

UniFlow Radioisotope Fume Hoods

The UniFlow Radioisotope Fume Hood is available in 48", 60" and 72" widths. Constructed of welded Type 304 stainless steel to prevent absorption of radioactive and corrosive materials.



UniFlow Radioisotope Fume Hood #14401 with optional service fixtures, plumbing & electrical, airflow monitor, worksurface, and base cabinet . HEMCO recommends all fume hoods be equipped with an airflow monitor

Stainless Steel Prevents Radioactive Absorption

Interior is constructed of Type 304 Stainless Steel to prevent absorption of radioactive and corrosive materials.

Seamless Interior Easily Decontaminated

One piece interior and integral work surface have welded, seamless construction with covered corners which prevents chemical build-up and provides easy decontamination. Stainless steel baffle is removable for easy cleaning.

Work Surface Features Reinforced Construction

Work surface is welded integral to the fume chamber. Surface is reinforced to support heavy isotope shielding materials.

COMPLETE YOUR FUME HOOD INSTALLATION

Designed to provide a complete solution to radioisotope fume hood requirements. A complete system can include bag-in, bag-out HEPA or carbon filters, ductwork, and exhaust blowers, work together to provide a safe, efficient radioisotope fume hood system

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

OPTIONAL ACCESSORIES

Ducting and Ventilation Systems

Stainless steel recommended by others.

Radioisotope Exhaust Blowers and Filters

see pages 18-19

Airflow Monitors and Sash Stop

see page 19

Plumbing and Electrical Services

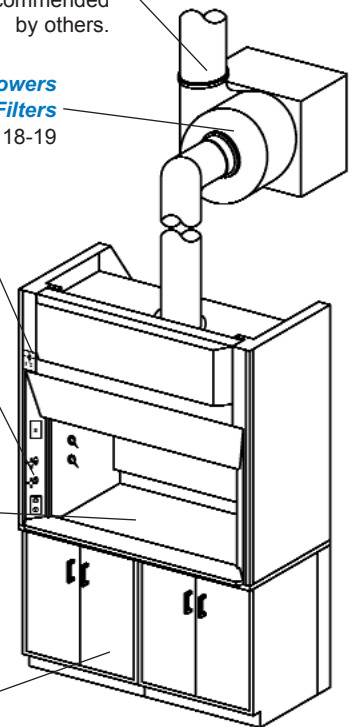
Factory installed according to your exact specifications see pages 27-28

Integral Stainless Steel Dished Worksurface

with 6"x3" oval cupsink. reinforced to support isotope containers.

Base Cabinets

see pages 24-25



RADIOISOTOPE EXHAUST BLOWERS & FILTERS



Radioisotope Exhaust Blowers

HEMCO offers specialty exhaust blowers to safely and efficiently vent radioisotope fume hoods. Blowers are sized based on the hood and length of ducting. Selected exhaust blowers are shown on page 19.



Radioisotope Filters

HEMCO engineers Bag-In/Bag-Out Filtration systems to meet specific exhaust requirements. Carbon filters are used to absorb fumes and HEPA filters are used to collect particulate. Bag-In/Bag-Out Filters are shown on page 19.

UNIFLOW Radioisotope Fume Hoods

SPECIFICATIONS		FUME HOOD WIDTH			
		48"	60"	72"	
<p>1. Uniflow Radioisotope Fume Hood with Stainless Steel Interior Liner. Seamless type 304 stainless steel fume chamber with integral work surface all covered corners with baffle and exhaust collar. Picture frame sash opening with counter balanced clear tempered safety glass sash with chemical resistant PVC framing and track and aerodynamic sash lift. Vapor-proof light fixture and switch prewired to single point junction box, 115 volt, 60Hz AC, All electrical components UL Listed. Optional service fixtures are shown on page 27. Optional electrical services are shown on page 29.</p>		Cat. No. 14401	Cat. No. 14501	Cat. No. 14601	
	RADIOISOTOPE EXHAUST BLOWERS & FILTERS				
	<p>2. Radioisotope Exhaust Blowers V-belt drive coated steel blower with adjustable sheaves, thermal overload protection, and weather cover. The specifications at right are based on 100 fpm face velocity.</p>	1/2 HP Blower - 800 CFM @ 1" SP (for 48" hoods)	Cat. No. 51715		
1/2 HP Blower - 938 CFM @ 1" SP (for 60" hoods)			Cat. No. 51721		
1/2 HP Blower -1175 CFM @ 1" SP (for 72" hoods)				Cat. No. 51724	
<p>3. Hepa Filter Bag-In/Bag-Out Filter is contained within a type 304 stainless steel housing with Bag-in/Bag-out attachment and prefilter. HEPA is 99.99% efficient and the prefilter is 30% efficient. Filter is rated at 1000 cfm. One filter required for 48" and 60" hoods; 2 filters required for 72" hoods. See page 37 for more information.</p>		Cat. No. 51189	Cat. No. 51189	Cat. No. 51189	
	<p>4. Carbon Filter Bag-In/Bag-Out Filter is contained within a type 304 stainless steel housing with bag in, bag out attachment and prefilter. Advise factory of specific contaminant and volume so proper carbon can be supplied. Filter rated at 1000 CFM. One filter required for 48" and 60" hoods; 2 filters required for 72" hoods. See page 36 for more information.</p>		Cat. No. 51198	Cat. No. 51198	Cat. No. 51198

UNIFLOW RADIOISOTOPE FUME HOODS

FUME HOOD SIZES			
A	48"	60"	72"
B	38"	50"	61"
C	24"	30"	36"
D	10"	10"	12"

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

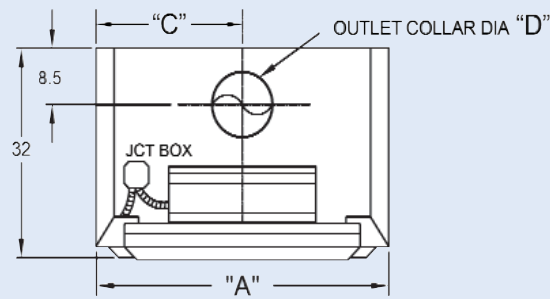
AIRFLOW MONITOR Cat. No. 51406

Continuously monitors face velocity airflow of fume hood. Select and calibrate at desired FPM velocity set point. If the hood face velocity falls below the set point, an audible alarm sounds and a visual red indicator light appears. Airflow alarm is factory installed or can be field installed. 115 volt 60Hz

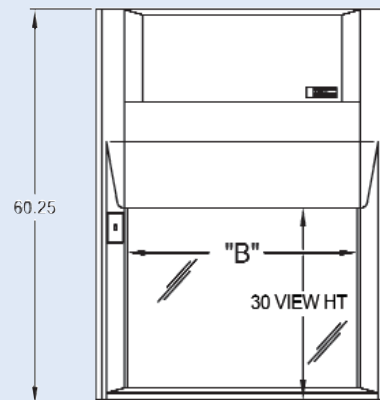


SAFETY SASH STOP Cat. No. 51651

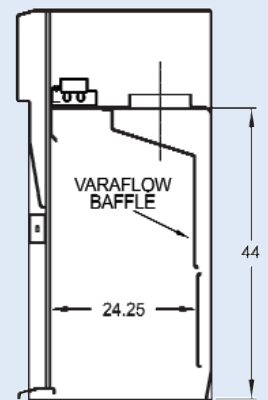
Factory installed to specified designated height. Also available for field installation.



TOP VIEW



FRONT VIEW



SECTIONAL VIEW