



C&W • **DustTech**
CLEAN AIR TECHNOLOGIES

DUST SETTLES. WE DON'T.™

Central Dust Collectors Designed to Meet Your Needs

Standard Components:

- Dirty-Air Chamber
- Hopper (To Contain Collected Material)
- Hopper Discharge Valve
- Filtration Media
- Negative Pressure Fan/Motor Assembly
- Filtration Cleaning Mechanism
- Clean-Air Chamber
- Clean Fan Exhaust
- Factory Wired and Tested Motor Controls

Our Central Dust Collectors are custom engineered to ensure contaminated air is captured and filtered efficiently through the unit. This allows clean air to be cycled back into your manufacturing process or disposed of properly to protect your people, processes and the environment.

Our singular focus on dust gives our team the ability to deliver customized dust collection solutions that are built to outperform in the most demanding, harsh environments and built to last. Whether it's a Cartridge Pulse, Bag Pulse or Reverse Air Central Dust Collector, our team will specify the most effective dust collector for your unique needs.

Central Dust Collector Features and Benefits:

- **Easy to Maintain:** Toolless exchange of filter media and clean side filter exchange.
- **Safety, OSHA-Compliant:** Ladders, platforms and handrails.
- **Customizable:** Custom options and packages are available upon request.
- **Filtration Efficiency:** Approximately 99.99%.
- **Pre-Assembled & Pre-Tested:** Minimal installation and start up time.
- **Supports High and Low Temperature Applications.**



Cartridge Pulse (CP-Series)

Cartridge Pulse (CP) Central Dust Collectors efficiently collect dust from multiple points, such as loaders, mixers, weigh batchers and silos. The CP Series offers high-efficiency and top entry with the latest cartridge technologies.

These collectors process dust at an increased Cubic Feet per Minute (CFM), requiring cartridges to be regularly cleaned of any build up. Each unit is constructed with blowpipes and timer-controlled system that automatically cleans the cartridges with compressed, clean and dry air at 90-100 psi.

Our Cartridge Pulse technology is also offered in small central housings starting at 1440 CFM. The Small CP Series provides a high-performing, cost effective solution for your exact dust control needs.

Additional Features and Benefits:

- **Performance:** Magnehelic gauge and laser aligned cleaning system.
- **Compact Design:** Pleated Filter Media.
- **Reliable, Easy to Operate:** Electrical control panel and solid-state adjustable timers with LED display.



CP – 7500

Bag Pulse Jet (BP-Series)

Bag Pulse (BP) Central Dust Collectors collect dust from multiple points, such as loaders, mixers and silos especially in elevated temperature applications. Advanced pulse jet technology and a large selection of filtration media creating a high-performing system that eliminates confined space issues.

Dust entering the collector is automatically funneled to a high-level expansion chamber that slows air flow and allows the majority of dust to fall to the hopper without reaching the bags. Clean air then comes up through the bags and out the collector exhaust.

The BP Collector is constructed with blowpipes that clean bag buildup with compressed, clean and dry air at 90-100 psi.

Additional Features and Benefits:

- **Performance:** Magnehelic gauge and laser aligned cleaning system.
- **Greater Temperature Range:** Supports low temperature applications.
- **Reliable, Easy to Operate:** Electrical control panel and solid-state adjustable timers with LED display.



BP – 790

Reverse Air (RA-Series)

Reverse Air (RA) Central Dust Collectors are designed to collect dust from multiple points, such as mixer truck charging points or central mixers. The RA Series provides an effective way to filter out harmful dust pollution effects with its multi-compartment design.

As heavy dust particles settle out of the air stream and into the hopper, dust-laden air flows up through the inside of the polyester felt bags where the particles are trapped. Filter bags allow clean air to pass through the air chamber and back into the environment. The cleaning cycle rotates between compartments to ensure each is cleaned in rotation.

Additional Features and Benefits:

- **Reliable, Easy to Operate:** Solid state adjustable timers with LED display.
- **Performance:** Magnehelic gauge and hopper vibrator.
- **Long lasting, durable:** 10-gauge, cambered steel construction.
- **Greater Temperature Range:** Including cold climate applications.



RA – 140

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 Central 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.

CP Series

	CP-5250	CP-7500	CP-10000	CP-12500	CP-14000
Total Filtration Area	787	1654	2068	2585	3102
Number of Cartridges	15	16	20	25	30
Type of Media	8" x 39"	8" x 78"	8" x 78"	8" x 78"	8" x 78"
Normal Air Capacity (CFM)	5250	7500	10000	12500	14000
Static Pressure Drop	8" W.C.				
Air to Cloth Ratio (ACFM/ft.2)	6.67	4.53	4.83	4.83	4.51
Blower Horsepower (Optional)	15	20	20	25	30
Blower CFM	5,250	7,500	10,000	12,500	14,000
Min. Design Efficiency	99.99%*	99.99%*	99.99%*	99.99%*	99.99%*
Cleaning Mechanism	Pulse Jet w/ Timer				
*At standard test conditions					

Small CP Series

	CP1440C	CP2150C	CP2880C	CP3240C	CP3600C	CP4320C
Total Filtration Area	210	315	420	472.5	525	630
Number of Cartridges	4	6	8	9	10	12
Normal Air Capacity (CFM)	1440	2160	2880	3240	3600	4320
Static Pressure Drop	8" W.C.					
Air to Cloth Ratio (ACFM/ft.2)	6.86	6.86	6.86	6.86	6.86	6.86
Blower Horsepower (Optional)	3	5	7.5	7.5	7.5	10
# of Solenoids	2	2	2	3	2	3
Outlet Moisture Content (Ideally)	0	0	0	0	0	0
Min. Design Efficiency	99.99%*	99.99%*	99.99%*	99.99%*	99.99%*	99.99%*
Cleaning Mechanism	Pulse Jet w/ Timer					
Compressed Air Requirement (cfm)	2	2	3	4	4	5
*At standard test conditions						

BP Series

	BP-790	BP-1100	BP-1300	BP-1500	BP-1800	BP-2000
Total Filtration Area	790	1100	1256	1507	1810	2072
Number of Bags	50	70	80	96	96	132
Bag Length	120"	120"	120"	120"	144"	120"
Overall Height	23'	24'7"	25'1"	26'2"	28'2"	23'5"
Overall Width	10'5"	10'10"	11'5"	11'7"	11'11"	19'5"
Overall Length	8'6"	12'2"	12'2"	14'	13'11"	10'3"
Blower HP	10	15	15	20	25	25
Air to Cloth Ratio (ACFM/ft²)	6.3	5.91	6.37	5.97	6.08	6.12
# of Compartments	1	1	1	1	1	1
Cleaning Mechanism	Pulse Jet w/ Timer					
Min. Design Efficiency*	99.9%*	99.9%*	99.9%*	99.9%*	99.9%*	99.9%

*At standard test conditions

RA Series

	RA-120	RA-140	RA-170	RA-200	RA-280	RA-340
Total Filtration Area	955	1433	1734	2148	2865	3468
Number of Bags	48	72	72	108	144	144
Bag Length	114"	114"	138"	114"	114"	138"
Overall Height	21'6"	23'8"	25'8"	23'8"	25'4"	27'4"
Overall Width	8'	10'4"	10'4"	10'4"	10'7"	10'7"
Overall Length	9'2"	9'2"	9'2"	11'	17'5"	17'5"
Approx. Weight (lbs.)	5,600	7,200	8,200	9,200	10,500	12,400
Air to Cloth Ratio (ACFM/ft²)	5.2	4.54	4.61	4.66	4.54	4.33
Blower Horsepower (optional)	10	10	15	20	25	25
Blower CFM	5,000	6,500	8,000	10,000	13,000	15,000
# of Compartments	2	2	2	2	4	4
Cleaning Mechanism	Reverse Air					
Min. Design Efficiency*	99.9%*	99.9%*	99.9%*	99.9%*	99.9%*	99.9%

*At standard test conditions