



# AIRHAWK

CARTRIDGE DUST COLLECTORS



Welding



Sanding



Grinding

The Airhawk Series of Cartridge Dust Collectors from Diversitech features an innovative, modular design that effectively eliminates dust, smoke and other airborne contaminants from your work environment. Its durable, heavy-duty powder-coated steel construction can withstand continuous operation industrial applications.

The Airhawk's vertical filter design allows the powerful, reverse pulse cleaning system to separate dust from the filters while preventing dust re-entrainment with baffles below, resulting in a cost-effective filter system to operate and maintain. Each filter cartridge is pulse-cleaned individually with a powerful turbo-nozzle, which ensures the maximum amount of material is blown off each filter.

## Features:

- Vertical Cartridge filters (Dust is blown off the filter instead of accumulating on the top surface)
- Standard open-pleat Nanotech MERV 15 nanofiber filters
- Non re-entrainment baffles
- Automatic reverse pulse cartridge cleaning system
- Hopper and floor stand or low-profile dust drawer configurations
- Heavy Duty 10-gauge main frame construction with 12-gauge steel panels

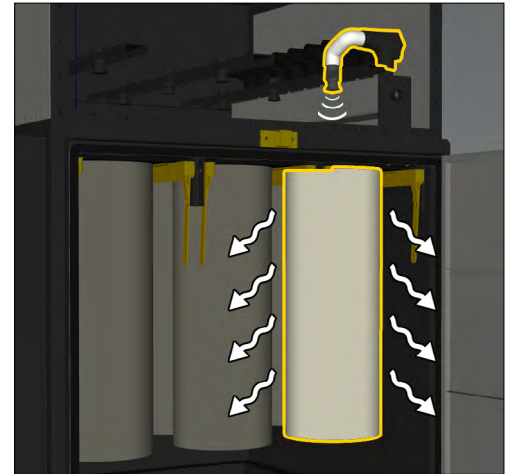
## Optional Accessories:

- HEPA afterfilter
- Silencer
- Dust drawer
- Spunbond polyester filters
- Abort and Blowback damper
- Explosion vent
- Spark Arrestor
- Catwalk platform and ladder
- Fire detection and suppression system
- Variable Frequency Drive



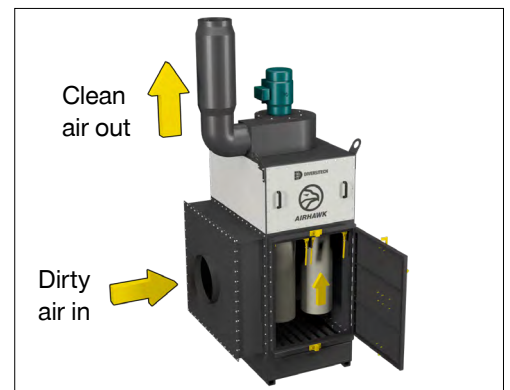
### Airhawk Advantages

- Modular for unlimited number of filters
- Continuous operation on line and off line reverse pulse
- Each filter is pulsed separately which reduces internal static pressure extending filter life and overall dust collector performance
- Shipped in modules to reduce freight costs
- Many different accessories available to meet NFPA and OSHA guidelines



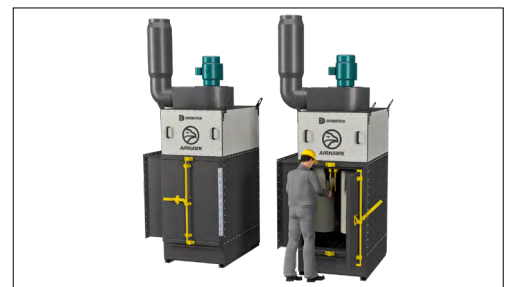
### Direct - A - Flow™ Inlet

- Inlet baffle separates larger dust particulates before they reach the filters by directing the dust into the hopper or drawer
- Prevents large particulates from directly impacting the filters



### Fast and Simple Filter Replacement

- Single access, no tools required
- Clamp bars provide easy filter clamping and sealing
- No doors nor knobs to be removed



### Fan Specifications

- Direct Drive/Backward Inclined blower wheel
- TEFC VFD compatible premium efficiency motor, saves energy



## Available Options

### Floor Stand & Hopper

- 54" clearance under hopper discharge flange
- Feet with bolt holes to anchor to a concrete pad



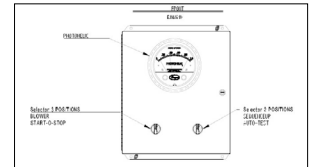
### Low Profile Dust Drawer

- Reduces height by 59" from drawer to the hopper
- For low dust loading applications



### Soft Start

- NEMA 12 enclosure, Magnetic SOFT START motor starter, Fuses, Thermal overload
- Step down transformer, Illuminated on/off buttons, Three position selector switch
- Integrated pulse sequencer controller board, Rotary disconnect, CSA approved



### HEPA Afterfilters

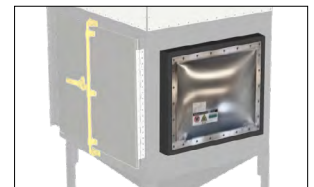
- MERV 17 efficient HEPA filter captures particles at the submicron level
- Provides the highest level of filtration efficiency 99.97% at 0.3 micron
- Hot-melt separator-style glass media pack
- Actual size: 24" x 24" x 11½"
- Maximum operating temperature: 175° F / 80° C



## Combustible Dust Accessories

### Explosion Vents

Domed rupture disks manufactured from 304SS, 11.6 sq. ft. (1.08 sq. meters) each. Standard vent area is suitable for Class ST1 dust with a Kst value below 200 bar\*m/sec. The standard vents are designed for ambient temperature conditions. The maximum operating pressure is negative 3 PSI. Consult the factory for operating conditions other than those stated.



### Blowback Damper Specifications:

- 12-gauge steel construction, flange bearings, cover type access door
- Inlet and outlet bolttable ring, installed on inlet
- Ensure no re-entrainment when the blower is off
- Ensure there is a seal if a fire occurs, stopping the smoke from returning to the shop via the ductwork



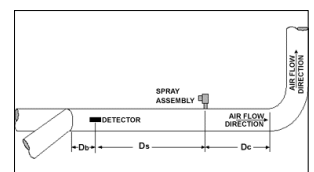
### Abort Damper Specifications:

- 12-gauge steel construction, electronically controlled hinged drop plate
- Used to divert & expel air back into the atmosphere as soon as there is detection of sparks or flames
- Installed on the return duct



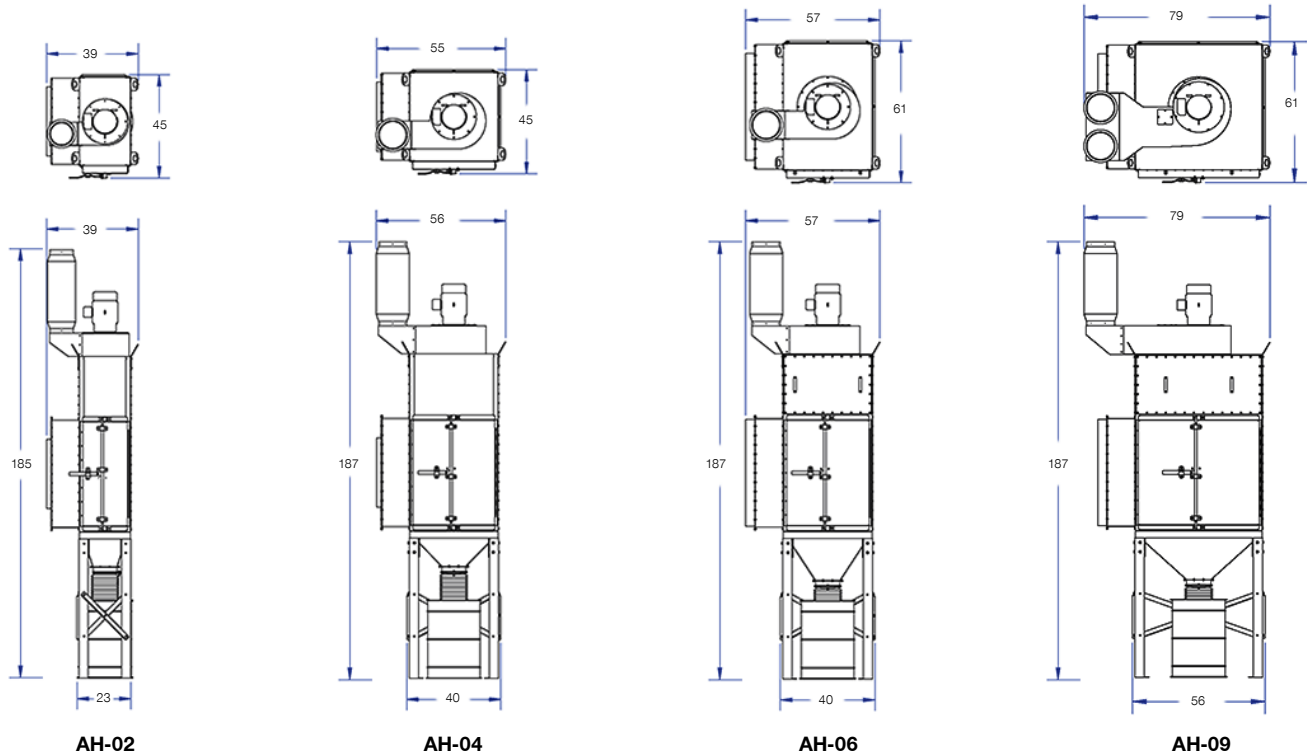
### Water-Based Fire Detection & Suppression System Specifications:

- Single Zone Control Panel, Dual High Sensitivity Infra-Red Spark Detector with flange mount
- Sense check self-test feature, spray assembly - solenoid controller water
- Spray assembly and strainer, supervised water shutoff valve
- 24 Volt DC Alarm Horn w/ 4.5 Amp backup batteries





## Dimensions



## Technical Specifications

Model	Nominal Airflow (CFM)	Motor		Cartridges / Filters		
		(H.P)	(p/hz)	Qty.	Area (SQFT)	Type
AH-02	1200	1.5	1/60	2	630	MERV 15 Nanofiber
	1800	3.0	3/60			
AH-04	3000	5.0	3/60	4	1280	MERV 15 Nanofiber
	4000	7.5	3/60			
AH-06	4000	7.5	3/60	6	1890	MERV 15 Nanofiber
	5000	10.0	3/60			
AH-09	6500	15.0	3/60	9	2835	MERV 15 Nanofiber
	> 6500	Call	Call			
<b>AH-Custom</b>				<b>IMPORTANT:</b> If your equipment was purchased after November 15, 2018, a Replacement Filter Card, featuring filter details and simple instructions to easily order replacement filters, will be located on the filter door.		

### HEAD OFFICE

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### DISTRIBUTION CENTERS

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