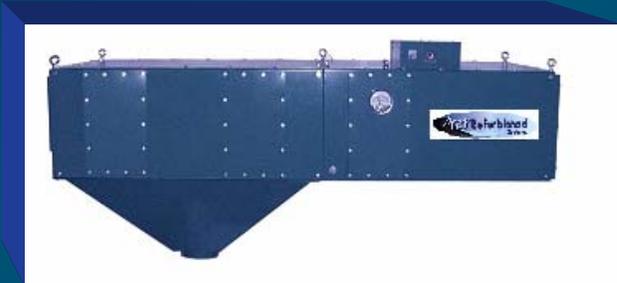


*Eliminate airborne contaminants  
with air filtration systems from  
**AER Refurbished  
Systems***



***CDF Series Collectors  
for  
Dust, Fume & Smoke***

#### CDF Series

**Contaminants:**

Primary:  
Dry Dust, Fume and Smoke

**Capture Approach:** Ambient or Source Capture

**Unit Mounting:** Horizontal, ceiling, wall or I beam hung

**Applications:**

Dry machining, grinding, sanding, deburring, laser cutting, plasma cutting, mixing, welding and a variety of other manufacturing and process applications that generate dry contaminants.

*CDF-30-05 with optional  
attenuator ducted to welding  
and grinding operations.*

**General Design, CDF Series Collectors:**

Designed specifically for dry applications, the CDF Series line of Cartridge Dust Fume collectors provide cost effective and efficient control of dry dust, fume and smoke contaminants as individual or as more complex combined forms. A number of design specific features are incorporated in these self-cleaning systems to provide system design flexibility and enhance system performance with reduced unit maintenance on dry applications.

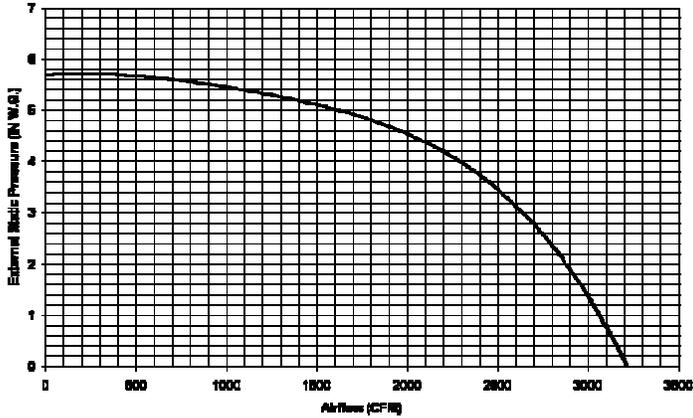
#### CDF Series Collectors

AER Refurbished Systems CDF Series Cartridge Dust Fume Collection systems are designed to provide efficient, cost effective control of dry dust, fume and smoke contaminants generated from a variety of manufacturing and process applications. The CDF series collection systems are provided with self-cleaning, timer controlled, high energy, pulse-jet filter cleaning to minimize system maintenance and reduce filter replacement and are typically utilized for control of moderate to heavy concentrations of dry contaminants. CDF series collectors are available in two configurations, un-ducted models for general, ambient air cleaning of the plant air and ducted point source capture systems for control of contaminants at the their source.

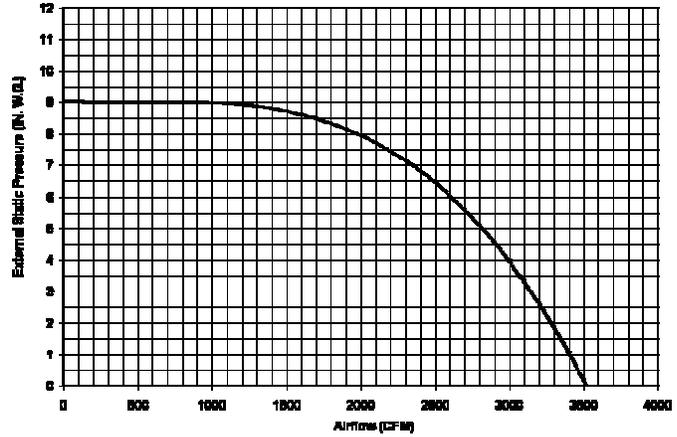
A variety of mounting and design options are available for this powerful, efficient collection system. Units are typically ceiling, wall or I beam mounted conserving valuable floor space. A broad range of filters are available to customize the filtration system for a wide range of contaminant characteristics and a full line of accessories and options are available to improve system performance and simplify the installation.

# Technical Product Data Sheet

CDF-30-03A & CDF-30-03D UNIT PERFORMANCE CURVE @ 60 Hz/3450 RPM



CDF-30-05D UNIT PERFORMANCE CURVE @ 60 Hz/3450 RPM



## Features and Benefits

### Overhead horizontal mounting

Overhead mounting saves valuable plant floor space and in many cases allows collector to be located closer to generating point for shorter, less costly duct runs.

### Plenum boxes or inlet collars (source capture systems)

For source capture systems inlet plenum boxes are available for vertical duct runs or for mounting mechanical collection arms directly on the collector. Inlet collars are available for horizontal duct runs.

### Large air inlet (ambient systems)

Large, 2.75 sq. ft. inlet improves contaminant capture on ambient systems.

### Hinged filter access doors

Hinged access doors with easy to use compression clamp provide quick, easy access to filters. Hinged doors prevent damage or injury from tripping over or falling removable covers.

### High energy pulse-jet cleaning system

Systems are provided with self-cleaning, timer controlled high energy, pulse-jet filter cleaning to minimize system maintenance and reduce filter replacement.

### Aerospace gaskets

Door seals are high quality, mechanically fastened, tube type, EPDM, triple seal aerospace gaskets to provided optimum sealing.

### Direct drive blowers

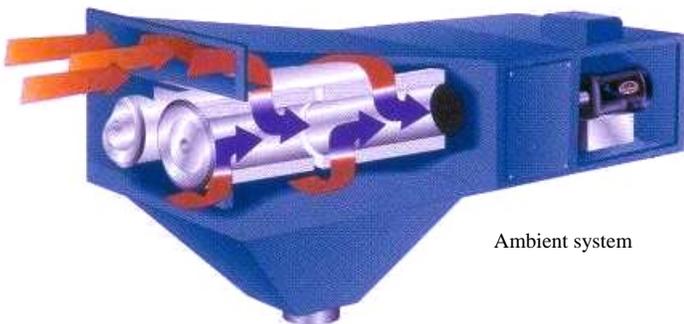
Standard 3 hp or 5 hp direct drive blowers (plug fans) utilize, backward curved fans and mating inlet cones and are designed to provide efficient, quiet, fan performance while meeting the specific systems airflow and pressure requirements. Custom blower packages designed to meet special, airflow, pressure or location requirements are available upon request.

### Magnehelic gage

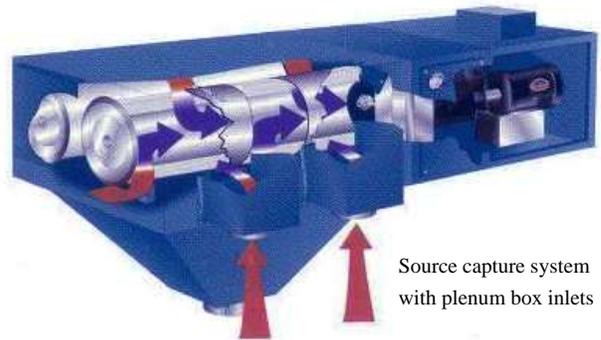
Standard units include a Magnehelic gage with a range of 0 to 10" W.G. for monitoring filter life and determining when filter replacement or cleaning is required.

### Cartridge filters

Standard units are equipped with high quality, industrial grade, fire retardant, blended media cartridges with 960 sq. ft. of total filter area and provide 99.9% efficiency on most applications. A large variety of special cartridges are available for unique system or application requirements.



Ambient system



Source capture system with plenum box inlets

Model / Unit	Filter Area, Std Unit	Motor	Weight (lbs.)	Approximate Dim.
CDF-30-03A / Ambient	960 square feet	3 HP	494	100" x 37" x 53"
CDF-30-03D / Ducted	960 square feet	3 HP	496	100" x 37" x 44"
CDF-30-05D / Ducted	960 square feet	5 HP	510	100" x 37" x 44"

### Additional Options:

- ❖ Drum kit with drum, cover, locking ring, hose and clamps
- ❖ Delay pulse timer kit, for longer delay intervals between pulsing
- ❖ Photohelic smart pulse kit, pulse cleans filters when required
- ❖ Plenum box, for mechanical arms or vertical duct runs
- ❖ Inlet collars, for horizontal duct runs
- ❖ Attenuator / silencer for reduced exhaust noise levels
- ❖ 575 Volt and other special motors available
- ❖ Custom units, special filter configurations & OEM units available

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**"We sell the best and service the rest"**