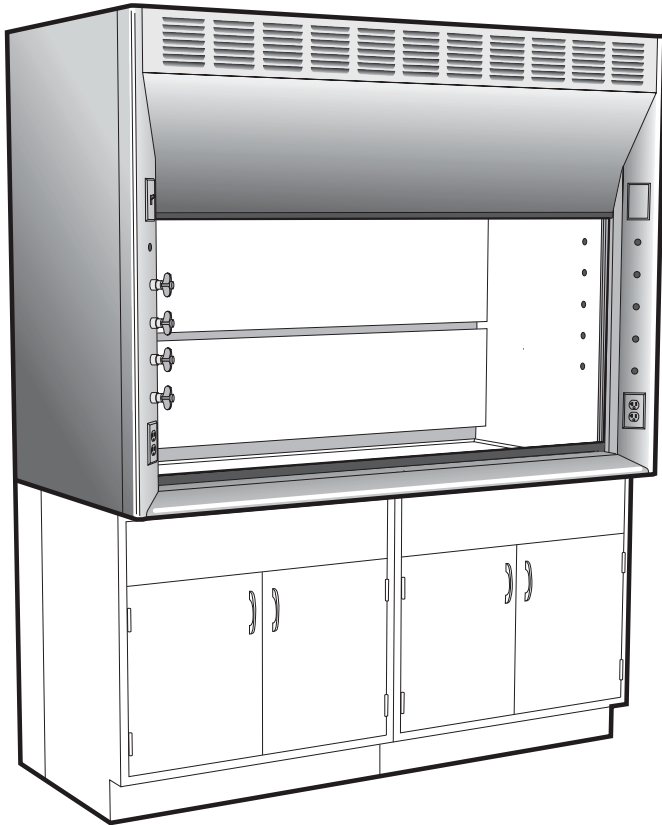


Isotope Bench Fume Hood

with Vertical Rising Sash



Available Option:

- Adjustable Baffles
- Air Flow and Static Pressure Alarms
- Service Fittings and Piping
- Electrical Fixtures and Wiring
- UL listed when pre-wired per UL 61010A-1
- Vapor Proof and Explosion Proof Lighting
- Stainless Steel Deflector Vane
- Alternate Sash Handles
- Sash Frame
- Tempered Sash Glass
- Tissue Screen
- Sash Stop

Available Models:

- Open By-Pass
- Restricted By-Pass
- Auxiliary Air

Features:

- Coved cornered, seamless welded stainless steel construction for easy cleaning and decontamination.
- Complete with integral work top and hemispherical cupsink.
- Radiused corner posts and airfoils for smooth air movement assures high level of comfort, safety and efficiency.
- 4" thick endwalls provide more interior work space and clean-lined uncluttered design.
- Interior baffles designed to minimize turbulence and optimize containment.
- Frameless sash with full-length formed steel handle for neat, clean appearance and streamline air features.
- Low profile PVC sash tracks and exclusive sash leveling and alignment features assure easy-smooth sash operation
- Heavy gauge cold rolled steel exterior panels with independent rigid structural frame.
- Designed and tested using ASHRAE 110-1995, BS 7258, and DIN 12 924 standards.

Supreme Air Fume Hood

H2O

Specifications:

Supreme Air Isotope Bench Fume Hoods are furnished with a type 304 stainless steel liner and baffles with upper, center, and lower exhaust slots. Each fume hood is complete with a lower deflector vane, counterbalanced, frameless sash of

1/4" combination safety glass, dished work top, and 5" diameter cupsink. Hood exteriors are fabricated of cold rolled steel, phosphate coated with a baked chemical resistant, synthetic resin finish. The exhaust duct collar is stainless steel, 11¹⁵/₁₆" O.D. (8 foot

hoods are furnished with two duct collars.) Supreme Air Isotope Hoods are available with either an Open By-Pass or a Restricted By-Pass for VAV use. An auxiliary air chamber is available for use on the Open By-Pass hood.

Additional Parts Required to Make Up a Complete Fume Hood Assembly

Base Cabinets see page 61
Service Fittings see page 55
Fan/Blower see page 80

DIMENSIONS	HEIGHT	LENGTH				DEPTH
Overall Dimension	89 3/4" **	48"	60"	72"	96"	36"
Sash Opening	28" *	40"	52"	64"	88"	...
Work Top	37" **	40"	52"	64"	88"	25 1/2"
Clearance (sash up)	97" **

* Sash opening height above airfoil. Add 1" in height to calculate sash opening area.
** Subtract 1" in height if wood base cabinets are used.

Overall Hood Length	Sash Opening Sq. Ft.	Total CFM and Static Pressure					
		80 FPM	S.P.	100 FPM	S.P.	120 FPM	S.P.
4'-0" / 48"	8.1	not recommended		810	0.25"	980	0.35"
5'-0" / 60"	10.5	not recommended		1050	0.30"	1260	0.45"
6'-0" / 72"	12.9	not recommended		1290	0.40"	1550	0.60"
8'-0" / 96"	17.7	not recommended		1770	0.25"	2130	0.35"

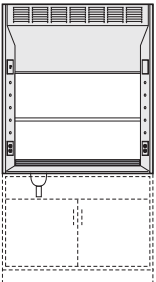
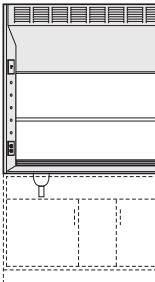
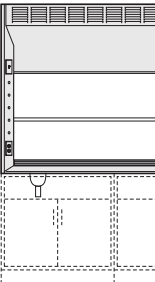
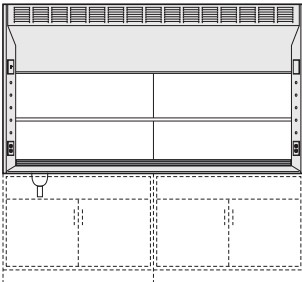
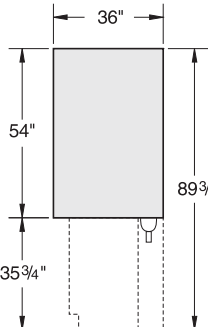
Static pressures shown are for the pressure drop through the hoods only. The total pressure drop through the hood and the duct system must be calculated to select the proper exhaust fan.

Note: CFM requirements shown above are for **Open By-Pass** hoods. The CFM requirements for a **Restricted By-Pass** hood with the sash fully open is the same as above. The by-pass opening with the sash closed is 20% of that with the sash fully open.

Accessories Include: Two 120 volt AC 20 amp GFI receptacles, single-tube, T-5 fluorescent light fixture with bulb and 20 amp light switch. **No wiring for the electrical fixtures is included unless H-Option is selected.**

Optional Accessories: Each front post and interior end liner is punched for up to five (5) front loading remote control service fittings. The right hand post is punched for a second electrical fixture at the top which may be used for a fan switch or other electrical device. **Service fittings, fan, fan switch, and base units must be ordered separately.**

Isotope Bench Fume Hoods — Vertical Rising Sash

4'-0"	5'-0"	6'-0"	8'-0"	
				
H20S5448-00 Open By-Pass	H20S5460-00 Open By-Pass	H20S5472-00 Open By-Pass	H20S5496-00 Open By-Pass	End View
H20S5448B00 Restricted By-Pass	H20S5460B00 Restricted By-Pass	H20S5472B00 Restricted By-Pass	H20S5496B00 Restricted By-Pass	

Auxiliary Air

All Open By-Pass hoods can be Auxiliary Air hoods by adding an Auxiliary Air Chamber. See page 43 for catalog numbers.

Note: See page 44 for chart of available options.

Note: Open By-Pass Fume Hood shown. Restricted By-Pass Fume Hoods do not have louvered top front panel.