

Vertex—Crossflow Modular System

FUME AND DUST EXTRACTION SYSTEM

The unique Vertex modular system allows for rapid build and rapid reconfiguration; or construction of large extracted walls in very short timescales.

High Efficiency fans.

Low energy fans allow us to move large volumes of air at low power. EC Technology permits simple low voltage control, or central management. Single or three phase versions are available at no extra cost.

Controls.

Ranging from a simple on/off switch on a single unit, to centrally controlled, daisy chained systems for multiple installations. Speed control is available as a simple option. Every unit is fitted with filter condition monitoring via a pressure loss gauge.

Build a Booth

From a simple extracted wall to a full height extracted booth, constructed within a day using the Vertex modular approach.



Some dust and extraction applications are too large for a downflow bench such as the FN range or they have heavier dust load, making disposable filters expensive to replace regularly.

For these applications we recommend a modular, cross-flow extraction system.

These modular systems are available in a range of sizes which can be stacked to create "walls" of extraction.

Multiple Vertex systems can be installed together alongside our standard booth components to form a walk-in dust extraction booth.

The standard **VA** range offers 8 different size options which can be configured to suit most application sizes.

The Vertex systems can also be supplied in a number of styles to suit a wide range of applications.

The **VS** range are manufactured in a choice of T304 or T316 stainless steel and designed for cleanroom and pharmaceutical applications.

The **VP** range incorporates in-built compressed air powered filter cleaning making these systems ideal for stone masonry, steel grinding or similar applications where dust volumes overpower panel filter systems.

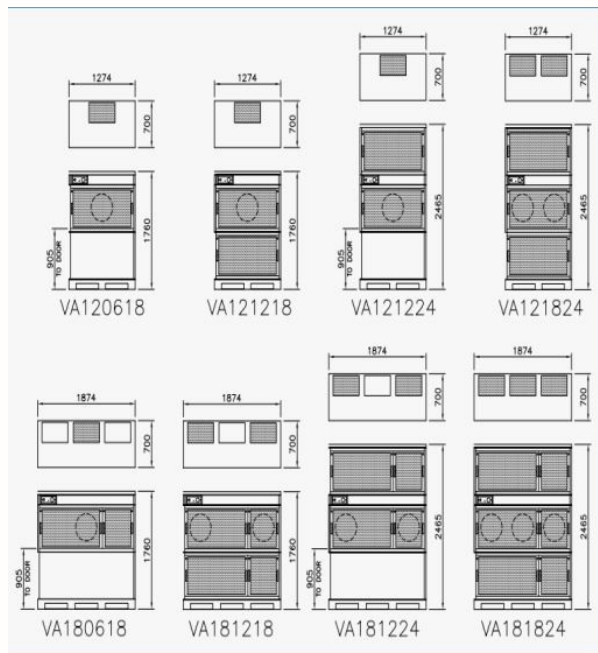
The **VX** range are suitable for use in ATEX zone 22 areas. 2 filter configurations are available for dust applications. All filters and electrical components are independently certified as being suitable for use in potentially explosive atmospheres

Various enclosures are available to complement the Vertex range. Available in 1270mm and 1870mm widths.

Please contact Vodex for more information.



Available Bench Sizes



Technical Specifications

Power Supply.

240v/1ph—415v/3ph option

Motor.

High efficiency EC Fan

Noise Level.

<70dBA at 1m

Material finish.

Textured grey powder coat

Applications

Suitable for use with Dust or fume applications.

Made in Britain



Model	Overall			Ventilated Area	
	Width	Depth	Height	Width	Height
V390-VA120618	1274	700	1760	1200	600
V390-VA121218	1274	700	1760	1200	1200
V390-VA180618	1874	700	1760	1800	600
V390-VA181218	1874	700	1760	1800	1200
V390-VA121224	1274	700	2465	1200	1200
V390-VA121824	1274	700	2465	1200	1800
V390-VA181224	1874	700	2465	1800	1200
V390-VA181824	1874	700	2465	1800	1800

Filter classification	Filters		Filter Classification	Filters	
	Pre	Final		Pre	Final
A—Non Sparking Dusts		G4	E—Low Volume Fumes	G4	Carbon(450mm)
F—Fine Dusts	G4	F7	J—High Volume Fume	G4	Carbon(900mm)
B—Very Fine Dusts	G4	F9	R—Special Duty Fume	G4	Chemisorb
L—HEPA Filtered	G4	H13	C—Dust and Light Sparks	Spark	M6

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Technical Specifications

Power Supply.

240v/1ph—415v/3ph option

Motor.

High efficiency EC Fan

Noise Level.

<70dBA at 1m

Material:

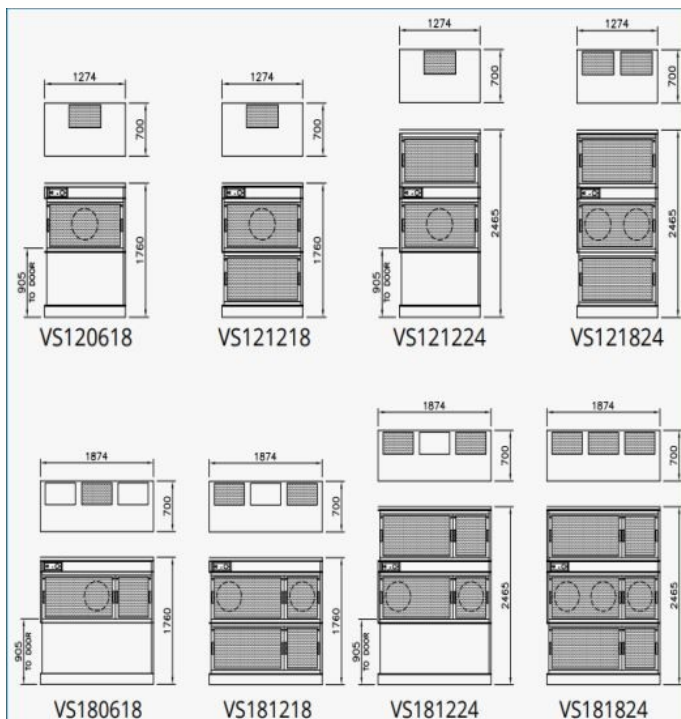
Heavy Duty 2mm T304 Stainless Steel as standard or T316 optional.

Applications

For use in High grade clean environments.



Available Sizes



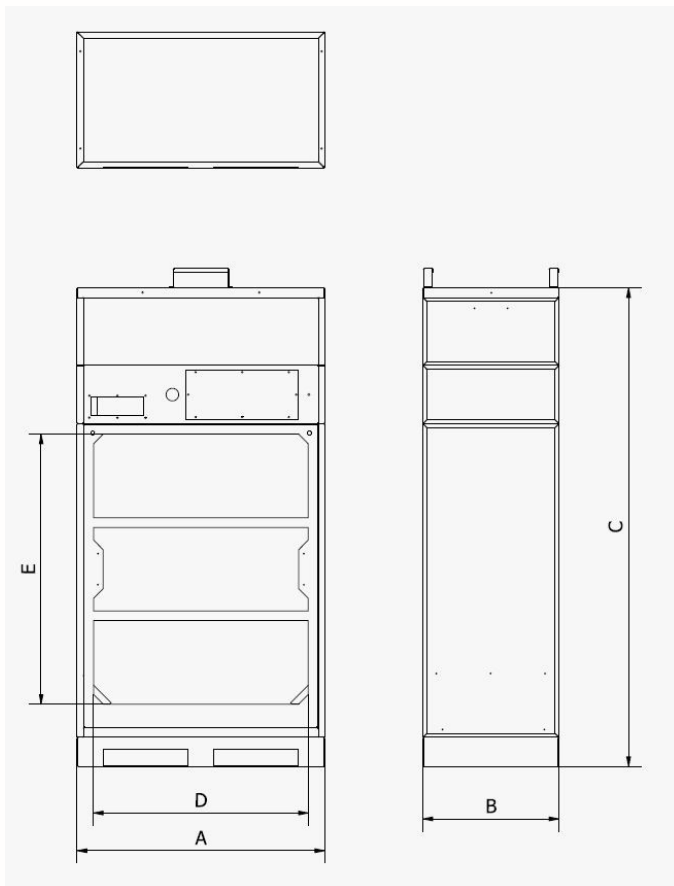
Model	Overall			Ventilated Area	
	Width	Depth	Height	Width	Height
V390-VS120618	1274	700	1760	1200	600
V390-VS121218	1274	700	1760	1200	1200
V390-VS180618	1874	700	1760	1800	600
V390-VS181218	1874	700	1760	1800	1200
V390-VS121224	1274	700	2465	1200	1200
V390-VS121824	1274	700	2465	1200	1800
V390-VS181224	1874	700	2465	1800	1200
V390-VS181824	1874	700	2465	1800	1800

Filter classification	Filters		Filter Classification	Filters	
	Pre	Final		Pre	Final
A—Non Sparking Dusts		G4	E—Low Volume Fumes	G4	Carbon (thin)
F—Fine Dusts	G4	F7	J—High Volume Fume	G4	Carbon (Deep)
B—Very Fine Dusts	G4	F9	R—Special Duty Fume	G4	Chemisorb
L—HEPA Filtered	G4	H13	C—Dust and Light Sparks	Spark	M6

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Available Sizes



Technical Specification

Power Supply.

240v/1ph—415v/3ph

option

Motor.

High efficiency EC Fan

Noise Level.

<70dBA at 1m

Material finish.

Textured grey powder coat.

Pulse Cleaning: In-built compressed –air powered. Manual purge.

Applications

Vertex VP for heavy duty applications where dust volumes overpower standard panel filters.

Model	Overall			Ventilated Area	
	Width A	Depth B	Height C	Width D	Height E
V390-VP121224	1274	700	2465	1200	1400
V390-VPL121224	1274	700	2735	1200	1400
V390-VP181224	1874	700	2465	1800	1400
V390-VPL181224	1874	700	2735	1800	1400

Filter Options

Filter Classification	Filters	
	Pre	Final
M—Stone Dust and similar		F7
N—Stone Dust and similar	F7	H13



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General

Power Supply.

415v/3ph

Motor.

Atex Rated—Forward curved

Noise Level.

<80dBA at 1m

Control: Optional ATEX related DOL starter

Material finish.

Textured grey powder coat.

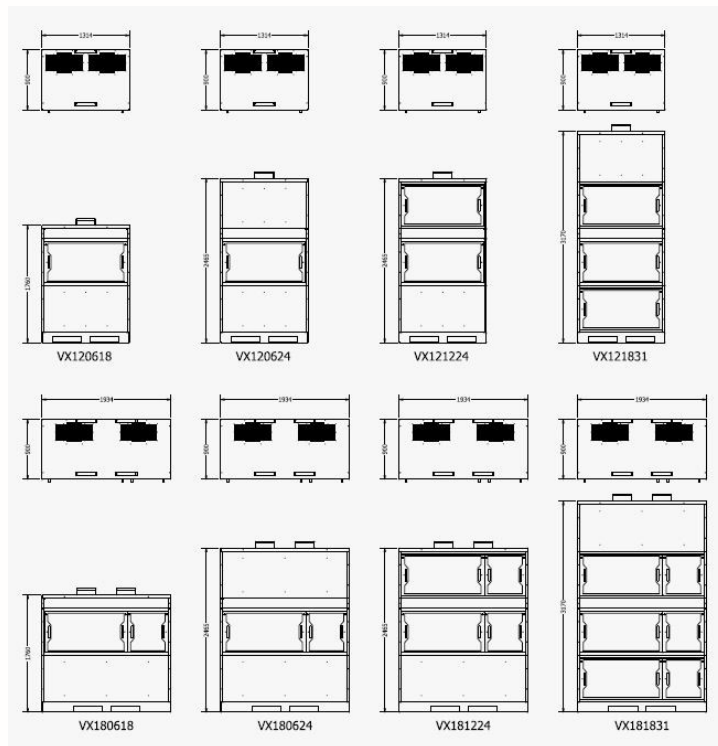
Applications

Vertex can be

configured for dust or fume applications.



Available Sizes



Model	Overall			Ventilated Area	
	Width	Depth	Height	Width	Height
V390-VX120618	1314	900	1760	1200	600
V390-VX120624	1314	900	2465	1200	600
V390-VX121224	1314	900	2465	1200	1200
V390-VX121831	1314	900	3170	1200	1800
V390-VX180618	1934	900	1760	1800	600
V390-VX180624	1934	900	2465	1800	600
V390-VX181224	1934	900	2465	1800	1200
V390-VX181831	1934	900	3170	1800	1800

Filter Classification	Filters	
	Pre	Final
X—Stone Dust and similar	G4	F9
Y—Stone Dust and similar	G4	H13

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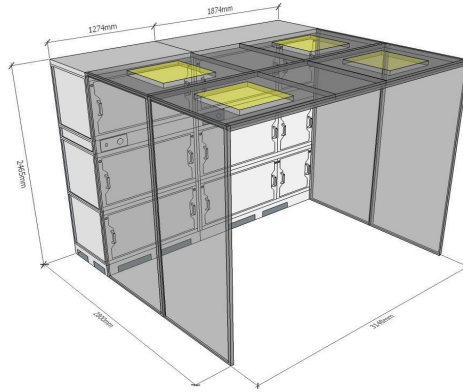
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Vertex Booth examples

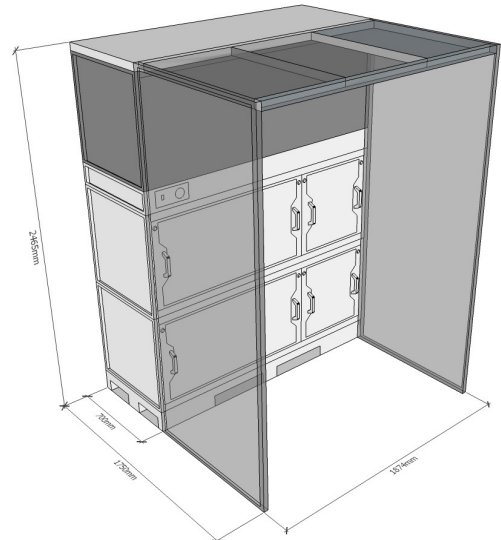
Vertex booth, eight modules in use.



Vertex booth with two deep canopy.



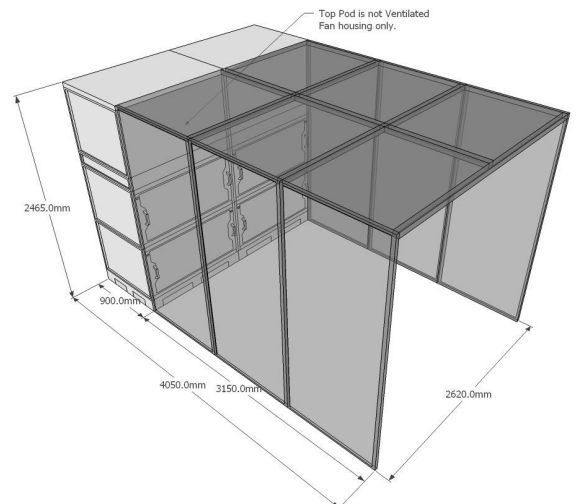
Vertex booth, two modules with top blanked off



Vertex Booth with one canopy.



Vertex Booth with three deep canopy.



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