

Supreme Air Venturi

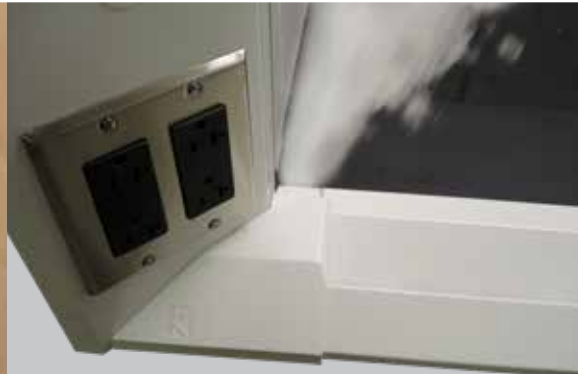
Laboratory Fume Hoods



KEWAUNEE[®]

encouraging new discovery... *Worldwide*

VENTURI



Venturi Effect

"A short tube with tapering constriction in the middle that causes an increase in velocity of flow...or creating suction." *Oxford Dictionary*

Giovanni Batista Venturi – (1746-1822)

The Venturi Port accelerates the airflow in the lower corners of the hood opening. *patent pending*

VENTURI

Supreme Air | Kewaunee Scientific Corporation

Kewaunee's Venturi Fume Hood Offering

- Constant Volume
- Variable Air Volume
- Bench Mounted Hoods
 - 24" - 30" - 36" interior depths
 - 48" and 60" interior heights
 - 28" and 35" sash heights
- Floor Mounted Hoods
 - 24" - 30" - 36" - 48" interior depths
 - 83" interior height
 - 74" viewing height
- ADA Accessible
- TruView - Teaching Hoods
- Sash offerings
 - Vertical
 - Split Vertical
 - Horizontal
 - Combination
 - Split Combination
- Liner Options:
 - KMER Epoxy Resin
 - Kemglass – FRP
 - Stainless Steel
 - Phenolic Resin

Contents

Venturi Fume Hood Features.....	2
Venturi Selection Guide.....	3
VenturiPart Num Explanation	4
TruView Part Num Explanation .	5
Guide to Fume Selection	6
General Purpose Bench Hoods..	8
Split Sash Bench Hoods.....	14
ADA Bench Hoods	18
LX Series Bench Hoods.....	22
LX Series Split Sash Hoods.....	30
V40 - Isotope Hoods.....	38
V45 - Perchloric Acid Hoods..	40
TruView Teaching Hoods	42
TruView Configurations	58
Floor Mounted Hoods.....	60
Distillation Hoods.....	66
Venturi Fume Hood Options ...	70
Electrical Fixtures.....	73
Pre-wired	73
Work Tops	76
Cupsinks	78
Ceiling Enclosures	79
Service Fittings	80
TruView Enclosures	84
TruView Service Fittings	85
Base Cabinets.....	87
Fume Hood Accessories	92
Pre-wired & Pre-piped	94
Recommended Work Practices	95
Glossary of Term & Definitions	100
Index.....	104
Typical Installations	106
Fume Hood Testing Facilities.	107



Supreme Air Venturi
V05 Vertical Rising
Sash Bench Hood

Venturi Fume Hood Features



Light & Sash Stop Controller

General Features

- LED interior lighting with 15 intensity and 3 color settings
- Large viewing height
- Unparalleled containment
- Low Flow/High Performance
- Energy Efficient
- Venturi post design improves corner airflow
- Electromechanical sash stop integrated into sash track
(mechanical sash stop on floor mounted hoods)
- Flush airfoil for easy user access
- Easily removable, gasketed Access Panels
- Two GFCI protected duplex receptacles in each corner post
- Room for five service fittings per side post
- Sash handle notched at each end for cord pass-through



Venturi Port & Notched Sash Handle

Belt Driven Sash & Pulley System

- Low maintenance, dual shaft, belt and gear driven, sash system utilizing lineal bearings in the sash track for smooth operation



- Tested to 300,000 cycles



Venturi Fume Hood Selection Guide

	Interior Height	Sash Type	Sash Opening Height	Available Interior Depths				Available Exterior Lengths						
				24"	30"	36"	48"	48"	60"	72"	96"	120"	144"	
General Purpose Bench Hoods														
V05	48"	Vertical	28"	•	•	•		•	•	•	•			page 8-9
V06	48"	Combination	28"	•	•	•		•	•	•	•			page 10-11
V07	48"	Horizontal	31"	•	•	•		•	•	•	•			page 12-13
Split Sash Hoods (Extra Length)														
V10	48"	Vertical	28"	•	•	•					•	•	•	page 14-15
V11	48"	Combination	28"	•	•	•					•	•	•	page 16-17
ADA Hoods														
V15	51"	Vertical	28"	•				•	•	•	•			page 18-19
V16	51"	Combination	28"	•				•	•	•	•			page 20-21
V52 Teaching	51"	Vertical	28"	•				•	•	•	•			page 46-47
V53 Teaching	51"	Combination	28"	•				•	•	•	•			page 48-49
V57 Teach Dbl Side	51"	Vertical	28"				•	•	•	•	•			page 54-55
V58 Teach Dbl Side	51"	Combination	28"				•	•	•	•	•			page 56-57
LX Series Fume Hoods (Extra Height)														
V25	60"	Vertical	28" - 35"	•	•	•		•	•	•	•			page 22-25
V26	60"	Combination	28" - 35"	•	•	•		•	•	•	•			page 26-29
LX Series Split Sash Hoods (Extra Length & Extra Height)														
V30	60"	Vertical	28" - 35"	•	•	•					•	•	•	page 30-33
V36	60"	Combination	28" - 35"	•	•	•					•	•	•	page 34-37
Specialty Hoods														
V40 Isotope	48"	Vertical	28"	•				•	•	•	•			page 38-39
V45 Perchloric Acid	48"	Vertical	28"	•				•	•	•	•			page 40-41
TruView Teaching Hoods														
V50	48"	Vertical	28"	•				•	•	•	•			page 42-43
V51	48"	Combination	28"	•				•	•	•	•			page 44-45
V55 Double Sided	48"	Vertical	28"				•	•	•	•	•			page 50-51
V56 Double Sided	48"	Combination	28"				•	•	•	•	•			page 52-53
General Purpose Floor Mounted Hoods														
V65	83¾"	Vertical	64¼"	•	•	•	•	•	•	•	•			page 54-55
V66	83¾"	Combination	64¼"	•	•	•	•	•	•	•	•			page 56-57
V67	83¾"	Horizontal	68"	•	•	•	•			•	•			page 58-59
Distillation Fume Hoods														
V90	83"	Vertical	63"	•	•	•		•	•	•	•			page 60-61