 light switch, F-210 blower switch and two F-220 110V duplexes.

72", 84" and 96" assemblies include all of the above along with a second base cabinet, cup sink and water fixture.

All service and electrical fixtures are furnished, but not installed.

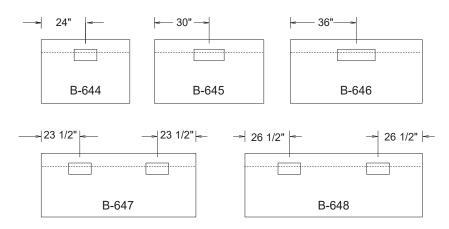


Rough-in Details



HOOD	COLLAR	75 FPM		100	FPM	125	FPM	150 FPM		
SIZE	SIZE SIZE		S.P.	CFM	S.P.	CFM	S.P.	CFM	S.P.	
48"	6" x 12"	650	.22	867	.39	1083	.61	1300	.87	
60"	6" x 16"	850	.21	1133	.38	1417	.59	1700	.85	
72"	6" x 20"	1050	.21	1400	.37	1750	.58	2100	.84	
84"	(2)6" x 12"	1250	.21	1667	.37	2083	.58	2500	.83	
96"	(2)6" x 12"	1450	.25	1933	.45	2417	.71	2900	1.02	

The static pressures listed above are for the hoods only. An appropriate amount will have to be added to this figure to compensate for the pressure drop through the duct system. The total pressure drop through the hood and the duct system must be known to select the proper exhaust blower.



Duct collar locations are as shown above. The center line of each collar is 8" from the back of the hood. The area indicated by the dashed lines is designated for plumbing and electrical rough-ins. All rough ins should be kept within 7" of the wall and 18" from the floor.

WB-MAX Airfoil Low Bench & Walk-In Fume Hoods

RDM / Laboratory Fume Hoods

Large apparatus or complex set-ups may require the use of a Fume Hood specifically designed to meet these requirements. The RDM Low Bench Fume Hood is supported by an 18" high table and has an interior height of 63 3/4". The Walk-In Fume Hood has two vertical rising sash that allow you to roll in large equipment or portable work stations.

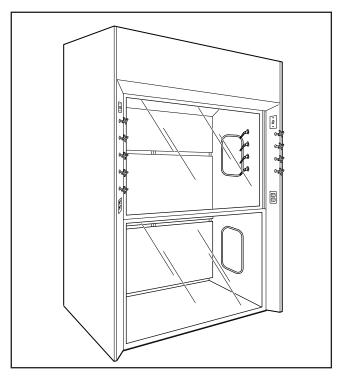
Design

The Low Bench Fume Hood has a four-panel horizontal sliding sash. Each panel is a 7/32" thick laminated safety glass and is trimmed on the edges with stainless steel "U" channel.

The Walk-In Fume Hood is equipped with two independently operating, full view, vertical rising sash. Each sash is glazed with 7/32" laminated safety glass and is counterweighted for one finger operation of any position.

Both Low Bench and Walk-In Hoods are framed with inward angled members to minimize turbulence and provide smooth movement of air into the Hood. The lower airfoil on the Low Bench Hood maintains a 1" space, below the horizontal sliding sash panels, which allows air to flow continuously across the work surface of the Hood.

Low Bench and Walk-In Hoods have a double wall construction that allows for easy installation of service fixtures and routing of interior plumbing and electrical lines. The Hood interior is white "Resin-Chem" and has removable interior access panels on both sides.



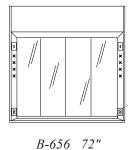
Interior Lighting

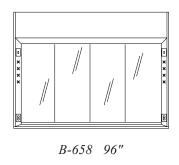
A maximum width, two tube light fixtures, complete with tubes, is provided with the Low Bench and Walk-In Hoods. The light fixture is mounted above a sealed safety glass panel isolating it from corrosive fumes and hazardous vapors. The tube lights are easily replaced through the top front of the Fume Hood superstructure.

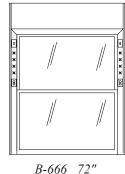
Options

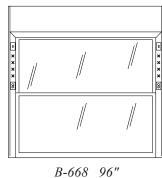
A variety of service fixtures are available for installation in the Low Bench and Walk-In Fume Hoods. Mounting holes for fixtures and electrical receptacles are provided in the superstructures for final on-site installation of optional equipment.

Fume Hood Superstructures are available in widths of 72" and 96". Special sizes are also available; contact your RDM representative for details. Service and electrical fixtures shown are optional and must be ordered separately.









WB-MAX Airfoil Low Bench & Walk-In Assemblies

RDM / Laboratory Fume Hoods

Low Bench & Walk-In Assemblies

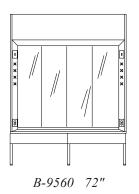
Standard Fume Hood sizes are each available as a complete assembly. Detailed information on countertops and service fixtures is shown on pages 28 and 29.

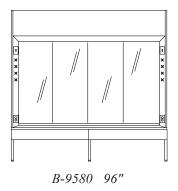
The assembly for the Low Bench Hoods consists of an 18" high table, a dished epoxy resin countertop, two F-400 3"x6" epoxy resin cupsinks, six F-100 service fixtures, two F-110

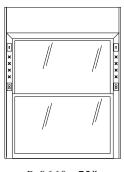
cold water fixtures, F-200 light switch, F-210 blower switch and two F-220 duplexes.

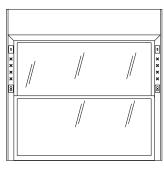
Walk-In assemblies consist of two F-401 side mount cupsinks, six F-100 service fixtures, two F-110 cold water fixtures, F-200 light switch, F-210 blower switch and two F-220 110V duplexes.

All service and electrical fixtures are furnished, but not installed.





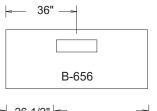




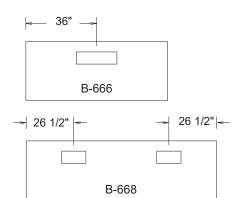
B-9660 72"

B-9680 96"

Rough-in Details





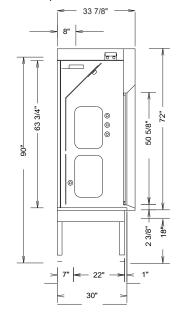


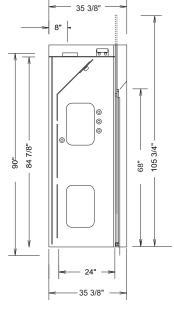
Duct collar locations are as shown above. The center line of each collar is 8" from the back of the hood.

HOOD	COLLAR	75 FPM		100	FPM	125	FPM	150 FPM		
SIZE	SIZE	CFM	S.P.	CFM	S.P.	CFM	S.P.	CFM	S.P.	
72" LB	6" x 20"	831	.13	1107	.23	1384	.36	1661	.52	
96" LB	(2)6" x 12"	1147	.16	1529	.28	1912	.44	2294	.64	
72" WI	6" x 20"	1181	.26	1575	.47	1969	.74	2363	1.06	
96" WI	(2)6" x 12"	1631	.32	2175	.57	2719	.89	3263	1.29	

The static pressures listed above are for the hoods only. An appropriate amount will have to be added to this figure to compensate for the pressure drop through the duct system. The total pressure drop through the hood and the duct system must be known to select the proper exhaust blower.

The CFM and static pressures listed above are measured with 50% of the sash area open.





XB-MAX Thin Wall Fume Hoods

RDM / Laboratory Fume Hoods

The RDM Thin Wall Fume Hood provides an excellent low cost means of exhausting high heat loads and non-hazardous fumes.

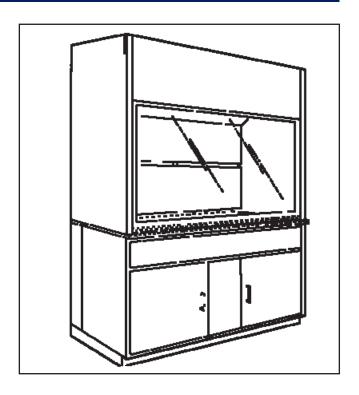
The Thin Wall design allows for maximum interior work area and is well suited for installation on any counter of 30" depth.

Design

The exterior of the Thin Wall Fume Hood is 18-gauge steel with an epoxy powder coat finish, front posts are stainless steel with a #4 finish. These components are attached to a heavy gauge internal framework. This framework is welded and bolted together to provide a rigid durable structure for the Thin Wall Hood.

The interior of the Hood is lined with Minerit, a chemical resistant gray composition stone material. The liner is attached to the internal framework with the use of non-metallic fasteners. A lintel, of the same material, restricts the air intake of the Hood to the sash opening. This restriction allows you to vary the face velocity of the Thin Wall Fume Hood by changing the sash position. An interior baffle system, also constructed of minerit, maintains a uniform face velocity across the entire opening of the sash. The upper portion of the baffle is adjustable to compensate for high heat loads or light fumes.

The full view sash of the Thin Wall Hood is framed with a chemical resistant black PVC. It is glazed with 7/32" thick laminated safety glass and has a single counterweight for easy up/down operations.



Interior Lighting

The interior of the Thin Wall Fume Hood is brightly lit by a vapor proof incandescent light fixture, bulb included. A single light fixture is provided in 48", 60" and 72" models and two fixtures are provided in the other models. Replacement of the incandescent bulbs is accomplished from the interior of the Hood.

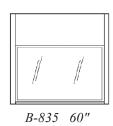
Options

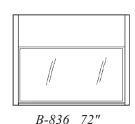
Switches, outlets, and remote valves must be located on the front panel of the Fume Hood base cabinet. Refer to pages 28 and 29 for details.

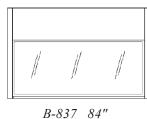
Fume Hood Superstructures are available in widths from 48" to 96", including RDM's unique 84" wide model as shown below. Service and electrical fixtures shown are optional and must be ordered separately.

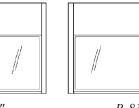


B-834 48" B-833 36"









XB-MAX Thin Wall Assemblies

RDM / Laboratory Fume Hoods

Thin Wall Fume Hood Assemblies

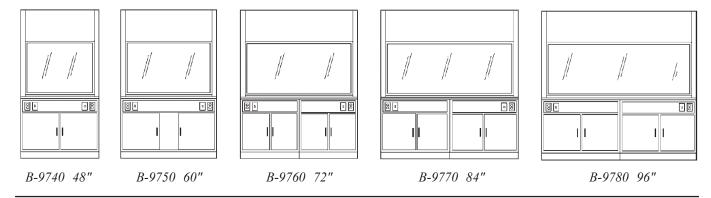
The five standard Fume Hood sizes are each available as a complete assembly.

Detailed information on base cabinets and service fixtures is shown on pages 26, 28 and 29.

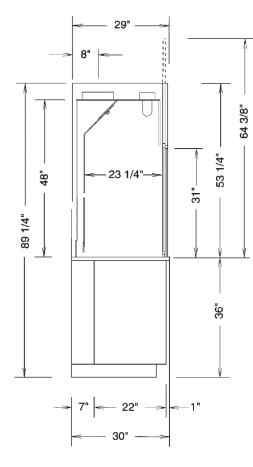
Assemblies for 48" and 60" wide Fume Hoods

consist of a standard base cabinet, two LF35-7 filler panels, a 1" thick black epoxy resin countertop, F-200 light switch, F-210 blower switch and two F-220 110V duplexes.

72", 84" and 96" assemblies include all of the above along with a second base cabinet. Electrical fixtures are furnished but not installed.

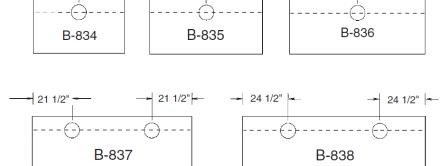


Rough-in Details



HOOD	COLLAR	75 FPM		100	FPM	125	FPM	150 FPM	
SIZE	SIZE	CFM	S.P.	CFM	S.P.	CFM	S.P.	CFM	S.P.
48"	9" DIA.	710	.29	947	.51	1184	.80	1421	1.16
60"	10" DIA.	904	.30	1206	.54	1507	.84	1808	1.21
72"	10" DIA.	1098	.41	1464	.72	1830	1.13	2196	1.63
84"	(2) 9" DIA.	1292	.25	1722	.45	2153	.70	2583	1.01
96"	(2) 9" DIA.	1485	.31	1981	.55	2476	.86	2971	1.24

The static pressures listed above are for pressure drop through the hoods only. An appropriate amount will have to be added to this figure to compensate for the pressure drop through the duct system. The total pressure drop through the hood and the duct system must be known to select the proper exhaust blower.



Duct collar locations are as shown above. The center line of each collar is 8" from the back of the hood. The area indicated by the dashed lines is designated for plumbing and electrical rough-ins. All rough ins should be kept within 7" of the wall and 18" from the floor.

Demonstration Fume Hoods

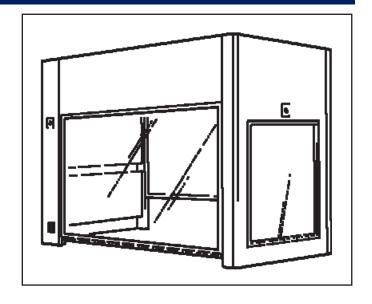
RDM / Laboratory Fume Hoods

The RDM Demonstration Fume Hoods feature dual access sashes and offer a clear, unobstructed view of the Hood interior.

Design

Two independently operating sashes provide viewing and access from either side of the Demonstration Fume Hood. A fixed end window is also provided to increase the interior viewing.

Sashes are glazed with laminated safety glass and have a full width PVC pull for maximum chemical resistance. The Hood interior is lined with chemical resistant "Resin-Chem" and is illuminated with a vapor proof incandescent light fixture.



Options

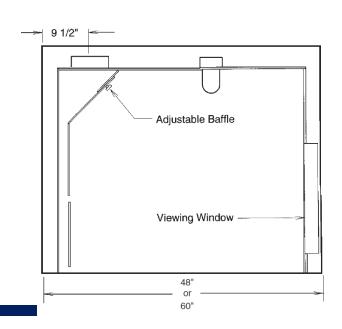
Two 3-way switches, a blower switch and two duplex outlets are available for installation on the Demonstration Hood. These items are optional and must be ordered separately.

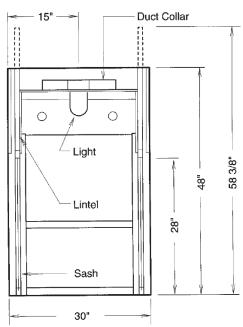
Rough-in Details

MODEL SIZE COLLAR		75 FPM		100 FPM		125	FPM	150 FPM		
NUMBER	SIZE	SIZE	CFM	S.P.	CFM	S.P.	CFM	S.P.	CFM	S.P.
B-814	48"	6" x 16"	569	.20	758	.36	948	.56	1137	.80
B-816	60"	6" x 16"	744	.34	992	.61	1240	.96	1488	1.38

The static pressures listed above are for pressure drop through the hoods only. An appropriate amount will have to be added to this figure to compensate for the pressure drop through the duct system. The total pressure drop through the hood and the duct system must be known to select the proper exhaust blower.

The CFM and static pressures listed above are measured with one sash open.

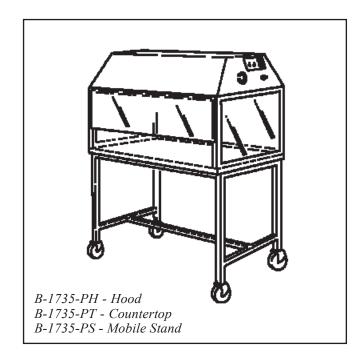




The RDM Portable Fume Hood features safety and convenience. Mobile design allows the Portable Fume Hood to be wheeled into a working position and moved back to a storage location when the task is complete. Clear view side and back panels make the Portable Fume Hood ideally suited for demonstrations. It also allows instructor observation when being used as a student workstation.

Design

The framework of the Portable Fume Hood is fully welded, painted square tubing. The upper metal housing contains a single tube fluorescent light (bulb included), exhaust fan, light and fan switches, duplex outlet and a double-sided gas hose connector. The interior work surface is black epoxy resin and is enclosed with 1/4" Plexiglas viewing panels. The front viewing panel is hinged for easy access. Additional features include locking swivel casters, sixfoot-long power cord and six feet of 1 1/2" diameter flexible exhaust duct.

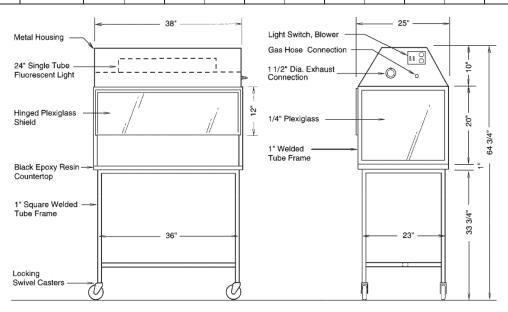


Rough-in Details

The amount of air being exhausted through the hood will vary depending on the length and shape of the ductwork. The chart below shows the exhaust volume (CFM) at various static pressures. For installations requiring long runs of ductwork, a supplemental exhaust system may be required.

Exhaust fan is 115 V, 60 CY, 2870 RPM

MODEL	COLLAR				CFM AT STATIC PRESSURE SHOWN								
NUMBER	SIZE	S.P.	CFM	S.P.	CFM	S.P.	CFM	S.P.	P. CFM S.P. CFM S				CFM
B-1735-PH	1 1/2" DIA.	FREE AIR	100	.1	98	.2	95	.3	90	.4	85	.5	80



Spray Booth

The RDM Spray Booth offers an economical way to exhaust odors and non-toxic fumes in Laboratory, Classroom and Shop environments.

Design

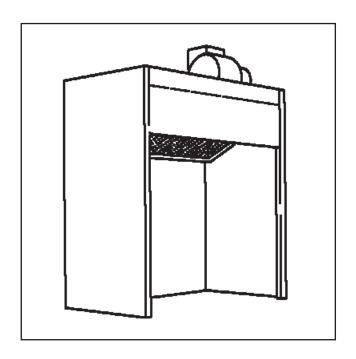
The RDM Spray Booth is constructed of 18-gauge steel that is formed and welded into a rigid superstructure. Each unit is finished with a chemical resistant powder coat paint fin-ish and has a replaceable, pleated air filter.

The Spray Booth is designed to have a non-explosion proof exhaust blower (specified on the next page) mounted directly on top of the unit. A rectangular duct transition is included to connect the exhaust blower to the Spray Booth. For flammable fumes or vapors, an optional explosion proof exhaust blower must be specified. The explosion proof exhaust blower is designed to be mounted on the roof or other suitable location, but not on top of the Spray Booth.

Interior Lighting

The interior of the Spray Booth is illuminated by a vapor proof incandescent light fixture (bulb included). Light bulb replacement is accomplished from the interior of the booth.

When exhausting flammable fumes or vapors, an optional explosion proof light fixture must be specified.



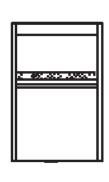
Options

Optional service and electrical fixtures are available for use with the RDM Spray Booth. Contact your RDM representative to assist you in specifying these items.

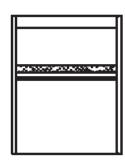
Spray Booth Superstructures are available in widths from 24" to 48" as shown below.



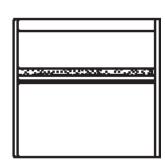
B-810 24"



B-811 30"

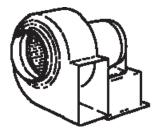


B-812 36"



B-813 48"

Exhaust Blowers



Ī	HOOD	MODEL	OUTLET		CFM AT STATIC PRESSURE SHOWN					
	SIZE	NUMBER	SIZE	HP	.125	.25	.375	.5	.625	.75
	24"	7C037	4 1/4" x 7 3/8"	1/4	560	515	470	420	360	300
	30"	7C038	5 3/8" x 8 1/4"	1/3	920	870	820	765	710	655
	36"	7C039	6 1/2" x 10 3/4"	1/3	968	930	890	850	810	773
	48"	7C647	6 1/2" x 10 3/4"	1/3	1160	1125	1090	1035	963	855

Exhaust Blowers feature a dynamically balanced forward curve wheel with cast iron hubs. Housing and motor base are 16-gauge steel with a gray baked-on epoxy finish.

Motors are 115V/60HZ with H.P. as shown above.

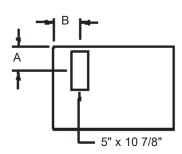
Contact your RDM representative to assist you in specifying an explosion proof exhaust blower.

IOOD SIZE	FILTER NUMBER	UUANIIIY	
24"	6556	1	16"X20"
30"	6557	1	22"X20"
36"	6558	2	14"X20"
48"	6559	2	20"X20"

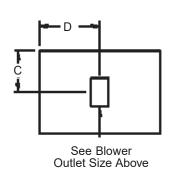
Spray Booth replacement filters are a 1" thick cotton polyester blended filter, laminated to a galvanized steel expanded metal support grid. Order by part number from the chart to the left. (Note: 36" and 48" Spray Booths require two filters.)

Rough-in Details

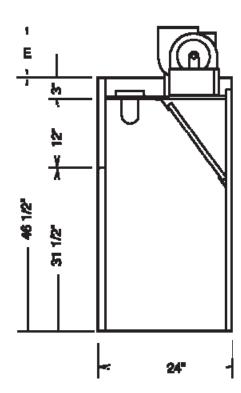
HOOD	DIMENSIONS							
SIZE	"A"	"C"	"B"	"D"	"E"			
24"	7"	4 3/4"	10 7/16"	10 3/8"	6"			
30"	7"	7 3/4"	8"	14"	6"			
36"	7"	10 3/4"	10 7/8"	17 5/8"	6 7/8"			
48"	7"	19 3/4"	10 7/8"	26 5/8"	6 7/8"			



Plan View of Spray Booth Top Without Blower

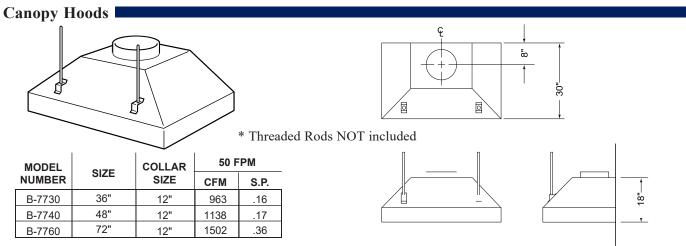


Plan View of Spray Booth Top with Blower



Canopy Hoods & Base Cabinets

RDM / Laboratory Fume Hoods



Canopy Hoods are specifically designed for exhausting non-hazardous materials such as heat, steam and odors.

Canopy Hoods are constructed of epoxy coated steel in any of our standard colors. Three sizes are available for wall or corner mounting. Due to the many variations in wall and ceiling construction, mounting hardware is not included. Special size and configuration Canopy Hoods are available upon request.

The CFM listed above is based on 50 FPM with the Canopy Hood mounted 42" above the work surface and the front and one side open. The static pressures shown are for the Hood only. An appropriate amount will have to be added to this figure to compensate for the pressure drop through the duct system. The total pressure drop through the Hood and the duct system must be known to select the proper exhaust blower.

Fume Hood Base Cabinets

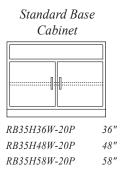
RDM Fume Hood base cabinets feature heavy duty flush front construction. Cabinet bottoms are panned up for easy cleaning; cabinet backs are removable for access to service lines. Doors are double pan, sound deadened construction supported with five knuckle stainless steel hinges. Shelves are full depth and adjustable on 1" increments.

Cabinets are coated with a baked-on epoxy finish in your choice of standard colors. Standard base cabinets are 22" deep. Acid storage and flammable storage cabinets are 18" deep.

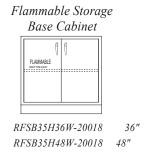
Acid Storage Base Cabinets have a steel reinforced polyethylene lining, a full depth adjustable shelf and louvered doors for ventilation.

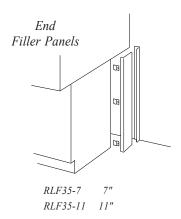
Flammable Storage Base Cabinets are constructed in accordance with OSHA and NFPA requirements. They feature double wall construction, panned bottom, full depth expanded metal shelf, and a lockable three-point door latch. Flammable storage cabinets are 18" deep.

Filler Panels are required to close off the pipe chase at the exposed end(s) of the base cabinet. Each filler panel comes complete with clips, slip joint and hardware.



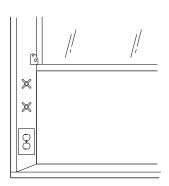






RDM / Laboratory Fume Hoods

Sash Options



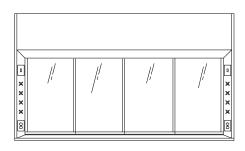
Sash Stop

Limiting the sash opening of a Fume Hood can greatly reduce the amount of air required to achieve a required face velocity.

B-780 Sash Stop limits the vertical rising of the sash by 50%. A manual override allows you to fully open the sash for setups or cleaning. The Sash Stop re-engages as the sash is lowered below it.

Horizontal/Vertical Sash

Combination Horizontal/Vertical Sash provides both safety and energy efficiency. The horizontal sliding panels act as a safety shield while reducing the Sash opening by 50%. 48" and 60" models have two panels and 72", 84" and 96" have four panels.



48"	B-1781
60"	B-1782
72"	B-1783
84"	B-1784
96"	R-1785

Postless Double Vertical Rising

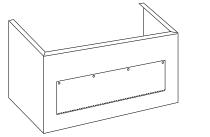
The Double Vertical Rising Sash has two independently operating steel framed sashes. Each Sash has its own counterweight for one finger operation.

Fume Hood Ceiling Enclosures

Ceiling Enclosures are designed to be mounted on top of a Fume Hood and extend up through a drop-in ceiling. A front access panel is provided for relamping of the hood.

For use with ceiling heights from 102" to 108" only. Special sizes are also available.

For Airfoil Add Air Fume Hoods add the suffix -AA to the part number.



48"	B-1794
60"	B-1795
72"	B-1796
84"	B-1797
96"	B-1798

Remote Control Fume Hood Fixtures

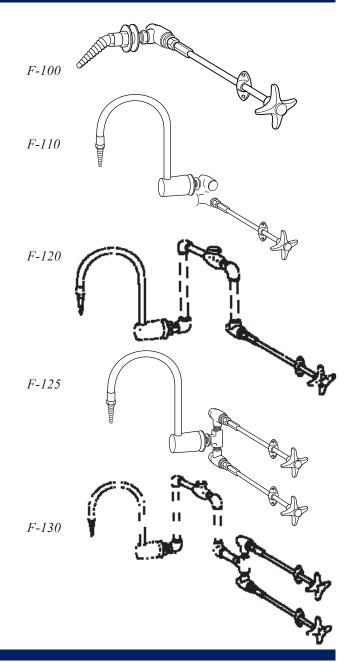
Remote control valves have forged brass valve bodies for strength and durability. Valves for gas, air, vacuum and special gases are of needle type design with a stainless-steel floating cone and stainless-steel replaceable seat. Valves for steam service have a flat Teflon valve disc and stainless-steel replaceable seat; valves for water service have a renewable unit including a stainless-steel seat and volume control. All outlet assemblies are furnished with a polished chrome plated finish. For acid and solvent resistant coatings add the following suffix to part numbers.

Clear Epoxy	01
White Epoxy	02
Black Epoxy	03
Sepia Bronze	04
Metallic Aluminum	05

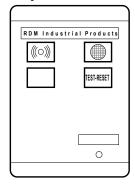
For factory setting of a service fixture, specify part number F-330 in addition to the service fixture number.

For factory setting and piping of service fixtures, specify part number F-300 in addition to the service fixture number.

- F-100 Remote service valve with angled hose cock outlet. For use with gas, air, vacuum, steam or other special gases. Specify type of service.
- F-110 Remote service valve with gooseneck, for use with water; specify hot or cold water.
- F-120 Remote service valve with gooseneck and vacuum breaker, for use with water; specify hot or cold water.
- F-125 Dual remote service valve with gooseneck, for use with hot and cold water.
- F-130 Dual remote service valve with gooseneck and vacuum breaker, for use with hot and cold water.



Air Velocity Monitor & Alarm |



F-278 Velocity Monitor measures the face velocity of the Fume Hood. The monitor includes a visual safe indicator light, visual alarm indicator light, audible alarm and a test reset button which also manually silences the alarm. Field calibration requires the use of an optional air flow measuring device as shown on page 32.

Electrical Fixtures and Countertops

RDM / Laboratory Fume Hoods

Electrical Services

Flush mount electrical service fixtures come complete with device box and stainless-steel face plate.

Explosion proof fixtures meet Class 1, Group C & D requirements. Explosion proof outlets and switches must be mounted on the front panel of the base cabinet or the exterior side of the Fume Hood.

For factory setting of electrical fixtures, specify part number F-340 in addition to the electrical fixture number.

For factory setting and wiring of electrical fixtures, specify part number F320 in addition to the electrical fixture number.

Factory wiring of explosion proof fixtures on application only.

F-200 - Single pole light switch, 115-volt, 15 amp.

F-210 - Manual motor starter switch with pilot light, 115-volt, 15 amp. Heating element not included.

F-220 - Duplex receptacle, 115-volt, 15 amp.

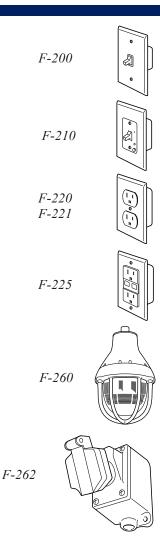
F-221 - Duplex receptacle, 115-volt, 20 amp.

F-225 - GFI duplex receptacle, 115-volt, 15 amp.

F-260 - Explosion proof light fixture, specify two fixtures on hoods 84" and over.

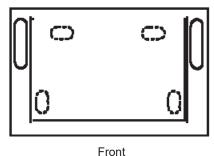
F-262 - Explosion proof receptacle.

F-264 - Explosion proof switch.



Countertops

B-8040 48" B-8050 60" B-8060 72" B-8070 84" B-8080 96"



Fume Hood work surfaces are molded from a modified epoxy resin that has been especially compounded and cured to provide optimum physical and chemical resistance required for a heavy-duty laboratory working surface. Countertops are 1" thick with a 3/8" deep dishing to contain spills and have a non-glaring black finish.

If sinks or cupsinks are required, specify location.

Sinks, Drains and Baths

RDM / Laboratory Fume Hoods

Sinks

Sinks are available in a variety of sizes and configurations for installation in Fume Hoods.

F-400 - Oval epoxy resin cup sink, 3"x6", 1 1/2" NPT outlet connection.

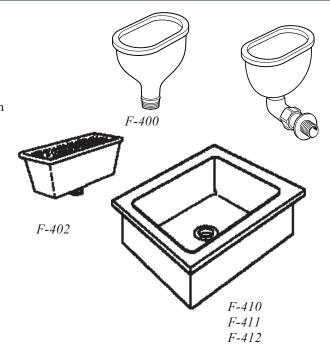
F-401 - Oval polypropylene panel mount cup sink, 3"x6", with retainer nut, 1 1/2" NPT outlet connection.

F-402 - Rectangular epoxy resin cup sink, 13 3/4" x 4 1/2" x 5 1/2" with stainless steel straining screen, 1 1/2" NPT outlet.

F-410 - Drop-in epoxy resin sink, 16" x 12" x 8" Dp.

F-411 - Drop-in epoxy resin sink, 18" x 15" x 8" Dp.

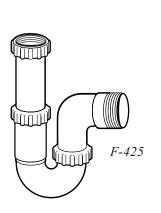
F-412 - Drop-in epoxy resin sink, 24" x 16" x 8" Dp.



Drains and Traps

F-420 - Epoxy resin sink outlet with retainer nut, 1 1/2" NPT outlet connection.

F-425 - Polypropylene p-trap with adjustable riser, 1 1/2" NPT outlet connection.





F-420

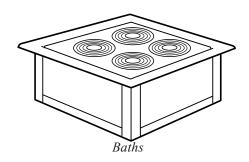
Baths

Baths are available in steam, hot water or electric. Each bath is furnished with four sets of concentric rings which are spaced on 1" increments up to 6" diameter. Baths are constructed of 20-gauge, type 304 stainless steel and come complete with a remote valve for mounting in the post of the Fume Hood. Size is 18" x 18".

F-430 Steam

F-431 Hot Water

F-432 Electric

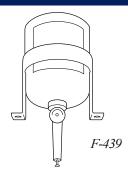


Accessories and Options

RDM / Laboratory Fume Hoods

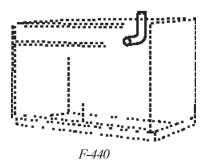
Fire Extinguishers |

F-439 Automatic Fire Extinguisher units are available for installation in Fume Hoods. Fire Extinguishers are activated by a fusible link. The link melts at 165° F, opening the valve which released a multipurpose ABC Dry Chemical. Cylinders are con structed of stainless steel and come complete with mounting bracket. Fume Hoods 72" and wider require the use of two Fire Extinguishers for adequate projection.



Vent Kits

F-440 Vent Kits are used to vent acid or flammable storage cabinets to the Fume Hood.



Baffle Options

Standard Fume Hoods are equipped with an adjustable upper baffle only. Other adjustable baffle options are available as follows:

B-790 Lower Adjustable Baffle

B-791 Single Point Remote Adjustable Baffle for 48", 60" and 72" Hoods

B-792 Single Point Remote Adjustable Baffle for 84" and 96" Hoods

Material Options

The design of the RDM Fume Hoods allows for easy substitution of standard components with optional materials.

Interior linings are available in minerit, PVC or stainless steel in lieu of our standard Resin-Chem.

Sash options include full framed, painted or stainless-steel sash.

Sash tracks and lower airfoils are both available in stainless steel.

Contact your RDM representative to assist you in specifying these items.

RDM / Laboratory Fume Hoods

Lattice Assemblies

Lattice assemblies consist of the components listed below and can be configured as required. Lattice rods come in standard length and can be cut in the field for an exact fit.

F-441 36" x 1/2" DIA. ROD

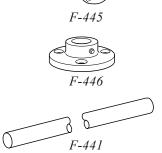
F-442 48" x 1/2" DIA. ROD

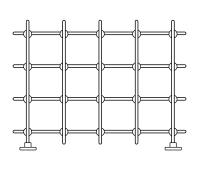
F-443 72" x 1/2" DIA. ROD

F-444 96" x 1/2" DIA. ROD

F-445 CLAMP FOR 1/2" DIA. ROD

F-446 FOOT FOR 1/2" DIA. ROD





Anemometer

F-422 Hand-held, rotating vane anemometer is ideal for monitoring Fume Hood face velocity. The unit which is completely self-contained is powered by a 9-volt battery and can be operated with one hand.

Operation is simple, with a single push-button control in the handle. When the button is depressed and held the unit will display a digital read-out of the Fume Hood face velocity.



F-422

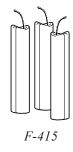
Smoke |

A variety of smoke generating devices is available to monitor the airflow into and around the Fume Hood.

F-415 Smoke sticks generate 2-3 minutes of continuous smoke and come in packages of 12.

F-416 Smoke bottle contains an ampule that, when broken, releases a dense white smoke.

F-417 Smoke cartridges generate 45 seconds of continuous smoke and come in packages of 10.







Filters

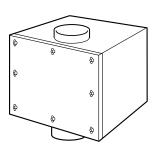
Exhaust filters are used to entrap and retain airborne particles of contamination at their source of origin, preventing the spread of contamination through the ductwork and through the point of discharge.

Note: not recommended for use with radioisotopes

Filter housing assemblies consist of a stainless-steel enclosure with a removable face panel that permits installation of the pre-filter and HEPA filter.

F-423 Filter housing measures 25 13/16" x 23 7/8" x 24 3/8" and includes a 24" x 24" x 11 1/2" HEPA filter and pre-filter. Collar size is 10" Diameter.

F-424 Filter housing measures 31 13/16" x 30 3/8" x 24 3/8" and includes a 24" x 30" x 11 1/2" HEPA filter and pre-filter. Collar size is 12" Diameter.



F-423 F-424

Duct Transitions

Duct Transitions are designed to convert the rectangular collar of the RDM Fume Hood to a round collar.

Transitions are constructed of heavy gauge coated steel and will work with standard round ductwork.

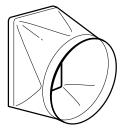
F-500 6"x12" Collar to 9" Dia.

F-501 6"x12" Collar to 10" Dia.

F-502 6"x14" Collar to 9" Dia.

F-503 6"x16" Collar to 10" Dia.

F-504 6"x20" Collar to 12" Dia.



Transitions

Y Branches

Y Branches are used to connect two exhaust or supply ducts on Fume Hoods that require more than one exhaust or supply collar. Branches are constructed of coated steel and will work with standard round ductwork.

F-506 (2) 9" Dia. to a Single 12" Dia.

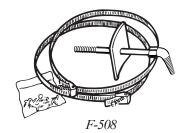
F-507 (2) 9" Dia. to a Single 14" Dia.



Y-Branches

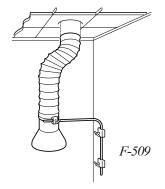
Duct Wash Down

F-508 Wash Down assemblies are suited for use with perchloric acid duct systems. Each nozzle is capable of delivering 3 gallons of water per minute at a water pressure of 40 PSI. The Wash Down assembly is designed to be attached to 12" dia. duct and has a 1/4" male pipe connection.



Local Exhaust

F-509 The RDM Local Exhaust Hood is designed for use with atomic absorption spectrophotometers or flame photometer equipment. Unit comes complete with a 12" dia. stainless steel cone, 8' of 6" dia. flexible duct and adjustable support arm.



Blowers

Blowers for both exhaust and supply are designed for efficient, quiet, continuous duty. Units have a forward curved impeller and come complete with a weatherproof drive cover. Spark resistant and corrosion resistant coatings are available upon request.

When using the chart on page 34, figure the equivalent of 15 linear feet of ductwork for each 90-degree elbow. For complex exhaust systems, contact your RDM representative for assistance in selecting a blower.



Blowers											
HOOD	VELOCITY	VOLUME	DUCT	0-25 L/F OF	DUCT	25-50 L/F O	F DUCT	50-75 L/F O	F DUCT	75-100 L/F C	F DUCT
MODEL NO.		CFM	DIA	BLOWER	RPM	BLOWER	RPM	BLOWER	RPM	BLOWER	RPM
AIRFOIL B	YPASS FUM	E HOODS		•				•	•		
SB-604	100	867	9"	9B	1016	9B	1144	9C	1203	9D	1281
SB-605	100	1133	10"	11C	882	11D	981	11D	1026	11D	1071
SB-606	100	1400	12"	12C	686	12D	733	12D	822	12D	865
SB-607	100	1667	12"	12D	725	12D	747	12D	788	12D	829
SB-608	100	1933	14"	15D	565	15D	565	15D	603	15D	603
	DD AIR FUM	-	-								
SB-624	100	867	9"	9B	1016	9B	1144	9C	1203	9D	1261
	SUPPLY	607	9"	9A	813	9A	880	9A	897	9A	974
SB-625	100	1133	10"	11C	882	11D	981	11D	1026	11D	1071
	SUPPLY	793	10"	11A	693	11A	750	11A	757	11A	822
SB-626	100	1400	12"	12C	686	12D	733	12D	822	12D	865
-2 020	SUPPLY	980	12"	12A	545	12A	560	12A	608	12A	668
SB-627	100	1667	12"	12E	747	12E	788	12E	868	12E	906
3B-021	SUPPLY	1167	12"	12B	580	12B	625	12B	650	12B	677
SB-628	100	1933	14"	15D	565	15D	565	15D	603	15D	603
OD-020	SUPPLY	1353	14"	13C	575	13C	596	13C	640	13C	685
AIDEOU A	DA FUME HO		14	130	3/3	130	390	130	040	130	000
B-684	100	433	9"	8A	950	8A	985	8A	1020	8A	1055
_			10"	8A	1126	8A	1126	8A	1126	8A	1126
B-685	100	567		9A				9A			
B-686	100	700	12"		826 674	9A	826		826	9A	826
B-687	100	833	12"	11A		11A	674	11A	674	11A	746
B-688	100	967	14"	9C	1064	9C	1064	9C	1064	9C	1064
		PE AIR FUMI		1 00	1000	1 00	1040	1 00	1 4 4 4 0	1 05	1 1510
B-634	125	1083	9"	9D	1296	9D	1349	9D	1449	9E	1543
B-635	125	1417	10"	11E	1155	11E	1195	11E	1267	11E	1337
B-636	125	1750	12"	12E	848	12E	886	12E	823	12E	923
B-637	125	2083	12"	13F	821	13F	876	13F	933	13F	990
B-638	125	2417	14"	15E	671	15E	703	15F	766	15F	766
	1	ACID FUME		ı	1	1	1	1		1	
B-644	150	1300	9"	GFE-12D	2200	GFE-12D	2200	GFE-12D	2382	GFE-12E	2382
B-645	150	1700	10"	GFE-12D	2570	GFE-12E	2570	GFE-12F	2732	GFE-12F	2732
B-646	150	2100	12"	GFE-12F	2728	GFE-12F	2886	GFE-12F	2886	GFE-12G	2886
B-647	150	2500	12"	GFE-15H	2259	GFE-15H	2396	GFE-15I	2522	GFE-15I	2637
B-648	150	2900	14"	GFE-15H	2431	GFE-15I	2557	GFE-15I	2557	GFE-15I	2600
AIRFOIL L	OW BENCH	FUME HOOD	S								
B-656	100	1107	10"	11C	880	11D	979	11D	1020	11D	1068
B-658	100	1529	12"	12D	700	12D	769	12D	851	12E	900
AIRFOIL W	ALK-IN FUM	E HOODS					•				
B-666	100	1575	12"	12C	705	12D	740	12D	794	12D	877
B-668	100	2175	14"	15D	570	12D	614	15E	649	15E	680
THIN WAL	L FUME HOC	DS		•			•	•	•		•
B-834	100	947	9"	9C	1078	9C	1078	9C	1078	9C	1078
B-835	100	1206	10"	11D	1033	11D	1076	11E	1117	11E	1150
B-836	100	1464	12"	12D	836	12E	877	12E	895	12E	915
B-837	100	1722	12"	12E	809	12E	888	12F	886	12F	923
B-838	100	1981	14"	15D	570	15D	611	15E	645	15E	652
	RATION FUN	-	1.7		+		+ -··				+
B-814	100	758	10"	11A	750	11A	764	11A	791	11A	822
B-816	100	992	10"	11C	870	11C	870	11C	870	11C	870
	UME HOODS		10		1010		- 570		<u> </u>		- 5.0
B-7730	50	963	12"	12A	479	12A	501	12A	523	12A	545
B-7740	50	1138	12"	12A	580	12A	625	12A	650	12A 12B	677
D-114U	1 30	1130	12	IZD	500	120	023	IZD	000	120	011

FAN SIZE	INLET	OUTLET
9	9" DIA. OD	10 3/4" X 6 1/2" O.D.
11	10" DIA.OD	11 3/4 X 8" O.D.
12	13 1/4" DIA. OD	13 1/4" X 9 5/8" O.D.
13	14 1/2" DIA. OD	14 5/8" X 10 3/4" O.D.
15	16 1/8" DIA. OD	16 1/4" X 11 3/4" O.D.
GFE-12*	12 1/2" DIA. ID**	13 1/2" X 18 1/8"O.D.**
GFE-15*	15 1/2" DIA. ID**	15 1/2" X 21 1/4" O.D.**

1502

ELEC. REQUIREMENTS	HORSEPOWER	VOLTAGE
Α	1/6	115/230, 1PH
В	1/4	115/230, 1PH
С	1/3	115/230, 1PH
D	1/2	115/230, 1PH
Е	3/4	200/208/460, 3PH
F	1	200/208/460, 3PH
G	1 1/4	200/208/460, 3PH
Н	1 3/4	200/208/460, 3PH
I	2	200/208/460, 3PH

836

12D

877

12D

12"

12D

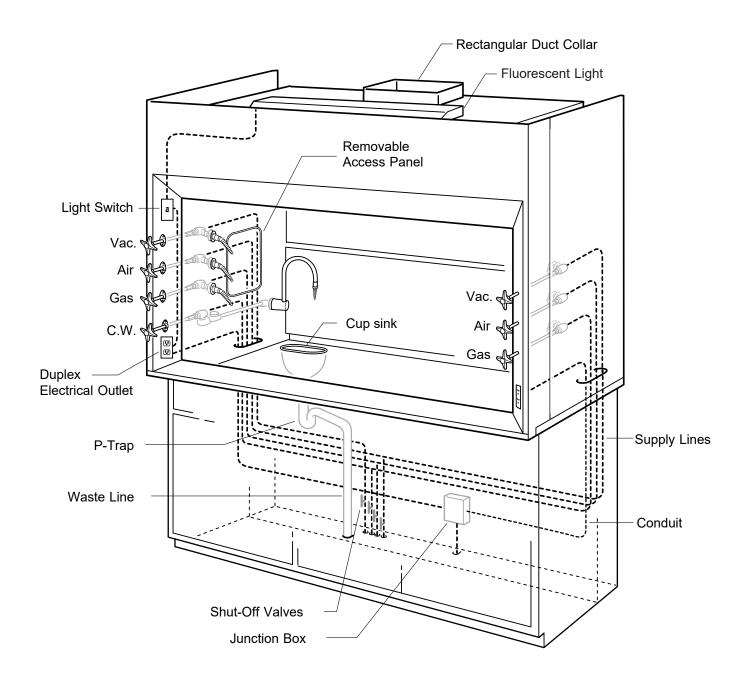
705

12D

750

B-7760

50



The above illustration depicts the routing of service and electrical lines in a typical Fume Hood. Unless specified otherwise, all service and electrical fixtures are shipped separately for installation in the field. Piping, conduit and wire are not included and must be furnished by others in accordance with local codes.

The exact routing of service lines will vary depending on the point of origin and number of services. The illustration shown above shows the service lines feeding up through the Hood from the floor. Service lines can also be routed through the Fume Hood side wall from the ceiling.

RDM Fume Hood Specifications

General

RDM Fume Hoods shall be of a "picture frame" air foil design and construction. Each Fume Hood superstructure shall provide for safe efficient removal of all fumes, both heavy and light, with the least amount of turbulence as the air enters the Hood.

Standard airfoil bench Hood superstructures are tested in accordance with the current ASHRAE Test Procedure and perform well within the American Conference of Governmental Industrial Hygienists recommendations.

Material

Metal: Prime furniture steel, free of scales, buckles, or other defects; ASTM A366.

Stainless Steel: Type 304 or 316, as noted, commercial grade. No. 4 Finish, ASTM A167.

Safety Glass: 7/32" Laminated; conforming to ANSI Z97.1 for 400-foot-pound impact and to CPSC 16 CFR 1201 for Category II Safety Glazing.

PVC: Extruded Black PVC.

Resin-Chem: White chemical resistant, fiberglass reinforced thermoset resin sheet.

Construction

Fume Hood superstructures have a double wall construction consisting of an outer shell of sheet steel and an inner liner of corrosion resistant material as specified. Attachment of the interior lining material to the steel framing members is made with non-metallic fasteners. The double wall shall house and conceal steel framing members, attaching brackets and remote operating service fixture valves.

The exterior side panels of the superstructure are constructed of 18-gauge steel and are removable for access into the interior housing. Access may also be gained through removable panels in the interior liner.

Each superstructure shall have an internal baffle system of the same material as the interior liner. This baffle system shall provide for safe efficient removal of fumes when the superstructure is connected to a properly installed exhaust system. A manual adjustment is provided on the upper part of the baffle to allow the operator to set the Fume Hood for heavy or light fumes. All baffles are removable for cleaning.

Unless specified for use in a variable air volume (VAV) system, the superstructures shall be provided with an air bypass feature. The bypass, located at the upper front interior of the Hood, shall open as the sash is lowered, providing for a relatively constant exhaust volume of the Fume Hood superstructure

When specified, the upper front exterior panel of the superstructure can be furnished with louvers. The louvers provide for proper operation of the bypass feature when the top of the superstructure is closed off to the ceiling.

A two tube, rapid start, vapor sealed fluorescent light fixture of maximum length shall be provided on each superstructure. Each fixture shall include two soft white fluorescent tubes. Light fixtures are relamped from the top front of the superstructure.

Exhaust outlets shall be rectangular, 18-gauge stainless steel. Hoods with stainless steel interior liners shall have 18-gauge stainless steel exhaust collars welded in place.

Fume Hoods shall have a full view, vertical rising, laminated safety glass sash framed with a solid black PVC edging. The sash shall have a full width finger lift with a 16-gauge internal support tube. The sash shall not require the use of a center mullion. Sash guides shall be extruded, black PVC.

The sash shall be counterbalanced with a single weight located in the center rear of the superstructure. Two 1/8" diameter stainless steel cables connect the sash to the weight. The use of two cables acts as a safety mechanism keeping the sash from falling in the event that one cable would fall. The cables ride on 2" diameter nylon ball bearing pulleys. The cable/pulley assembly shall have an adjustment located on the top of the superstructure for proper alignment of the sash.

A lower airfoil of 14-gauge steel, coated with a black baked-on chemical resistant finish, shall act as the sash stop. In addition, the airfoil shall provide a 1" space between the bottom of the sash, in the closed position, and the work surface. This 1" space shall provide for a continuous sweep of fumes from the work surface.

Specifications

RDM / Laboratory Fume Hoods

Airfoil Bypass Fume Hoods

Constructed as specified above. The Airfoil Bypass Fume Hood superstructure has a white Resin-Chem interior lining.

Airfoil Add Air Fume Hoods

The Add Air superstructure shall have an 18-gauge, painted steel add air plenum. The plenum shall be capable of prop-erly distributing up to 70% of the air requirements of the Hood. The add air plenum shall be of standard size and can be added to any of the standard RDM Fume Hoods.

The interior lining of the Airfoil Add Air Fume Hood superstructure shall be white Resin-Chem.

Airfoil Radio Isotope Hoods

The interior lining and work surface of the Radio Isotope superstructure shall be type 304 stainless steel. Seams and joints present in the interior and work surface shall be welded to eliminate pockets, cracks and crevices that would permit a buildup of radioactive materials.

The work surface shall be an integral welded part of the superstructure. It shall be watertight and furnished with a raised edge to contain spills. It shall be properly reinforced to support 200 lbs. per square foot up to a total weight of 1,000 lbs. per Hood or base cabinet section.

An 18-gauge type 304 stainless steel frame shall encase the laminated safety glass sash. The vertical sliding sash shall ride in type 304 stainless steel sash guides.

Interior removable access panels are provided for access to the interior housing.

All other features of the Hood are as specified under "Construction."

Airfoil Perchloric Acid Fume Hoods

Perchloric Acid Fume Hood superstructures shall be identified by a label indicating suitability for use with perchloric acid procedures. All exposed parts of the superstructure interior shall be seamless welded coved cornered, type 316, stainless steel.

The work surface shall an integral welded part of the superstructure. It shall be watertight and furnished with a raised edge to contain spills. A full width drain through shall be located below the baffle.

A water spray (wash down system) shall be provided for rinsing the area behind the baffle. Service fitting controls for the wash down system shall be external to the Hood, clearly identified and within easy reach.

An 18-gauge, type 316 stainless steel frame shall encase the laminated safety glass sash. The vertical sliding sash shall ride in type 316, stainless steel sash guides.

Interior removable access panels are not provided on Perchloric Acid superstructures.

All other features of the Hood are as specified under "Construction."

Low Bench Hoods

Low Bench Fume Hood superstructures shall have a white Resin-Chem interior lining. The sash shall consist of four horizontal sliding, laminated safety glass panels, with a stainless-steel edge trim. The panels shall ride on two tracks of extruded aluminum.

Two removable interior panels shall be located on each side of the Fume Hood superstructure.

All other fixtures of the Low Bench Fume Hood superstructure are specified under "Construction."

Walk-In Fume Hoods

Walk-In Fume Hood superstructures shall have a white Resin-Chem interior lining. The sash shall consist of two vertical sliding, laminated safety glass panels as specified under "Construction."

Two removable interior access panels shall be located on each side of the Fume Hood superstructure.

All other features of the Walk-In Fume Hood superstructure are as specified under "Construction."

Definitions

RDM / Laboratory Fume Hoods

Add Air - Supply air delivered to a laboratory Fume Hood to reduce room air consumption.

Air Foil – Curved or angular members at the Fume Hood entrance.

Air Volume – Quantity of air normally expressed in cubic feet per minute (CFM).

ASHRAE - American Society of Heating, Refrigerating and Air Conditioning Engineers.

Baffle - Panel located across the Fume Hood interior back which controls the pattern of air moving into and through the Fume Hood.

Blower - Air moving device, sometimes called a fan, consisting of a motor, impeller and housing.

Bypass - Compensating opening that maintains a relatively constant volume exhaust through a Fume Hood regardless of sash position and that functions to limit the maximum face velocity as the sash is lowered.

Canopy Hood - Suspended ventilating device for non-critical use to exhaust only heat, water vapor and odors.

Countertop - Work surface resting on a base cabinet.

Duct - Round, square or rectangular tube used to enclose moving air.

Duct Velocity - Speed of air moving in a duct, usually expressed in feet per minute (FPM).

Exhaust Collar – Connection between exhaust duct and Fume Hood through which all exhaust air passes.

Face Velocity – Speed of air moving into Fume Hood entrance or access opening, expressed in feet per minute (FPM).

Liner - Interior lining used for side, back, top enclosure panels, exhaust plenum and baffle system of a laboratory Fume Hood.

Lintel - Portion of laboratory Fume Hood front located directly above the access opening.

Resin-Chem - White chemical resistant fiberglass reinforced thermoset resin sheet.

Sash - Movable transparent panel set in Fume Hood entrance.

Service Fitting - Fixture laboratory plumbing mounted on the Fume Hood intended to control the supply of piped gases and liquids for laboratory use.

Static Pressure - Air pressure in laboratory Fume Hood or duct usually expressed in inches of water.

Static Pressure Loss - Measurement of resistance created when air moves through a duct or hood, usually expressed in inches of water.

Superstructure - That portion of a laboratory Fume Hood that is supported by the countertop.

RDM / Laboratory Fume Hoods

NOTES:

RDM / Laboratory Fume Hoods

NOTES:







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