

Distillation 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
1805 UL classified with Kemglass, Stainless Steel, or Phenolic Resin liner
Vapor Proof and Explosion Proof Lighting
Stainless Steel Deflector Vane
Sash Frame & Tempered Sash Glass
Tissue Screen
Fire Extinguisher
Distillation Rack
Sash Stop
Stainless Steel Duct Collar
Removable Work Shelf

Available Models:

Open By-Pass
Restricted By-Pass
Auxiliary Air

Features:

- 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 sashes 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
- Large friction-fit interior access panels provide easy access to piping and service fittings.
- 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

H36

Specifications:

Supreme Air Distillation Fume Hoods are furnished with a choice of liner and baffles with upper, center, and lower exhaust slots. Each fume hood is complete with a lower deflector vane, two counterbalanced, frameless sash of 1/4" combination safety glass and interior

plumbing access panels. Hood exteriors are fabricated of cold rolled steel, phosphate coated with a baked chemical resistant, synthetic resin finish. The exhaust duct collar is polyethylene, 1 15/16" O.D. (8 foot hoods are furnished with two duct collars.)

Supreme Air Distillation 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

- Hood Base** see bottom of page
- Work Top** see page 49
- Optional Work Shelf** see page 50
- Service Fittings** see page 54
- Cupsink** see page 53
- Fan/Blower** see page 80

Liner Options:

- T** = Phenolic Resin
- G** = Kemglass
Fiberglass reinforced polyester
- K** = KMER
Kewaunee Modified Epoxy Resin
- S** = Type 304 Stainless Steel

The blank left in the fume hood catalog numbers is for designating the desired lining.

Example: H36T5448-00 would designate a 4' hood with a Phenolic Resin lining.

DIMENSIONS	HEIGHT	LENGTH				DEPTH
Overall Dimension	106 1/2"	48"	60"	72"	96"	36"
Lower Sash Opening	35 3/4" *	40"	52"	64"	88"	...
Work Top	18"	40"	52"	64"	88"	25 1/2"
Optional Work Shelf	37"	40"	52"	64"	88"	24 1/2"
Clearance (sash up)	119 3/4"

* Sash opening height above airfoil. Add 1" in height to calculate sash opening area.

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"	11.6 *	930	0.30"	1160	0.45"	1400	0.65"
5'-0" / 60"	15.1 *	1210	0.40"	1510	0.60"	1820	0.90"
6'-0" / 72"	18.6 *	1490	0.55"	1860	0.85"	2240	1.20"
8'-0" / 96"	25.5 *	2040	0.35"	2550	0.50"	3060	0.70"

* Includes lower sash opening and 1" opening below deflector vane.

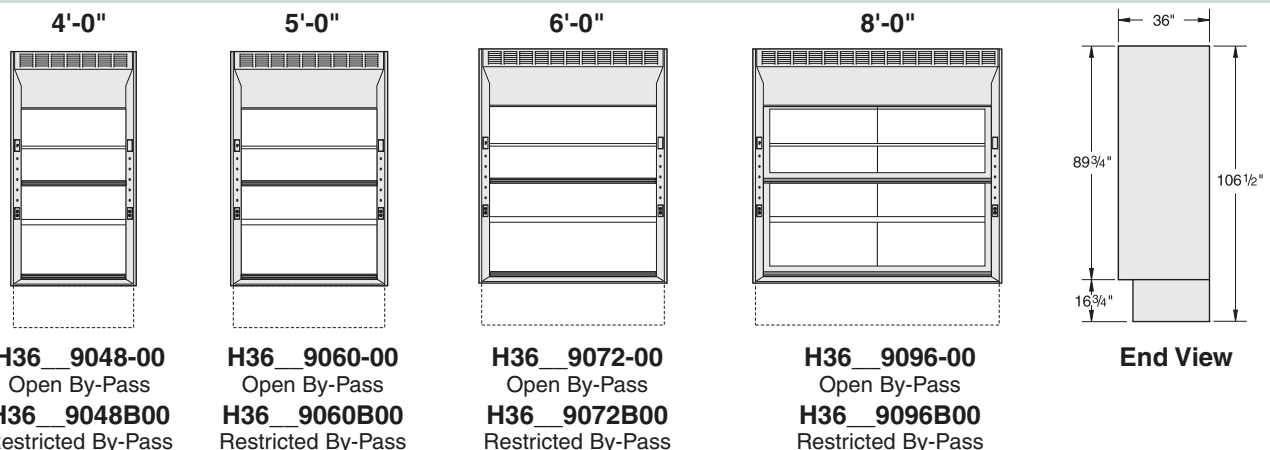
Static pressures shown are for the pressure drop through the hoods only. The total pressure drop through the hood and the duct system must be calculated to select the proper exhaust fan.

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) 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. **Hood base, service fittings, fan, fan switch, work top, cupsink, and optional removable work shelf must be ordered separately.**

Distillation Fume Hoods — Vertical Rising Sash



8' Distillation Hood available with framed sash only.

Distillation Hood — Base Assemblies

- | | | | | |
|------------------|------------------|------------------|------------------|---|
| 019245-48 | 019245-60 | 019245-72 | 019245-96 | Steel Base Assembly
Wood Base Assembly |
| 019246-48 | 019246-60 | 019246-72 | 019246-96 | |

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.