

AER

Control Systems

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VCF Vertical Cartridge Filtration Collector

VCF Series Units

AER Control Systems' Vertical Cartridge Filtration (VCF) systems are designed to provide efficient, cost effective control of dry dusts, and fumes, generated from sanding, grinding, welding, and other processes. Typically utilized for control of moderate to heavy concentrations of dry contaminates, the VCF series collectors are provided with self-cleaning, pulse-jet filter cleaning to minimize maintenance and reduce replacement filter costs.

The VCF Unit can be configured a few different ways, as a Floor Mounted unit (shown), with a Hopper and Stand, or as a Portable Unit. It can also be ceiling supported.

The VCF Unit is a self-contained, ready to be powered, compact source capture collector to satisfy many industrial requirements.



FEATURES

- Direct drive non-overloading backward inclined blower and 1.5 HP (VCF-750), 3 HP (VCF-1500) TEFC
- **Low Noise level - BELOW 70 DBA**
- **Total Filter Area is 274 sq. ft. (1 cartridge VCF-1) and 548 sq. ft (2 cartridge VCF-2) - tool-less filter change.**
- Reverse air pulse cleaning with manual pushbutton on VCF-1 and automatic timer on VCF-2
- Pull out dust drawer
- 4, 6, or 8" inlet collar options on extension plenums (8" only on VCF-2)
- 2 inlet locations on VCF-1 and 4 inlet locations on VCF-2 for ease of installation
- Bubble gasket seal on access doors
- Baffled blower cabinet provides built-in sound attenuation
- Access panel for motor/blower and pulse tank section
- 14ga metal construction with a heavy duty textured powder coat finish
- Cartridge filter pressure gauge to indicate when to change filters
- Overall Unit Dimensions: VCF-1 - 24 x 25 x 73, VCF-2 - 37 x 25 x 85

Fan Performance Data		
	Airflow (CFM)	Fan Inlet Static Pressure (inches of Water)
VCF-1	950	5.5
	850	5.7
	750	5.9
VCF-2	1500	6.5
	1200	7.2
	1000	7.3



Sanding and Grinding Applications
EDM Machining / Graphite
Ceramic Manufacturers
Woodshops

Welding, Fabricating and Machine Shops

*for our horizontal, ambient or source-capture unit (HCF) visit our website

OPTIONS

- HEPA on the exhaust of the unit
- Hopper and stand
- Portable unit
- 5 gal, 30 gal, and 55 gal drums
- Specialty cartridges are available
- Other pulsing options available, including smart pulse timer, pulse on shut-down, delay timer, and photohelic gauge