



C.P. Environmental Filters, Inc.

***The Clear Choice For  
Single Source Dust Control.***

For More Information Contact Air Process Systems & Conveyors Co., Inc. at 630.887.0700 or 800.822.0771

# Dust Control You Can Rely On.

Like so many major companies worldwide have discovered, our dust and pollution control solutions work...right from the start, and they keep on working. Why? Our products and systems are designed, manufactured, installed and serviced as part of a close working relationship — a partnership — that we have with all our customers. Additionally, we've provided quick, accurate response and quality products **since 1972**, so you know we have the commitment and the experience to stand behind what we **design and build**. And we do design and build; with all of our collectors coming from our own, quality controlled manufacturing facilities. We have design/application experience, **field proven success** in a wide range of collector sizes and types and the flexibility to customize a solution to fit your exact requirements and space limitations. Our designs have always been efficient and technically sound, with no corner-cutting, so once in service our collectors maintain optimum performance levels. Rely on C.P. Environmental Filters, Inc., for maximum collection uptime, efficiency, and dependability.



C.P. Environmental Filters, Inc. offers a full range of equipment and services for the containment and collection of nuisance dust, fume and the capture of dry particulate product from a variety of manufacturing processes.

Since 1972, we have provided

- Dust collection equipment
- Systems and system evaluations
- Engineering/design services
- Replacements parts
- Baghouse maintenance and inspection on all makes and models.

# Dust Collection Solutions Designed And Built To Meet Your Demands



## PULSE-CLEANING COLLECTORS

Both **top and bottom entry** configurations for maximum bag installation/removal convenience, depending on application. Our standard product is designed for +/- 20" W.G. Filter receiver units are typically supplied in pressures up to +/- 17" Hg., but we frequently supply ASME Code vessels for any desired pressure rating. Additionally, collectors can be supplied to meet 3A Dairy and FDA requirements. And, special construction materials can be used to meet your specifications including carbon steel, stainless steel, aluminum, Inconel, Hastelloy and other special alloys.

## SHAKE-CLEANING BAGHOUSES

If compressed air is not available for bag cleaning or in situations where only **intermittent bag cleaning** is required, we provide shake-cleaning baghouses. This type of system is widely used in the foundry, steel mill, mining, power generation and smelting industries. Continuous cleaning can be obtained by compartmentalizing the collector and allowing one compartment at a time to be taken out of service for cleaning while the others continue to function.

## CYCLONE COLLECTORS

Generally employed as precleaners for other gas cleaning devices, our cyclone collectors are also largely used in **product recovery** applications such as pneumatic conveying systems, size reduction systems and product recirculation.

## BAG DUMP STATIONS

With integral dust containment systems, our bag dump stations are most frequently used as **dry material processors** to introduce product constituents into the manufacturing process.

## FILTRATION SYSTEMS

When **extremely high particulate removal efficiencies** are required, for example, when filtered air has to be returned to the workplace or when the dusts involved present a potential health hazard, our **HEPA filtration systems** provide maximum air cleaning. All our dust collection units can also incorporate a full range of bag or cartridge media including CPEF™ spun bonded polyester.



We offer solutions that include rugged, durably built pulse-cleaning collectors, shake-cleaning baghouses, cyclone collectors, bag dump stations, collector conversions, HEPA filtration systems, auxiliary components, material handling equipment, structural support legs, access packages, ductwork, rotary airlocks, screw conveyors and much more, for the following industries:

- Chemical Plants
- Cement Production
- Food Processing
- Original Equipment Manufacturing
- Resource Recovery
- Mineral Processing
- Coal Processing
- Power Generation
- Steel Mills
- Foundries
- Building Product Production
- Wood Product Production
- Consumer Goods Production
- Solid Waste Incineration
- Paper Processing
- Non-Ferrous Metal Processing
- Plastics Production
- Welding Operations



*Our 25 plus years of experience as an industry leader, attention to detail, full site assessments, maintenance-friendly designs, quality manufacturing, expert installation and ongoing service capabilities make us the clear choice for a complete dust control system.*

# ***TOTAL SYSTEM SOLUTIONS.***

## **Site assessments**

Our extensive application knowledge and experience as an industry leader for over 25 years, allows us to make accurate site assessments. It is at this point in our interface with customers that we determine your specific needs. Whether you are dealing with heavy dusts, light and stringy materials, or submicron particles, we'll determine proper air-to-cloth ratios, the right filter media and can velocities required to efficiently collect and retrieve your product or dust while meeting today's stringent environmental air pollution requirements.

## **Turn-key systems**

The demands of air pollution control and material handling are tough and getting tougher, that's why it makes so much sense to rely on our innovative, high quality, maintenance-friendly system solutions. We will engineer, manufacture, install and service the optimum collection system for your needs. With attention to detail unmatched in the industry, rugged structural integrity and a focus on easy, accessible maintenance, we will provide you with the most efficient and effective system possible.

## **Performance evaluations**

To verify the performance of your equipment and ensure a balanced system that runs at optimum efficiency, we provide stringent performance evaluations that include 20-point inspections, mechanical integrity testing, lab analysis of filter media, blacklight tests with fluorescent dyes, and the installation of broken bag detection systems. The total system approach from C.P. Environmental Filters, Inc. helps ensure maximum and consistent performance from your dust collection system.

**REPLACEMENT PARTS FOR ALL  
MAJOR MANUFACTURERS**

- Filter bags in all fabrics
- Cartridge filters
- Cages
- Diaphragm/Solenoid valves
- Replacement kits
- Solid-state timers
- Broken bag detectors
- Leak-seeker powder
- Black lights
- Pulse-on-demand controls
- Sonic horns
- Gasketing
- Clamps
- Spring assemblies
- Tensioning tools
- Vibratory equipment
- NEMA 4-7-9 enclosures
- Tubesheets/doors
- Shaker assemblies
- Level detecting equipment



## ***Make Sure Your System Operates At Peak Efficiency With Our Complete Maintenance Services And Parts Inventory.***



### **Consultation Services**

Stop spending too much time and money on baghouse maintenance. We can expertly inspect your operation, gather all data relevant to your situation and provide an appraisal and solution based on our years of experience. We can do bag testing, failure and projected filter life analysis on your existing system.

### **Complete Changeout Services**

Make sure your next bag changeout is done in a prompt, efficient manner with a minimum of downtime and a maximum of improved performance. We will do a complete, professional changeout for you, paying careful attention to correct installation, and proper tensioning for longer bag life and more effective filter performance. **We guarantee it!**

### **Preventive Dust Collector Maintenance And Rebuilding**

With our periodic preventive maintenance program we can ensure continuous service and prevent unnecessary downtime. Our visits will include bag inspection and replacement, general maintenance inspection and replacement of component parts including fans, airlocks and other ancillary equipment. We can also convert your present baghouse to one with improved technology, higher capacity and increased efficiency. All work is performed by experienced C.P. Environmental Filters, Inc. crews with EPA/OSHA training and certifications.

*We are proud to serve a growing list of major companies:*

**ABB/Air Preheater•Abbott Laboratories•Alabama Power•Albion Kaolin•ALCOA•Almix/Asphalt Equipment•Archer-Daniels-Midland•Asphalt Drum Mixers•BASF•Bradley Pulverizer•Bulkmatic Transport•Cabot•Charter Steel•Chemical Lime•Cheney Lime •Ciba-Geigy•Clorox•Corning•Crosfield Catalyst•DAP•Dean Foods•Degussa•Dial•Dow Chemical•Eastman Chemical•E.I. DuPont•Engelhard•Eureka Foundry•Eveready Battery•Exxon•Falco Lime•FMC Wyoming•Ford Motor•Ford Nashville Glass•Foster Wheeler•Georgia Pacific•G.E. Plastics•Glen & Wright•Good Humor-Breyer•Great Lakes Chemical•Hershey Chocolate•Hoescht Celanese•Holnam•Horsehead Resource Development•Indiana Aluminum Processors•Inland Steel•Kellogg•Kerr McGee•K-T Clay•LaFarge•Libbey Owens Ford•LTV Steel•M & M/Mars•Monsanto Agricultural•Neenah Foundry•Niro•Olin Chemical•Owens Corning Fiberglas•Owens-Illinois•Pillsbury•Quaker Oats•Ralston Foods•Raytheon Engineers & Contractors•Reynolds Metals•Royal Chemical•St. Marys Cement•SCM Chemicals•Sweetheart Cup•Tennessee Eastman•Tennessee Luttrell•Texaco•Tyson Foods•U.O.P.•Union Tank Car•UNOCAL•U.S. Borax•U.S. Gypsum•U.S. Steel•Wm. Wrigley Jr.•World's Finest Chocolate•3M**

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