



*Cleaning Air for Industry*



## Industry Applications

STEEL AND METAL PRODUCTION

IRON FOUNDRIES

CEMENT AND ROCK PRODUCTS

COAL HANDLING

WOODWORKING

GLASS MANUFACTURING

INDUSTRIAL BOILERS

METAL AND PLASTIC RECYCLING

BRICK AND TILE PRODUCTION

CHEMICAL PROCESSING

GRAIN HANDLING

FOOD PROCESSING

PHARMACEUTICALS

### Cleaning Air for Industry

CECOaire is one of the nation's leading manufacturers of air pollution control and dust collector systems. We offer various styles of dust collector systems for a wide range of applications and industries. State-of-the-art designs allow our company to address all of your dust control problems. We have the capability of offering design, fabrication, installation and start-up services for all our collector systems.

Your CECOaire advantages are:

- Custom designs/sizes
- Turnkey systems
- Existing dust collector upgrades
- Complete conversion services
- CECO Environmental experience and reputation since 1907

Take a look at our proven product line.



### Fabric Dust Collectors

CECOaire offers one of the most advanced fabric filter dust collectors of its type. This system optimizes sizing, component selection and low pressure drop for greater energy savings. The dust laden airstream enters the housing through a baffled inlet. The actual position and style are designed depending on the type and concentration of dust. The baffle will cause the heavier particles to fall into the hopper while the lighter particles are evenly distributed through the collector. As the air passes through the filter bags, the dust is collected on the outside. The clean air travels up through the inside of the bags to the clean air plenum before exiting the collector.

Removal of dust from the hopper is achieved by using any of the following systems: Rotary valve. Double dump valve. Slide gate. Screw conveyor system. Barrel top adaptor and 55 gal drum.

The CECOaire Fabric Dust Collectors offer the following systems to remove dust periodically from the filter bags:

- Pulse Jet
- Reverse Air
- Shaker

Features include: Removal efficiency > 99%. Top access or walk-in upper plenum. Simple installation and removal of filter bags. Fabric materials individually selected for each application.

## Cartridge Dust Collectors Series HC and VC

The CECOaire Series HC and VC dust collectors are fully-automated pulse-jet cleaned pleated-cartridge filters designed to handle difficult applications in a wide variety of industries. The Series HC design incorporates horizontally mounted filter cartridges and the Series VC design incorporates vertically mounted filter cartridges.

Air enters the dust collector through a flanged inlet on the top side and an interior baffle distributes the air evenly to the filter cartridges.

Clean air exits the collector through the bottom rear of the housing. The dust is dislodged periodically from the filters by pulses

of compressed air allowing it to settle into the hopper.

The Series VC dust collectors with vertical filter pleats allows for easier removal of some dusts. Removal and installation of the filter cartridges is done from the outside of the collector housing. Maintenance personnel do not require special tools and do not need to enter the collector housing.

CECOaire advantages include:

- Multiple units can be combined
- Simple installation or removal of cartridge filters
- Optional high efficiency HEPA after filters
- Optional washable filters

## Downdraft Benches Series DDPC

The Series DDPC Downdraft Benches are designed to capture smoke and dust generated by welding, grinding, polishing, soldering and many other industrial operations. The downdraft action of the bench keeps the smoke and dust contained and thus prevents them from entering the plant ventilation system.



Air is drawn downward into the bench using an internal fan. The bottom of the bench is a drop-out chamber for the heavy particles. The lighter particles are removed from the airstream by high efficiency cartridge filters. These filters are cleaned using pulses of compressed air periodically. The dislodged dust falls into the bottom of the bench where it is easily removed through access doors.

The end user needs to supply only compressed air (90-100 psi) and electrical power for the factory installed clean cycle controls and blower. The bench is shipped factory assembled and ready for installation.

Series DDPC features include:

- 99.9% removal of particles > 1 micron
- Easily cleaned pulse jet cartridge filters
- Shipped assembled ready for installation
- Optional higher efficiency HEPA after filters
- Optional washable filters

## Replacement Parts/Accessories

BAGS

CAGES

PULSE VALVES

PILOT VALVES

TIMERS

PRESSURE GAUGES

PRECOAT

ROTARY AIR LOCKS

SCREW CONVEYORS

AIR SLIDES

FANS

DUCTING

AFTER FILTERS

PLEATED FILTER ELEMENTS

EXPLOSION VENTING

SLIDE GATES

DAMPERS

PLC'S

LEAK TEST POWDER

BROKEN BAG DETECTORS

CARTRIDGE FILTERS

Contact us at

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for all your parts and  
accessories needs.



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## Technology and Service

**The latest state-of-the-art pollution control technology – and fast, comprehensive technical support and service. Both are just a quick phone call or e-mail away. CECO has production facilities and full-service centers across the map. There's a CECO facility near you, ready to meet your every clean-air need.**

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