

Cartridge Dust Collectors

- Purge Filters during Blasting
- Expedite Filter Replacement



Manual Reverse Jet-Pulse Dust Purging can be performed with push-button ease while the air-blast system is operating. Minihelic gauge keeps operator informed about dust buildup on filtration surfaces. A fully automatic photohelic control is available as an option.

Vertical Cartridges are easy to replace, provide large filtration area and capture 99.999% of particles one-half micron or larger. In most cases, air can be recirculated to the workplace, reducing HVAC costs.

Sixteen-Gallon Waste Drum (supplied by Empire) provides extra capacity to minimize labor and downtime for dust disposal.

CDC Standard Specifications

	CDC-6	CDC-9	CDC-12
Blower Assembly	1½ hp	2 hp	5 hp
CFM/Static Pressure	600/6"	900/6"	1200/11"
Electricals*	230/60/1	230/60/1	460/60/3
Cleaning	Manual reverse jet pulse		
Filtration Area	452 ft ² through 2 cartridges		
Waste Drum Capacity	16 gallons		
Enclosure Size	35"x 40"x 116"		

* Other electricals available

Empire's Cartridge Dust Collectors (CDC) increase productivity in three ways.

For starters, they can operate continuously; the air-blast system does not have to be shut down while dust is removed from filtration surfaces.

Next, they simplify dust removal from filtration material. Push-button reverse jet-pulsing, a standard feature on all three CDC units, enables an operator viewing a minihelic gage—which monitors pressure drop across the filter—to purge dust while the air-blast system is operating. Alternatively, an optional photohelic upgrade moves dust from filtration surfaces to a collection drum automatically—at the right time and without operator involvement.

Finally, the collection cartridges, once worn, can be quickly and easily removed and replaced through a large access door.

Empire's Cartridge Dust Collectors extend operating cycles, maximize "up" time and reduce maintenance costs—all adding to higher profits.

For additional information about our Cartridge Dust Collectors, go to the next page, contact Empire or your local Empire distributor, and visit our web site at **www.empire-airblast.com**

Cartridge Collectors for High-Production Systems



Designed for dust collection with high-production equipment such as automated air-blast systems, these EM cartridge collectors increase air flow, provide more filtration area and clean filters automatically.

The filter-cleaning system features a photohelic gauge provided as standard equipment. This unit responds to high and low set points—measured in terms of pressure differential across the filtering material—to activate the jet-pulse cleaning process. Once the pressure limits have been set, these collectors essentially clean themselves.

Intake Area is specifically designed to extend life of interior components and surfaces exposed to abrasive media.

Horizontal Cartridges are easy to replace, provide large filtration area and capture 99.999% of particles one-half micron or larger.

Lid for Standard 55-gallon Waste Drum is supplied. Large drum capacity reduces labor and downtime for dust disposal. (Drum not supplied.)

EM Specifications

	EM2-2	EM2-4
Blower Assembly	5 or 7½ hp	7½, 10 or 15 hp
CFM	900 - 1,200	1,600 - 2,600
Static Pressure	6 - 18"	6 - 18"
Electricals*	460/60/3	460/60/3
Cleaning	Automatic reverse jet pulse	
Filtration Area	528 ft ²	1056 ft ²
Enclosure Size	40"x 65" x 150"	60"x 65" x 150"

* Other electricals available

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Empire Air-Blast Products

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**NEVER USE SILICA SAND IN ANY
EMPIRE EQUIPMENT**

Information subject to change without notice.

Empire Abrasive Equipment

2101 W. Cabot Boulevard, Langhorne, PA 19047-1893

Call: 215.752.8800 • Fax: 215.752.9373

Email: Airblast@empire-airblast.com • Search: www.empire-airblast.com