

*Integrated Clean Air Solutions*



*Reverse-Air Dust Collection Systems*

High Capacity • High Performance • High Volume • Up to 1,000,000 ACFM And Higher



CECOaire

Your Single Source For

- High Capacity
- High Performance
- High Volume

Reverse-Air Dust Collection Systems



When we say "turn-key," we mean "turn-key."

From hood to clean-air outlets – and every contaminate-control stop along the way – CECOaire does it all. And that's a statement few other firms in our industry can make.

Single-source responsibility. Single-source efficiencies. Single-source savings. That's what you get with CECOaire. No lists of subs to schedule in. No middle men between you and your system's performance. That means on-schedule, on-performance spec and on-budget project completion.

It all starts with engineering, cost control and cost containment.

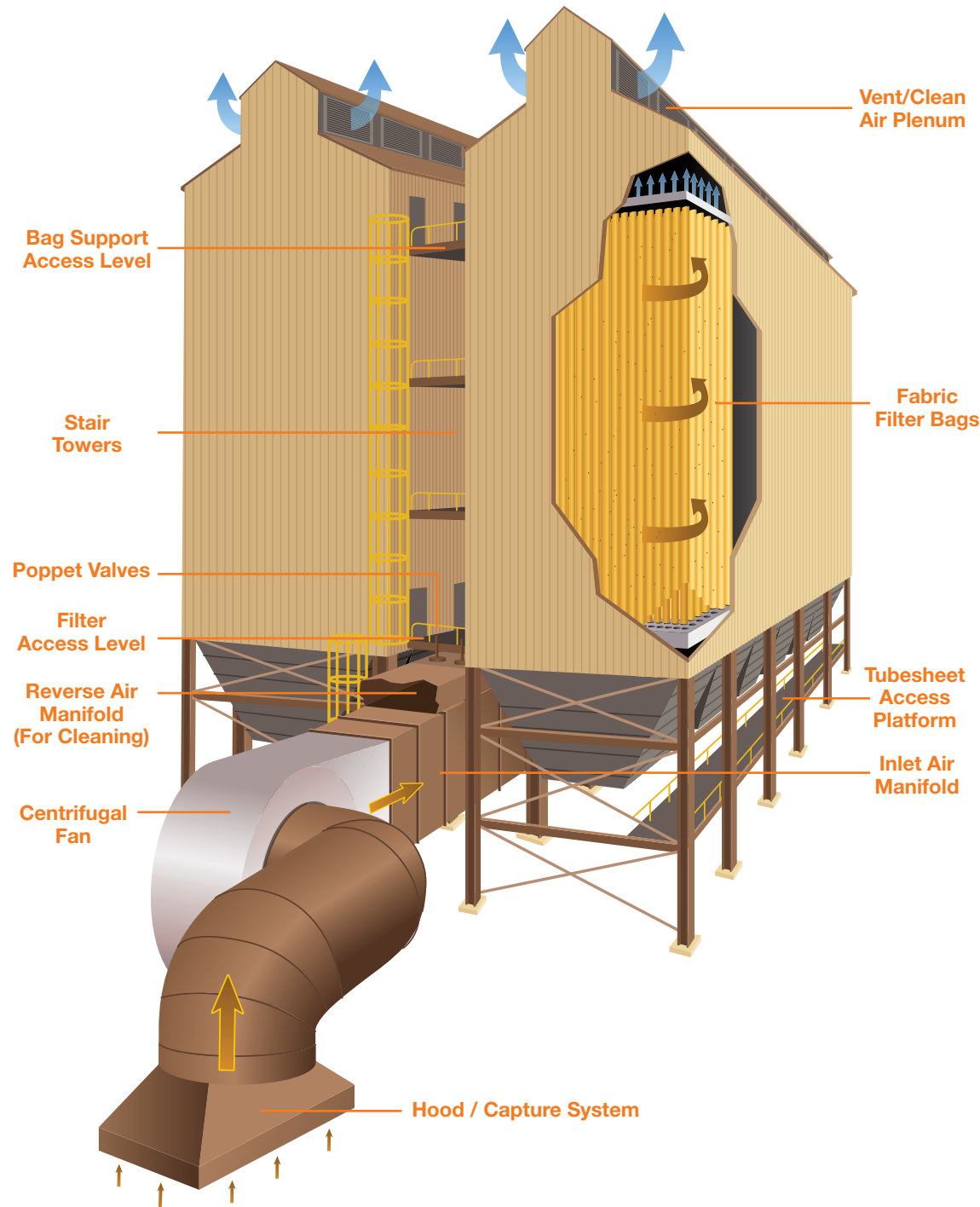
We can design and build to the most demanding specifications. Or we can size and design to your precise needs – maximizing your process and facility's production efficiency – and maximizing your safety and environmental efficiency .

- We study potential process efficiencies and cost savings.
- We calculate minimum system operating costs.
- We then incorporate energy management and operating cost reduction systems to serve you well into the future.

We study, analyze, design and engineer to your custom needs and maximum economies – for today and tomorrow.

Positive Pressure Reverse-Air Process

CECOaire structural baghouses utilize the reverse-air cleaning process. Pollutant flow is directed into the baghouse and passed through the bags from the inside. Filter bags are suspended from the top to maintain proper bag tension and fastened to the tubesheet at the bottom. Dust collects on the inside of the bags. Compartmentalization within the baghouse allows for continuous operation of the system. When a cleaning cycle begins, the dirty air inlet damper of the compartment to be cleaned is closed, stopping dirty air flow into the compartment. At the same time, the compartment's reverse air damper opens and air flow is reversed through the filter bags, thereby partially collapsing the bags and causing the dust cake inside the bags to break off and fall into the hopper below. At the end of the clean cycle, the reverse damper closes and the dirty air inlet damper reopens, placing the compartment back into the collection mode.



From source to stack, an integrated, custom pollution-control system.

From there, CECOaire can provide custom ductwork, plant and process ventilation, all electrical work, iron work, component fabrication, construction scheduling and documentation start-up and testing.

We deliver a finished dust control system – and hand you the keys – guaranteeing its exacting performance.

The bigger, the better.

We have designed, engineered, manufactured and installed some of the highest capacity dust control systems for some of America's heaviest, most demanding industries. 1,000,000 CFM, 2,000,000 CFM and higher capacities are no problem. Tight schedules are no problem. We would be proud to provide our references. We call ourselves "The Baghouse Specialists." Others have referred to us as "The Big Baghouse Specialists."

Compliance is never a problem.

CECOaire is a member of the CECO Environmental family of companies offering all the pollution-control specialties, technology, testing, service and support to assure your compliance with the most rigidly enforced national, regional and industry requirements – and assure your immediate compliance with any new or updated regulations.



CECOaire

**CECOaire**  
822 South 15th Street  
Louisville, KY 40210  
Phone: 502.572.4000  
Fax: 502.572.4024  
info@cecoaire.com  
www.cecoaire.com

## 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.**

**Kirk & Blum**  
Cincinnati, OH  
3120 Forrer Street  
Cincinnati, OH 45209  
Phone: 513.458.2600  
Fax: 513.351.5475  
Toll Free: 800.333.5475  
kirkblum@cecoenviro.com  
www.kirkblum.com

- Canton, MS
- Columbia, TN
- Defiance, OH
- Greensboro, NC
- Indianapolis, IN
- Lexington, KY
- Louisville, KY

**Busch International**  
10431 Perry Highway  
Wexford, PA 15090  
Phone: 724.940.2326  
Fax: 724.940.4140  
busch@cecoenviro.com  
www.busch-co.com

**CECO Abatement**  
5201 Walnut Avenue,  
Suite 1  
Downers Grove, IL 60515  
Phone: 630.493.0624  
Fax: 630.493.1837  
cecoabatement@cecoenviro.com  
www.cecoenviro.com

**CECO Energy  
Management Team**  
3131 Disney Street  
Cincinnati, Oh 45209  
Phone: 513.458.2677  
Fax: 513.458.2622  
cemt@cecoenviro.com  
www.cecoenviro.com

**CECO Environmental Mexico**  
S. De R.L. De C.V.  
Humberto Lobo #9442  
Parque Industrial Mitras  
Garcia, N. L. C.P. 66000 Mexico  
Phone: 011.52.81.8381.0792  
jvillarreal@cecoenviro.com  
www.cecoenviro.com

**CECO Filters**  
1029 Conshohocken Road  
Conshohocken, PA 19428-0683  
Phone: 610.825.8585  
Fax: 610.825.3108  
Toll Free: 800.220.8021  
cecofilters@cecoenviro.com  
www.cecoenviro.com

**EFFOX**  
9759 Inter Ocean Drive  
Cincinnati, Oh 45246  
Phone: 513.874.8915  
Fax: 513.874.1343  
sales@effox.com  
www.effox.com

**Fisher-Klosterman**  
P.O. Box 11190  
822 South 15th Street (40210)  
Louisville, KY 40251-0190  
Phone: 502.572.4000  
Fax: 502.572.4025  
fki@fkinc.com  
www.fkinc.com

**Buell Division**  
Phone: 717.274.7104

**Fisher-Klosterman-Buell  
Shanghai**  
Phone: 011.86.21.50673100

**GMD Environmental**  
P.O. Box 11375  
305 West Arlington Avenue  
Fort Worth, TX 76110  
Phone: 817.926.9294  
Fax: 817.923.0035  
Toll Free: 800.725.2463  
eng@gmdenv.com  
www.gmdenv.com

**H.M. White**  
12855 Burt Road  
Detroit, MI 48223  
Phone: 313.531.8477  
Fax: 313.531.0522  
info@hmwhite.com  
www.hmwhite.com

**K&B Duct**  
8735 West Market Street  
Greensboro, NC 27409  
Phone: 336.668.3773  
Toll Free: 866.KNB-DUCT  
(866/562-3828)  
Fax: 336.668.0043  
info@kbduct.com  
www.kbduct.com

3120 Forrer Street  
Cincinnati, OH 45209  
Toll Free: 800.333-KIRK  
(800.333.5475)  
kb-parts@kirkblum.com

Clearfield, UT  
Phone: 801.728.6533

**KBD Technic, Inc.**  
3131 Disney Street  
Cincinnati, OH 45209  
Phone: 513.351.6200  
Fax: 513.351.4071  
kbdtechnic@cecoenviro.com  
www.kbd-technic.com

**CECO Environmental Corp.**  
3120 Forrer Street  
Cincinnati, OH 45209  
Phone: 513.458.2600  
Fax: 513.458.2647  
Toll Free: 800.333.5475  
cecoenviro@cecoenviro.com  
www.cecoenviro.com  
NASDAQ: CECE



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