

## METAL FUME HOODS

### Fume Hoods tested to ASHRAE 110 standards

Steel fume hoods offered by Laboratory Solutions are made by Mott Manufacturing Ltd. Canada.

Mott's fume hoods have been specifically developed to meet the demanding safety, energy conservation, and operational requirements of the modern laboratory. All fume hoods are designed using proven aerodynamic and ventilation concepts. They are then manufactured to exacting standards and tested to accepted protocols (ASHRAE 110).

Our attention to detail has allowed Mott's fume hoods to earn a reputation as an industry leader in reliable containment performance and contemporary aesthetic design.

Available in numerous models, Mott's fume hoods can be readily custom manufactured through the integration of an extensive offering of optional features. The resulting adaptability delivers effective safety and operational solutions for the many varied application demands found in laboratories today.

Mott is ISO certified and member of SEFA. Mott products are SEFA certified.

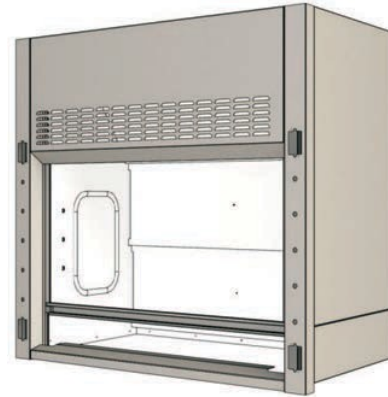


# Standard Pro Bench Series Fume Hoods

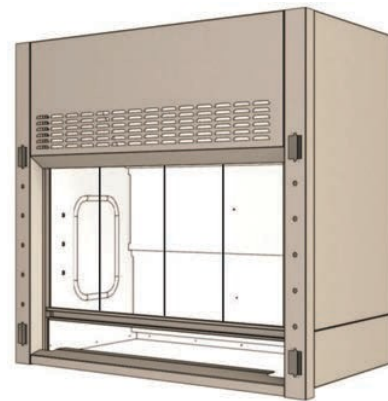
This all purpose fume hood is designed to meet most laboratory Constant Air Volume (CAV) or Variable Air Volume (VAV) requirements.

## Pro series bench mounted fume hood is supplied with following standard features:

- A vertical rising sash.
- An automatic compensating upper by-pass .
- Field-convertible to Restricted By-Pass for VAV use.
- A lower airfoil by-pass with electrical cord notches.
- Cable or Chain/Sprocket Sash System.
- A UL/CSA approved fluorescent light fixture
- Both corner posts pre-punched to accept a maximum of 5 plumbing fittings per post.
- Standard FRP liner.
- Removable interior access panel in each side wall.
- Removable exterior side panels.
- Several liner materials are available.
- Available in either stainless steel cable, or chain and sprocket sash suspension system.



Fume Hood with Vertical Sash



Fume Hood with Combination Sash

## Optional Features:

- Stainless, Epoxy, PVC liners
- Automatic Sash Mechanism
- Vision Panel
- Flush Sill Airfoil
- Distillation rack
- Base cabinet and stands

## Pro Bench Top Fume Hoods

Sash System	Vertical Sash				Combination Sash			
	Cable & Pulley		Chain & Sprocket		Cable & Pulley		Chain & Sprocket	
<i>Linear Material</i>	<i>FRP</i>	<i>SS</i>	<i>FRP</i>	<i>SS</i>	<i>FRP</i>	<i>SS</i>	<i>FRP</i>	<i>SS</i>
914mm	7121000	7124000	7121040	7124040	--	--	--	--
1219mm	7221000	7224000	7221040	7224040	7221010	7224010	7221050	7224050
1524mm	7321000	7324000	7321040	7324040	7321010	7324010	7321050	7324050
1829mm	7421000	7424000	7421040	7424040	7421010	7424010	7421050	7424050
2438mm	7521000	7524000	7521040	7524040	7521010	7524010	7521050	7524050
1000mm	7B21000	7B24000	7B21040	7B24040	--	--	--	--
1500mm	7C21000	7C24000	7C21040	7C24040	7C21010	7C24010	7C21050	7C24050
2000mm	7D21000	7D24000	7D21040	7D24040	7D21010	7D24010	7D21050	7D24050

\*SS liner type 316 with Square corners.

\*Contact Laboratory Solutions for exhaust parameters.

# SafeGuard Bench Top Fume Hoods

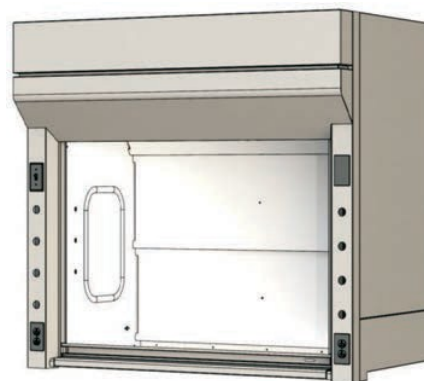
The SafeGuard™ fume hood represents a balance of key safety elements and new design. The SafeGuard™ Constant Air Volume (CAV) fume hood has been developed to meet the challenging safety, energy conservation, and operational requirements of today's laboratory. The new contemporary design creates a stylish image for today's modern lab environment.

**The SafeGuard bench mounted fume hood is supplied with the following standard features:**

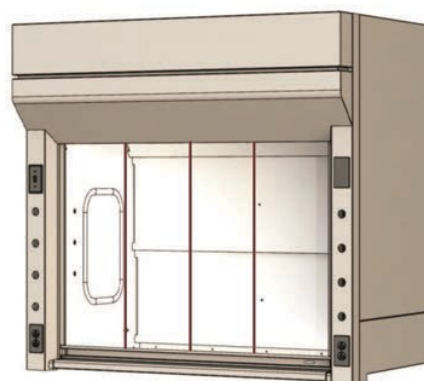
- Vertical or Combination rising sash.
- Chain and sprocket sash counterbalance system.
- Field covertable for VAV use.
- Low profile powder coated, type 316 stainless steel hinged airfoil is flush with work surface to for easy cleaning.
- The airfoil allows for the safe introduction of electrical wiring into the fume hood in a manner that still allows the full closure of the sash.
- 34" high sash glass allows for superior visibility of the fume hood interior.
- UL/CSA approved fluorescent light fixture.
- Two corner posts pre-punched to accept a maximum of 4 plumbing fittings per post.
- Removable interior access panels.
- Removable exterior side panels.
- Auto sash leveler automatically closes to the 18" height which decreases exhaust air and offers extra protection to the operator.
- Round exhaust collar.

**Optional Features:**

- Stainless, Epoxy, PVC liners
- Automatic Sash Mechanism
- Vision Panel
- Flush Sill Airfoil
- Distillation rack
- Base cabinet and stands



Fume Hood with Vertical Sash



Fume Hood with Combination Sash

Sash System	Vertical Sash		Combination Sash	
	Chain & Sprocket		Chain & Sprocket	
<i>Linear Material</i>	<i>FRP</i>	<i>SS</i>	<i>FRP</i>	<i>SS</i>
1219mm	7271040	7274040	7271050	7274050
1524mm	7371040	7374040	7371050	7374050
1829mm	7471040	7474040	7471050	7474050
2438mm	7571040	7574040	7571050	7574050

\*SS liner type 316 with Square corners.

\*Contact Laboratory Solutions for exhaust parameters.

Fume Hood with Vertical Sash

# Distillation Fume Hoods

This all purpose fume hood is designed to meet most laboratory Constant Air Volume (CAV) designed to mount on a 30" deep counter top.

**The Pro bench mounted fume hood is supplied with the following standard features:**

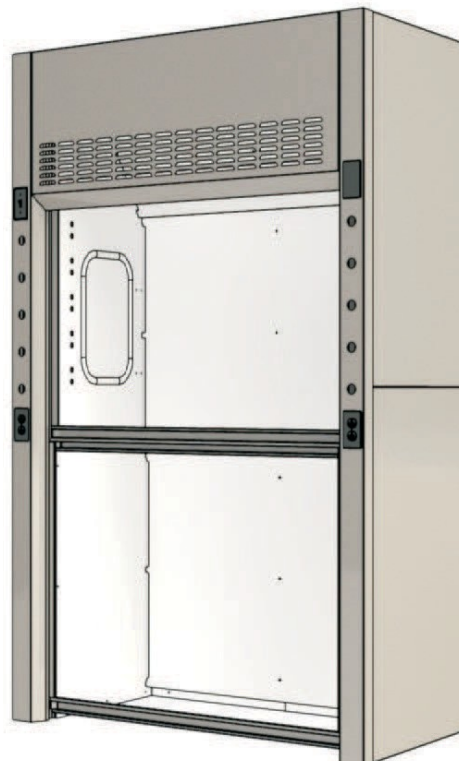
- Dual vertical rising sash.
- An automatic compensating upper by-pass.
- Optional restricted by-pass damper.
- Cable or Chain & Sprocket sash system.
- A lower airfoil by-pass with electrical cord notches.
- A UL/CSA approved fluorescent light fixture
- Both corner posts pre-punched to accept a nominal of 5 plumbing fittings per post.
- Removable interior access panel in each side wall, two per side.
- Removable exterior side panels.

**Optional Features:**

- Stainless, Epoxy, PVC liners
- Automatic Sash Mechanism
- Distillation rack
- Base stand

**Base Stand:**

- Fully welded tables are 9-3/4" high x 29" deep with
- 2" square tube legs and supplied with leveling glides.
- Tables larger than 48" wide are supplied with six legs
- Tables will support an 1800lb load.
- Comes with PVC boots and levelers.



Distillation Fume Hood with Dual vertical sash

Sash System	Vertical Sash				Base Stand
	Cable & Pulley		Chain & Sprocket		
Liner Material	FRP	SS	FRP	SS	
914mm	7121004	7124004	7121044	7124044	DTF1036
1219mm	7221004	7224004	7221044	7224044	DTF1048
1524mm	7321004	7324004	7321044	7324044	DTF1060
1829mm	7421004	7424004	7421044	7424044	DTF1072
2438mm	7521004	7524004	7521044	7524044	DTF1096
1000mm	7B21004	7B24004	7B21044	7B24044	DTF100B
1500mm	7C21004	7C24004	7C21044	7C24044	DTF100C
2000mm	7D21004	7D24004	7D21044	7D24044	DTF100D

\*SS liner type 316 with Square corners.

\*Contact Laboratory Solutions for exhaust parameters.

# Walk-in Fume Hoods

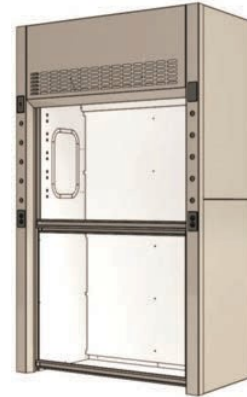
This all purpose fume hood is designed to meet most laboratory Constant Air Volume (CAV) or Variable Air Volume (VAV) requirements. Designed to sit directly on laboratory floor.

**The Pro fume hood is supplied with the following standard features:**

- Dual vertical rising or optional upper combo sash.
- A UL/CSA approved fluorescent light fixture.
- Both corner posts pre-punched to accept a nominal of 5 plumbing fittings per post.
- Removable interior access panel in each side wall, two per side.
- Electrical Receptacles.
- Removable exterior side panels.
- Floor mounted fume hoods are designed to operate with only one sash open.
- Sash closes within 1” off the floor.

**Optional Features:**

- Stainless, Epoxy, PVC liners
- Automatic Sash Mechanism
- Distillation Rack



Walk-in Fume Hood with Upper Combination Sash



Walk-in Fume Hood with Dual Vertical Sash

**Walk-in Fume Hoods**

Sash System	Dual Vertical Sash				Upper Combination	
	Cable & Pulley		Chain & Sprocket		Cable & Pulley	
Liner Material	FRP	SS	FRP	SS	FRP	SS
914mm	7121001	7124001	7121041	7124041	--	--
1219mm	7221001	7224001	7221041	7224041	7221051	7224051
1524mm	7321001	7324001	7321041	7324041	7321051	7324051
1829mm	7421001	7424001	7421041	7424041	7421051	7424051
2438mm	7521001	7524001	7521041	7524041	7521051	7524051
1000mm	7B21001	7B24001	7B21041	7B24041	--	--
1500mm	7C21001	7C24001	7C21041	7C24041	7C21051	7C24051
2000mm	7D21001	7D24001	7D21041	7D24041	7D21051	7D24051

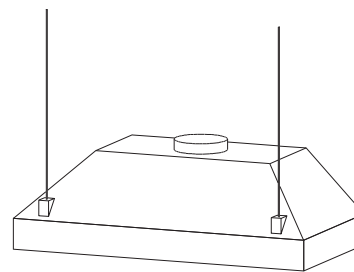
\*SS liner type 316 with Square corners.

\*Contact Laboratory Solutions for exhaust parameters.

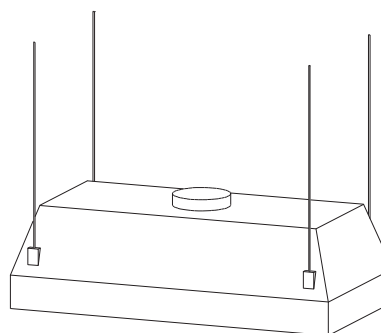
# Canopy Hoods

Exhaust canopies are primarily used to exhaust steam, odors and heat. In a work area where the expense and capabilities of a fume hood are not justified.

- Available in either wall or island configurations.
- Standard 18" high.
- Integrally welded construction.
- Integral continuous condensation catch edge.
- Integral duct stub.
- Steel rod suspension.
- Standard fixed baffle (not available with fluorescent light option).
- Optional UL/CSA approved fluorescent light fixture complete with bulbs.
- Powder coated and stainless steel construction available.



Wall Canopy Hood



Island Canopy Hood

### Optional Light Fixture:

- Complete with a light enclosure.
- Fixed baffle not available when ordering fluorescent light.
- Wire from light to junction box is not concealed.

### Wall Canopy Hoods

Width	30" Deep				36" Deep		
	Duct Dia	Painted	304 SS	316 SS	Painted	304 SS	316 SS
914mm	10"	CWP1236	CWR1236	CWS1236	CWP1336	CWR1336	CWS1336
1219mm	10"	CWP1248	CWR1248	CWS1248	CWP1348	CWR1348	CWS1348
1524mm	12"	CWP1260	CWR1260	CWS1260	CWP1360	CWR1360	CWS1360
1829mm	12"	CWP1272	CWR1272	CWS1272	CWP1372	CWR1372	CWS1372
2438mm	2@10"	CWP1296	CWR1296	CWS1296	CWP1396	CWR1396	CWS1396
1000mm	10"	CWP120A	CWR120A	CWS120A	CWP130A	CWR130A	CWS130A
1513mm	12"	CWP120B	CWR120B	CWS120B	CWP130B	CWR130B	CWS130B
2000mm	12"	CWP120C	CWR120C	CWS120C	CWP130C	CWR130C	CWS130C

### Island Canopy Hoods

Width	30" Deep				36" Deep		
	Duct Dia	Painted	304 SS	316 SS	Painted	304 SS	316 SS
914mm	10"	CIP1236	CIR1236	CIS1236	CIP1336	CIR1336	CIS1336
1219mm	10"	CIP1248	CIR1248	CIS1248	CIP1348	CIR1348	CIS1348
1524mm	12"	CIP1260	CIR1260	CIS1260	CIP1360	CIR1360	CIS1360
1829mm	12"	CIP1272	CIR1272	CIS1272	CIP1372	CIR1372	CIS1372
2438mm	2@10"	CIP1296	CIR1296	CIS1296	CIP1396	CIR1396	CIS1396
1000mm	10"	CIP120A	CIR120A	CIS120A	CIP130A	CIR130A	CIS130A
1513mm	12"	CIP120B	CIR120B	CIS120B	CIP130B	CIR130B	CIS130B
2000mm	12"	CIP120C	CIR120C	CIS120C	CIP130C	CIR130C	CIS130C