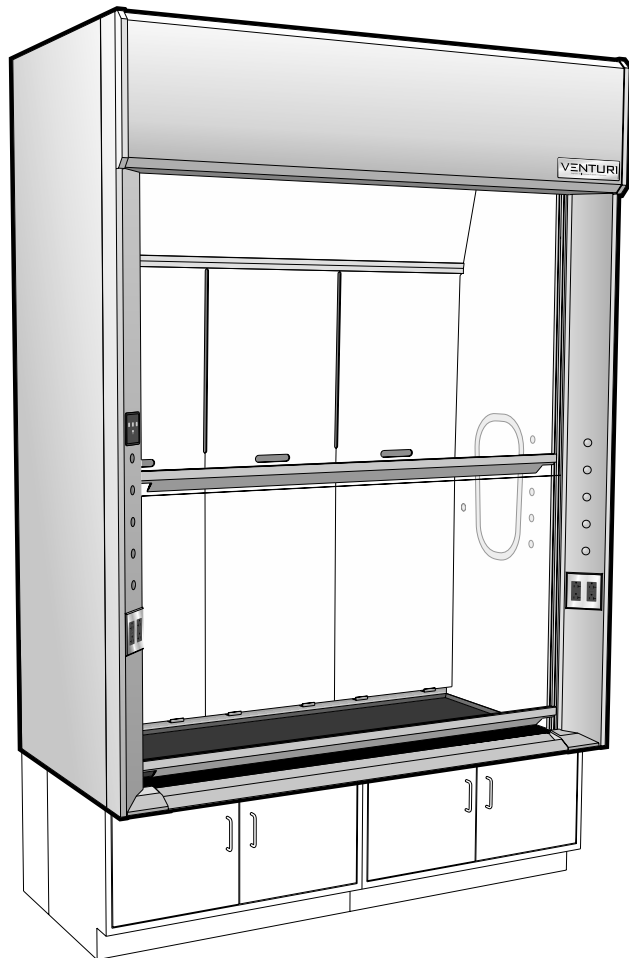


V90 – Distillation Fume Hood

with Vertical Rising Sash



Accessories Included:

- 4 120 VAC 20 amp GFCI* protected duplex receptacles
** when wired to a single circuit, as standard with Option U*
- 1 LED light fixture with illumination and color controller
- 1 Mechanical sash stop

Available Sizes:

part no.
code

Full Sash Opening Height:

63 inches / 16001mm **63**

Inside Depth:

24 inches / 610mm **24**

30 inches / 762mm **30**

36 inches / 914mm **36**

Overall Length:

48 inches / 1219mm **48**

60 inches / 1524mm **60**

72 inches / 1829mm **72**

96 inches / 2438mm **96**

Available Liner Types:

part no.
code

Kemglass **G**

Fiberglass reinforced polyester
1805 UL classified

KMER **K**

Kewaunee Modified Epoxy Resin

Type 316L Stainless Steel **L**

1805 UL classified

Type 304L Stainless Steel **S**

1805 UL classified

Phenolic Resin **T**

Additional Parts Required for a Complete Fume Hood Assembly

Work Top	see page 58
Cupsink	see page 60
Ceiling Enclosure	see page 61
Service Fittings	see page 62
Base Cabinets	see page 70

Available Sash Frames:

part no.
code

Frameless **N**

Powder Coated Steel **M**

Type 304L Stainless Steel **S**

Sash Opening Height Inside Depth Overall Length Liner Type Sash Frame Sash Glass Fitting Holes Electrical Fixture Option Choices (separated by commas)

V90F 63 - - , ...

Technical Information

V90

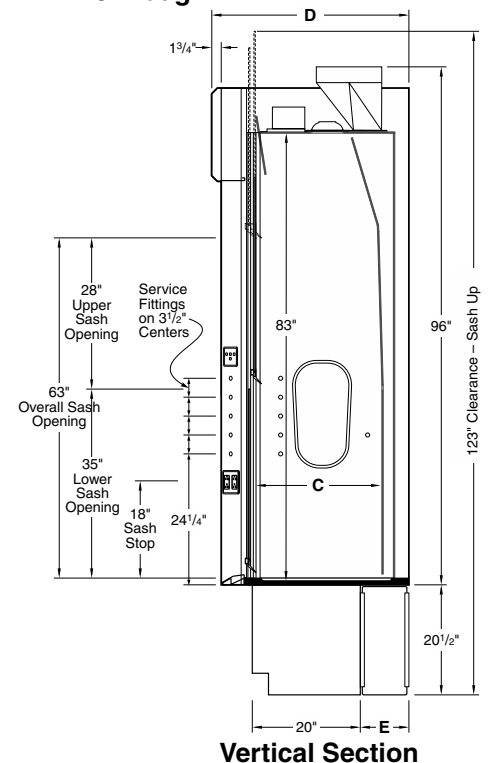
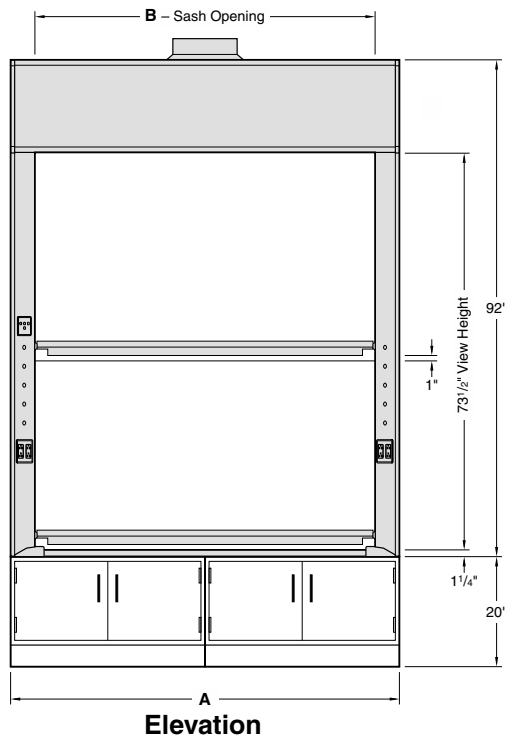
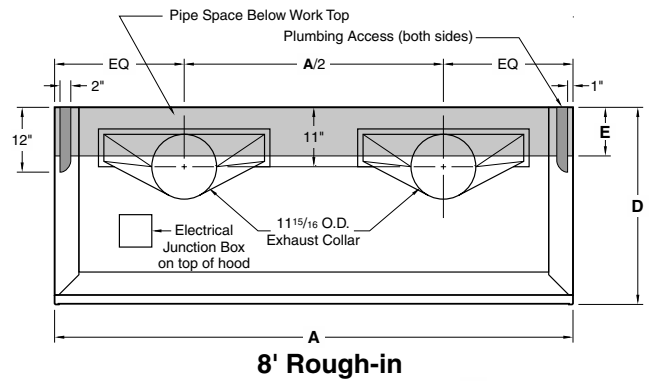
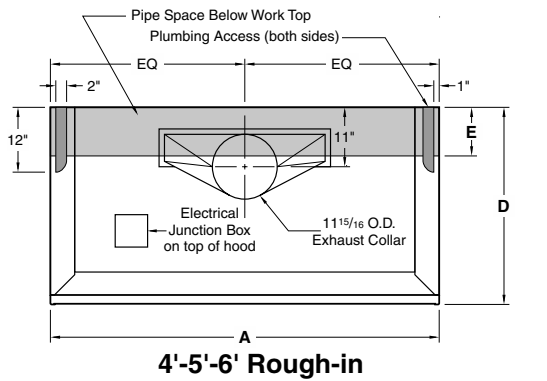
Airflow (CFM) Requirements

Face Velocity	28" High Upper Sash Opening								18" High Lower 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	980	0.60	1280	0.70	1580	0.90	2180	0.60	620	0.25	810	0.30	1000	0.40	1380	0.25
100 FPM	820	0.40	1070	0.50	1320	0.65	1820	0.45	520	0.20	680	0.25	840	0.30	1150	0.20
80 FPM	650	0.25	850	0.35	1050	0.40	1450	0.30	420	0.15	540	0.15	670	0.20	920	0.15

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	120 CFM	160 CFM	200 CFM	270 CFM	300 CFM	390 CFM	480 CFM	660 CFM
30" deep	150 CFM	200 CFM	240 CFM	330 CFM	370 CFM	480 CFM	590 CFM	820 CFM
36" deep	180 CFM	230 CFM	290 CFM	390 CFM	440 CFM	570 CFM	710 CFM	970 CFM



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

Dimensions – Depth			
C	24"	30"	36"
D	36 1/2"	42 1/2"	48 1/2"
E	9"	15"	21"