TruView **Venturi Fume Hood** **V51F...**

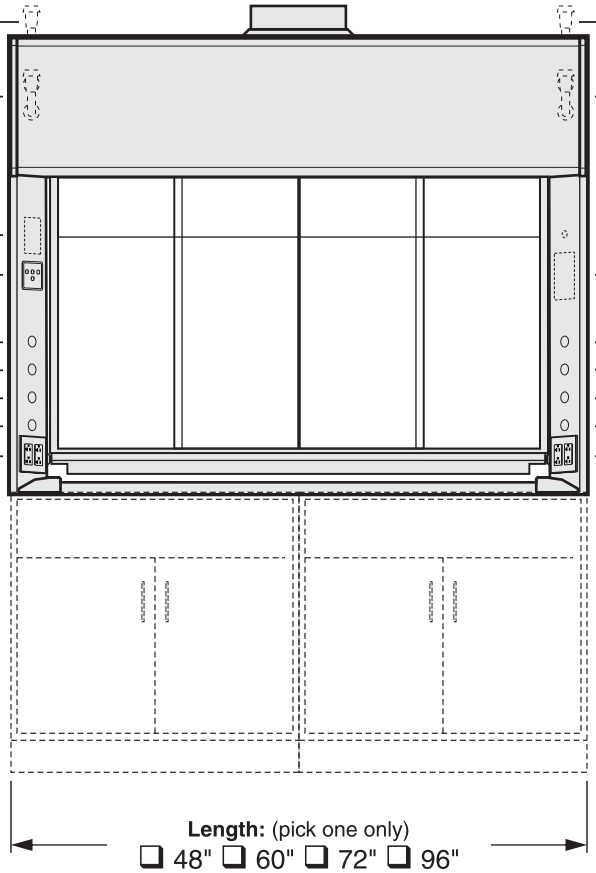
Teaching/Demonstration Bench Hood with Combintion Sash — Single-sided

(indicate fittings/fixtures required)
(hole plugged if no fitting specified)

[Vacuum Breaker]
[Vacuum Breaker]
[Option K - Fan/Blower Switch]
Light/Sash Stop Controller
[Water]
120VAC GFCI Double Duplex

(indicate fittings/fixtures required)
(hole plugged if no fitting specified)

[Vacuum Breaker]
[Vacuum Breaker]
[Option A2/A3 Alarm]
[Water]
120VAC GFCI Double Duplex



Length: (pick one only)
❑ 48" ❑ 60" ❑ 72" ❑ 96"

Receptacles: (pick one)
- ❑ **S** Spec. Grade GFCI

Receptacle Color: (pick one)
- ❑ **K** Black
- ❑ **W** White
- ❑ **R** Red
- ❑ **V** Ivory
- ❑ **G** Grey

Wiring: (pick if required)
- ❑ **U** Pre-wired - Top of Hood
- ❑ **U2** Pre-wired - Vapor Proof

Plumbing: (pick one if required)
- ❑ **RU** Pre-plumbed to Top with hoses
- ❑ **RD** Pre-plumbed to Bottom with hoses

Required: (pick one from each group)

Rear Window Configuration (pick one)
- ❑ **SB** Solid Back Wall & Baffles
- ❑ **CB** Glass Back Wall & Baffles

Interior Liner Material (pick one)
- **G** Kemglass (Fiberglass Reinforced Polyester)

Sash Frame (pick one)
- ❑ **M** Powder Coated Steel Frame
- ❑ **S** Type 304L Stainless Steel Frame

Sash Glass (pick one)
- ❑ **G1** Laminated Safety Glass
- ❑ **G2** Tempered Safety Glass

Service Fitting Valve Type (pick one)
- **F4** Front Load (Watersaver or FAR)

Hood Configuration (pick one)
- ❑ **SA** Stand Alone (Free standing)
- ❑ **LE** Left End (Left end of run)
- ❑ **RE** Right End (Right end of run)
- ❑ **AD** Add-on (Middle of run)

- ❑ **V** Modified By-pass for VAV Control System
  Controller Manf:_____
  Model:_____ Minimum CFM: ☐☐☐

Options: (pick all required)

- ❑ **N1** Solid Left Window (Kemglass panel w/frame)
- ❑ **N2** Solid Right Window (Kemglass panel w/frame)
- ❑ **N3** Solid L & R Window (Kemglass panel w/frame)
  (pick one only)

- ❑ **A2** Air Alert 600 Alarm
- ❑ **A3** Air Alert 300 Alarm
  (pick one only)
- ❑ **L** Sash Stop Label

- ❑ **D** Distillation Rack Preparation

- ❑ **T** Tissue Screen

- ❑ **K** Fan/Blower Switch (1hp motor rated)

- ❑ **O** Stainless Steel Airfoil - Type 304L
- ❑ **O2** Stainless Steel Airfoil - Type 316L
- ❑ **Q** Stainless Steel Sash Pulls
- ❑ **C** Stainless Steel Duct Collar

- ❑ **R1** Auto Sash Return
- ❑ **R3** Proximity Sash Operator
  (pick one only)

Overall Length	Back Config.	Hood Liner	Sash Frame	Sash Glass	Service Fittings	Electrical Fixtures	Hood Config.	Options (separated by commas)	COLOR	ITEM NO.	QUANTITY
V51F ☐☐	☐☐	**G**	☐ -	☐☐ ,	**F4** ,	☐☐ ,	☐☐ -	_____			

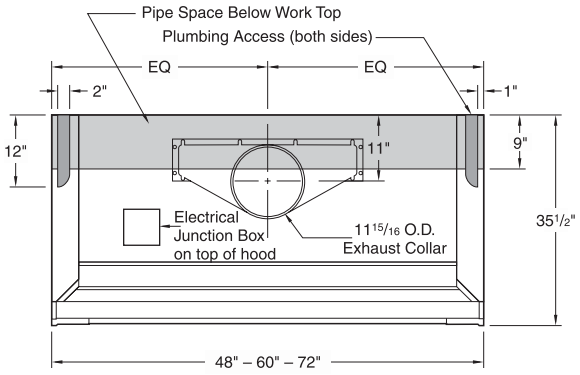
Technical Information V51F...

Airflow (CFM) Requirements

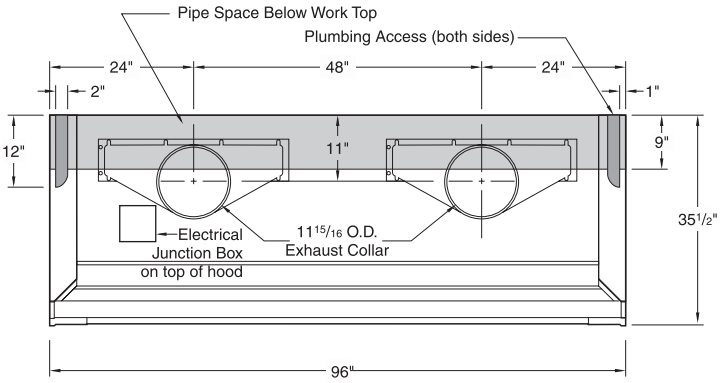
Face Velocity	18" High Sash Opening								Sash Closed – Panels Full Open							
	4'-0" / 48"		5'-0" / 60"		6'-0" / 72"		8'-0" / 96"		4'-0" / 48"		5'-0" / 60"		6'-0" / 72"		8'-0" / 96"	
	CFM	SP	CFM	SP	CFM	SP	CFM	SP	CFM	SP	CFM	SP	CFM	SP	CFM	SP
100 FPM	502	0.15	656	0.19	810	0.24	1118	0.16	424	0.11	567	0.14	709	0.19	995	0.13
80 FPM	401	0.10	525	0.13	648	0.16	895	0.11	339	0.07	453	0.09	568	0.12	796	0.09
60 FPM	301	0.06	394	0.07	486	0.09	671	0.06	254	0.04	340	0.05	426	0.07	597	0.05
50 FPM	251	0.04	328	0.05	405	0.07	559	0.04	212	0.03	284	0.04	355	0.05	498	0.04

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.

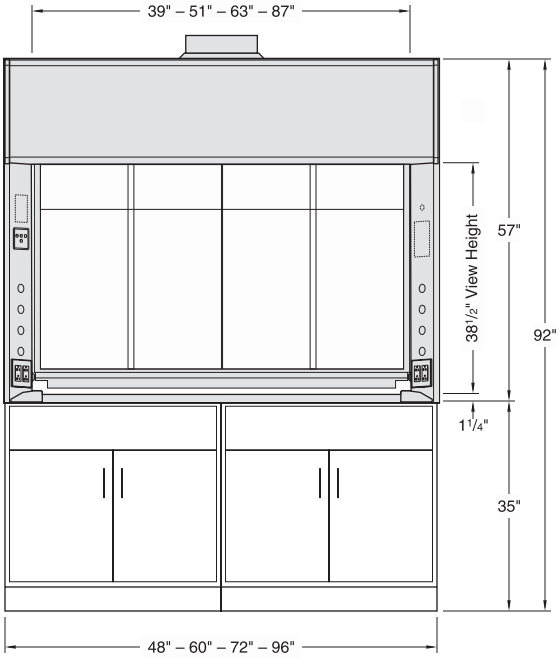
Inside Depth	ANSI Z9.5 Minimum Flow Rate							
	150 Air Changes/Hour				375 Air Changes/Hour			
	4'-0" / 48"	5'-0" / 60"	6'-0" / 72"	8'-0" / 96"	4'-0" / 48"	5'-0" / 60"	6'-0" / 72"	8'-0" / 96"
24" deep	70 CFM	90 CFM	110 CFM	145 CFM	170 CFM	220 CFM	265 CFM	365 CFM



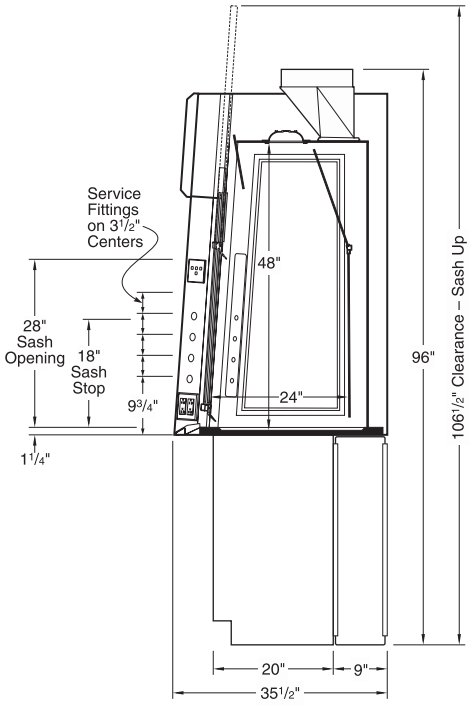
4'-5'-6' Rough-in



8' Rough-in



Elevation



Vertical Section