

# Supreme Air Venturi Fume Hood

Isotope Bench Hood with Vertical Rising Sash

# V40F28...

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

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(hole plugged if no fitting specified)

[Option K - Fan/Blower Switch]

**Light/Sash Stop Controller**

[Option A1/A3 Alarm]

[Water]

[Water]

**120VAC GFCI Double Duplex**

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**Pre-piping:** (pick one if required)

- IN** Installed (no piping)
- PU** Pre-piped Up
- PD** Pre-piped Down
- SP** Pre-piped Single Point
  - Up - Left Side
  - Up - Right Side

**Receptacles:** (pick one)

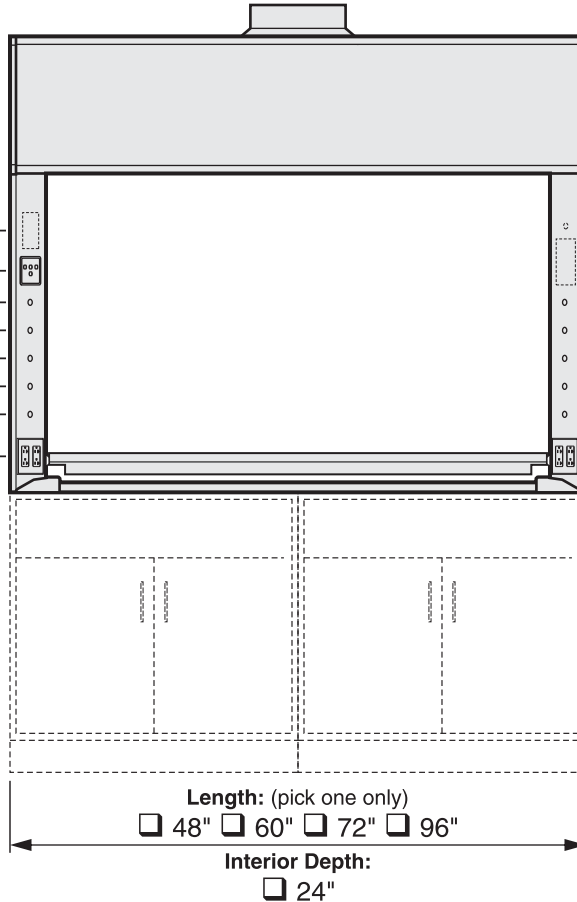
- S** Spec. Grade GFCI
- H** Hospital Grade GFCI

**Receptacle Color:** (pick one)

- K** Black
- W** White
- R** Red
- V** Ivory
- G** Grey

**Wiring:** (pick if required)

- U** Pre-wired - Top of Hood



**Required Options:** (pick one from each group)

**Interior Liner Material** (pick one)

- S** Type 304L Stainless Steel

**Sash Frame** (pick one)

- N** Frameless
- M** Powder Coated Steel Frame
- S** Type 304L Stainless Steel Frame

**Sash Glass** (pick one)

- G1** Laminated Safety Glass
- G2** Tempered Safety Glass
- G3** Polycarbonate

**Service Fitting Valve Type** (pick one)

- F3** Front Load Needle Valves

**Add-on Options:** (pick all required)

- A1** Air Alert 600 Alarm
- A3** Air Alert 300 Alarm
- L** Sash Stop Label

(pick only one)

- S** Safety Shield
- T** Tissue Screen
- B1** Vapor Proof Light
- B2** Explosion Proof Light
- K** Fan/Blower Switch - (1hp motor rated)
- O** Stainless Steel Airfoil - Type 304L
- O2** Stainless Steel Airfoil - Type 316L
- Q** Stainless Steel Sash Pulls
- R3** Proximity Sash Operator

- V** Modified By-pass for VAV Control System

VAV Controller Manf: \_\_\_\_\_

Model: \_\_\_\_\_

Minimum CFM:

Sash Height	Inside Depth	Overall Length	Hood Liner	Sash Frame	Sash Glass	Service Fittings	Electrical Fixtures	Add-on Options (separated by commas)	COLOR	ITEM NO.	QUANTITY
V40F	28	24	S	-	F3	-					

# Technical Information

# V40F28...

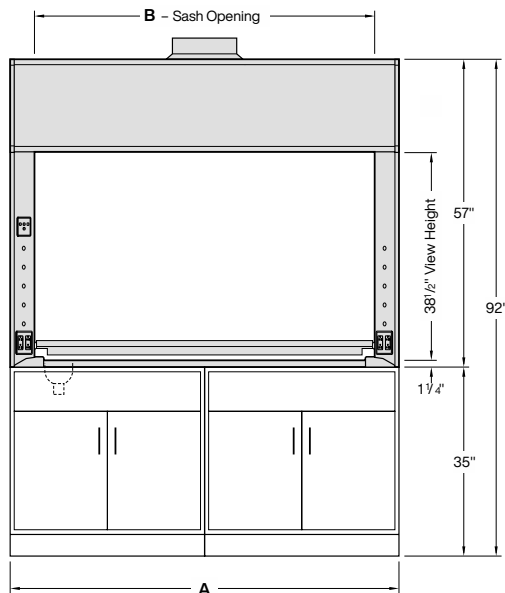
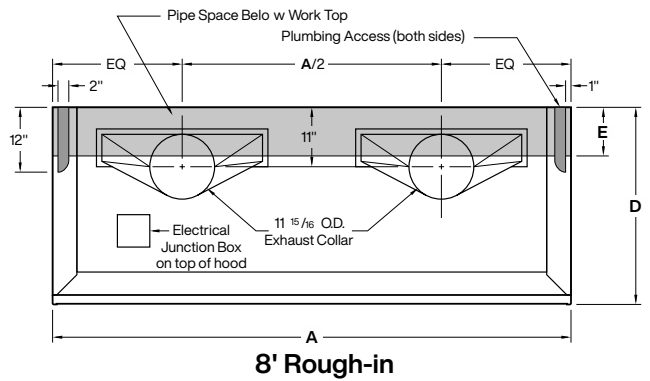
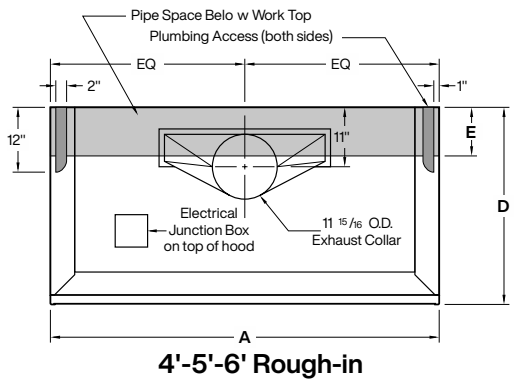
## Airflow (CFM) Requirements

Face Velocity	28" High Sash Opening								18" High Sash Opening							
	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
120 FPM	927	0.49	1212	0.62	1497	0.77	2067	0.54	602	0.21	787	0.27	972	0.34	1342	0.23
100 FPM	772	0.35	1010	0.44	1247	0.55	1722	0.38	502	0.15	656	0.19	810	0.24	1118	0.16
80 FPM	618	0.23	808	0.29	998	0.36	1378	0.25	401	0.10	525	0.13	648	0.16	895	0.11

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.

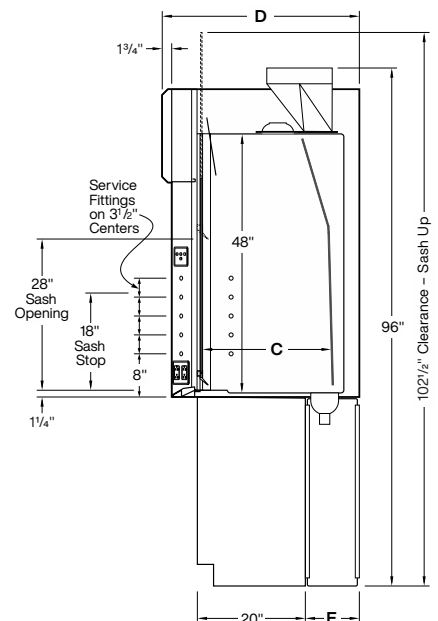
## ANSI Z9.5 Minimum Flow Rate

Inside Depth	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	80CFM	100 CFM	120 CFM	170 CFM	190 CFM	240CFM	300CFM	410 CFM



Elevation

Dimensions - Length				
A	48"	60"	72"	96"
B	39"	51"	63"	87"



Vertical Section

Dimensions - Depth	
C	24"
D	36 1/2"
E	9"