C&W • DustTech
CLEAN AIR TECHNOLOGIES

DUST SETTLES. WE DON'T.™

Silo Dust Collectors That Set the Performance Standard

Most Popular Options:

- Silo Anti-Overfill System
- Pressure Relief Valves and Bin Indicators

Are you seeking a compact, efficient dust collection solution for your rugged application? Look no further than C&W DustTech's Silo Dust Collection Systems. Designed with pulse jet or mechanical shaking technologies, our Silo Collectors are custom engineered to outperform in industries such as Ready-Mix Concrete, Cement Production, Mining and Minerals, and more.

Whether your application requires a Low-Profile Round (LPR), Cartridge Pulse (CP) or a Shaker (SK) collector, our team of experts is committed to specifying the most effective Silo Dust Collector for your operational needs.

Silo Dust Collector Features and Benefits

- **Easy to Maintain:** Toolless exchange of filter media – top entry (CP and LPR) or side entry (SK) for clean side filter exchange.
- **Filtration Efficiency:** 99.99% filtration efficiency. *
- **Reliable, Easy to Operate:** Solid state adjustable timer with LED display or a gentle, reliable mechanical shaker (SK-Series only).
- **Long Lasting, Durable:** 12-gauge, heavy duty steel construction.

At Standard Test Conditions



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Low Profile Round (LPR-Series)

C&W's Low Profile Round (LPR) Silo Dust Collectors deliver a compact footprint, coupled with user-friendly pulse jet technology and cartridge filters to provide a durable dust collection solution. The LPR-Series features a low-profile design and pop in-out filter media exchange that requires no tools and eliminates the need to remove blow pipes.

The LPR can also expand to higher capacities without having to replace the entire unit, housing anywhere from four to eight cartridges. Consider optimizing your unit with a flow switch, one of our most popular add-ons, to help detect the flow of air through the silo and automatically trigger the cleaning cycle on and off.



Additional Features and Benefits

- **Efficiency:** 99.99% filtration efficiency with vertical, wide-pleat cartridges.
- **User Friendly:** Pop in-out filter media exchange with no tools or need to remove blow pipes.

Available Options

- Automatic On/Off Flow Switch
- Minihelic Gauge
- Special Adaptable Mounting Flange
- Air Tank Auto-Drain

Cartridge Pulse (CP-Series)

Built to control various levels of fugitive dust, our Cartridge Pulse Silo Dust Collector ensures cleaner work environments for maximum productivity. This traditional collector leverages our highly efficient and effective pulse jet cleaning technology to capture and manage a range of particulates to be re-introduced back into the process, or disposed. Built to withstand the most rugged environments, these units include an inlet air regulator and moisture separator, and test ports to monitor filter media to ensure ongoing performance.

Our weigh batcher collectors (CP-35, CP-70, CP-88) seamlessly integrate into your Ready-Mix Concrete or Cement Production operation. These collectors effectively capture dust, release clean air back into the environment and return materials directly to the weigh batcher.

Additional Features and Benefits

- **Efficiency:** 99.99% filtration efficiency with vertical, wide-pleat cartridges.
- **Performance:** Inlet air regulator and moisture separator.



Available Options

- Pressure Switch for Automatic Cleaning
- Minihelic Gauge
- Custom Designs and Sizes
- Special Mounting Flange for Adapting to Existing Flange
- Blower Packages, Standard or Custom-Build
- Special Filter Media

Shaker Silo (SK-Series)

The Shaker Series Silo Collector is specifically designed to operate without compressed air, making it the ideal solution for sub-zero temperatures. Not susceptible to freezing in cold weather or moist applications, the collector is equipped with a ¼ horse power 115v motorized shaker cleaning system. The mechanical shaker provides a thorough cleaning of the filter media to provide customers with a high-performing, durable and user-friendly dust control solution.

Additional Features and Benefits

- **Efficiency:** 99.99% filtration efficiency and polyester filter media.
- **Greater Temperature Range:** Will not freeze in sub-zero weather.
- **Performance:** Handles up to 1200 CFM.

Available Options

- **Silo Mounting Flange:** Available in 6" & 12" heights, or an angle flange for sloped silos.
- **Blower Package:** 2 or 3 HP blowers offering 850-1200 CFM.
- **Automatic Controls:** Timer controlled automatic off.



Additional Services & Support

We support our customers with a range of specialized services to deliver a solution that exceeds expectations, including:

- Customized Layouts
- Startup, Maintenance and Training
- Professional Consultation
- Ongoing Aftermarket Part Support
- Air Permit Calculations
- Airflow Design Engineering and Performance Software

Need a Full Silo Dust Collection System?

Depending on your operation, needs and regulatory environment, utilizing a complete dust collection system can help you maximize production efficiencies. Our systems include:

- Ducting
- Dust Collector
- Cleaning System
- Recycle Systems
- Additional accessories include: hoods, shrouds, slump masters, anti-overfill systems, etc.

Contact us at sales@cwdusttech.com to learn about our customized dust collection system options and package offerings.

LPR-Series

	LPR-4-S	LPR-6-S	LPR-8-S
Total Filtration Area (Sq. Ft.)	210	315	420
Number of Cartridges	4	6	8
Cartridge Size	8" X 39	8" X 39	8" X 39
Air To Cloth Ratio	5.57	5.57	5.57
Overall Height (Includes Mounting Flange)	72"	72"	72"
Flange Diameter	44" o.d	44" o.d	44" o.d
Approx. Weight (Lbs.)	670	695	720
Compressed Air Required (CFM)	3	3	3
Max CFM Recommended*	1,170	1,760	2,340
Min. Design Efficiency**	99.99%	99.99%	99.99%
Cleaning Mechanism	Pulse Jet	Pulse Jet	Pulse Jet
**CFM shown for typical application – unique application may change CFM*			
**At standard test conditions*			

CP-Series

	CP-35	CP-70	CP-88	CP-1335S	CP-2000S	CP-2665S	CP-3335S
Total Filtration Area (Sq. Ft.)	45	90	90	210	315	420	525
Number Of Cartridges	2	4	4	4	6	8	10
Air To Cloth Ratio	4.78	4.78	4.78	6.36	6.35	6.35	6.35
Cartridge Size	8" x 19"	8" x 19"	8" x 19"	8" x 39"	8" x 39"	8" x 39"	8" x 39"
Static Pressure Drop	6" W.C	6" W.C	6" W.C	6" W.C	6" W.C	6" W.C	6" W.C
Compressed Air Req. (CFM)	2	2	2	2	2	3	4
CFM Recommended	216	432	432	1335	2000	2665	3335
Min. Design Efficiency*	99.99%	99.99%	99.99%	99.99%	99.99%	99.99%	99.99%
Cleaning Mechanism	Pulse Jet	Pulse Jet	Pulse Jet	Pulse Jet	Pulse Jet	Pulse Jet	Pulse Jet
**At standard test conditions*							

SK-Series

	SK250-436
Total Filtration Area (Sq. Ft)	250
Number Of Bags	36
Ibag Size (Diameter X Length)	4" x 78"
Overall Height	7' 6"
Flange Width	38"
Flange Length	38"
Approx. Weight (Lbs.)	500
Cfm Recommended	1200
Air To Cloth Ratio (ACFM/Sq. Ft.)	4.8
Min. Design Efficiency*	99.99%
Cleaning Mechanism	1/4 Hp 115v Single Phase Motorized Shaker

**At standard test conditions*