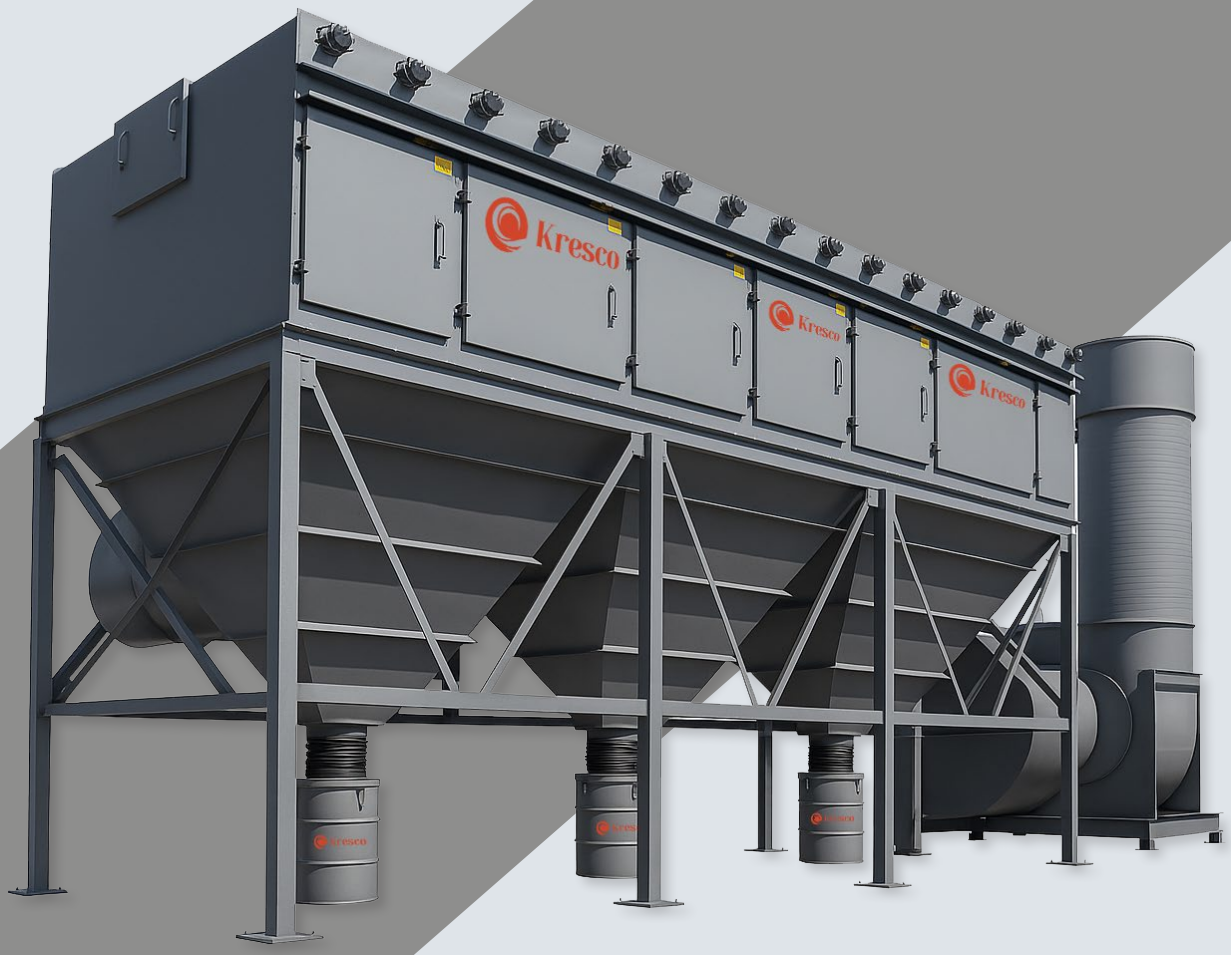
Kresco



DUST COLLECTORS

FOR SANDBLAST BOOTHS

CDC SERIES CDC2000 TO CDC150000

Kresco's range of CDC Series Cartridge Dust Collectors for Sandblast Booths provides exceptional filtration capacity of up to 224 cartridges and up to 150,000 CFM, enabling a dust-free environment for industrial sandblasting applications.

C SP US

OSHA®

NFPA® NATIONAL FIRE PROTECTION ASSN.

Overview of the CDC Series for Sandblast Booths



Kresco's CDC2000-150000 Series of Cartridge Dust Collectors are designed for permanent sandblast facilities, such as sandblast booths and sandblast rooms.

What sets them apart from the competition are their vertical, compact design and their exceptional capacity to handle high concentrations of airborne contaminants.

This model is available in a range from 2 to 224 cartridges and up to 150,000 CFM capacity.

The CDC2000-150000 Series Dust Collectors can be equipped with optional accessories and designs to help you comply with the NFPA while protecting your workers and facility against fire and explosions.

Our dust collectors integrate the latest technologies to provide peace of mind operation and maintenance:

- → Self-cleaning, compressed air pulse-cleaning system with automated timer and clogging indicator
- → Cartridge filters that capture 99% of all particles down to one (1) micron or larger
- → Tool-free access doors and manual camlock mechanism enabling fast and easy cartridge replacement performed externally, minimizing contact with hazardous airborne contaminants
- → Continuous operation without the need for system shutdown during filter cleaning
- → Efficient ventilation system available up to 150,000 CFM
- → Cost-effective maintenance only requiring periodic replacement of filter cartridges
- → Can be installed on existing sandblasting facilities
- → Available in 240 V, 480 V, and 600 V

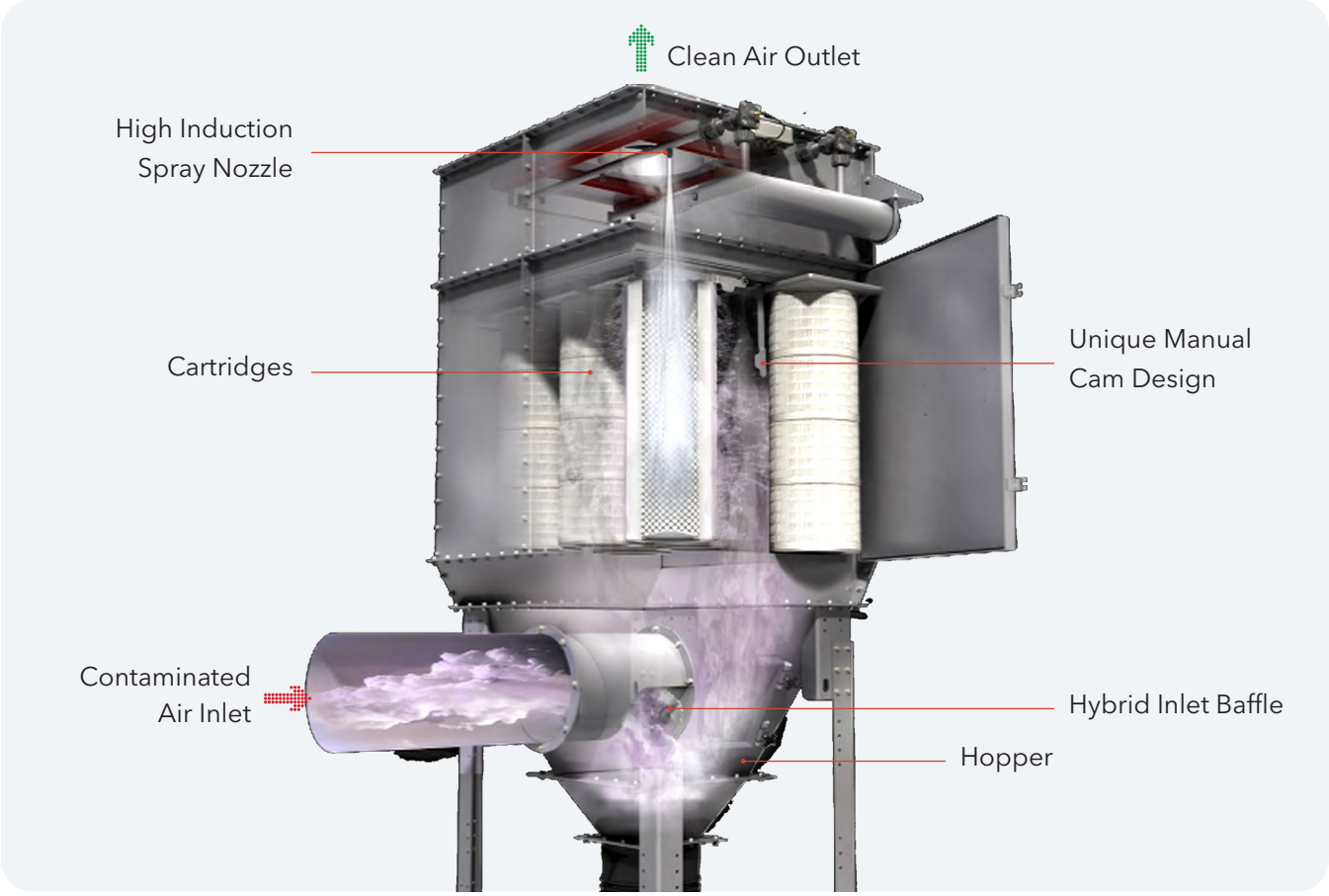
Optional Features

- → HEPA filter – able to capture 99.7% of all particles down to 0.3 microns or larger
- → Horizontal or vertical muffler in compliance with OSHA noise level standard
- → Full range of explosion/fire prevention accessories and features to help you comply with NFPA regulations

How it Works

Dust-laden air enters the hopper section of the collector through a side inlet—either under vacuum or pressure—depending on the system configuration (bin vent models receive air from the bottom).

The contaminated air then passes through the cartridge filters, where particulate is captured on the surface. Clean air flows into the plenum chamber and is either discharged to the atmosphere or recirculated into the facility, depending on the system configuration.



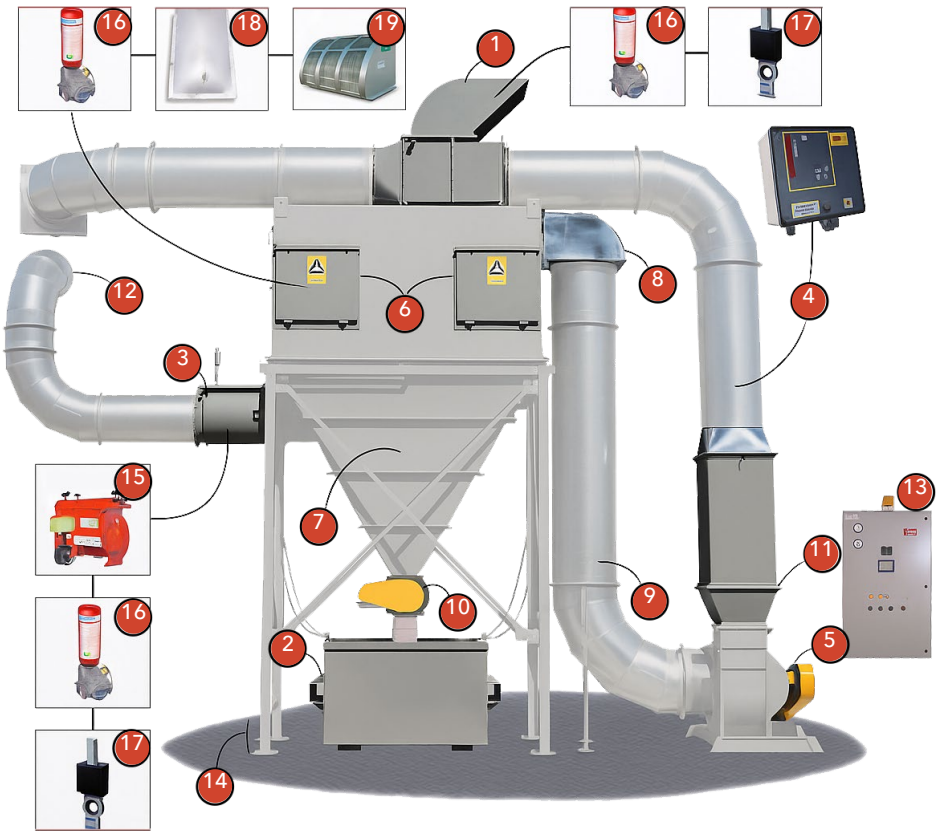
Standard Features

- 7 to 12 Gauge Galvanized Panel Construction
- Goyen Solenoir Block Kit with 1-1/2" Goyen Valves
- Adjustable Height Legs
- All-Welded Hoppers
- Manual Cam Cartridge Compression System (No tools required)
- Lifting Lugs
- Pressure Differential Gauge (Between clean and dirty side of cartridges)
- Programmable Logic Controler for Pulse Cleaning System
- Belt or Direct Drive Blowers
- Service Ladder and Platform (Optional)



Fire and Explosion Prevention Features

Here is an exhaustive list of fire and explosion prevention accessories and features to help you comply with NFPA regulations.



1	Abort Damper	**11**	Silencer
2	Bin / Drum Kit	**12**	Spark Detector
3	Blow Back Damper	**13**	Control Pannel
4	Broken Bag Detector	**14**	Ground
5	Explosion Proof Motor	**15**	Passive Isolation Valve ATEX95 Certified
6	Explosion Vents	**16**	Extinguishers
7	Fire Extinguishing System	**17**	High-Speed Isolation Valves
8	Front Flame Deflector	**18**	Explosion Relief Vent Panels
9	High Temperature Probe/Alarm	**19**	Flameless Vents
10	Rotary Air Lock		

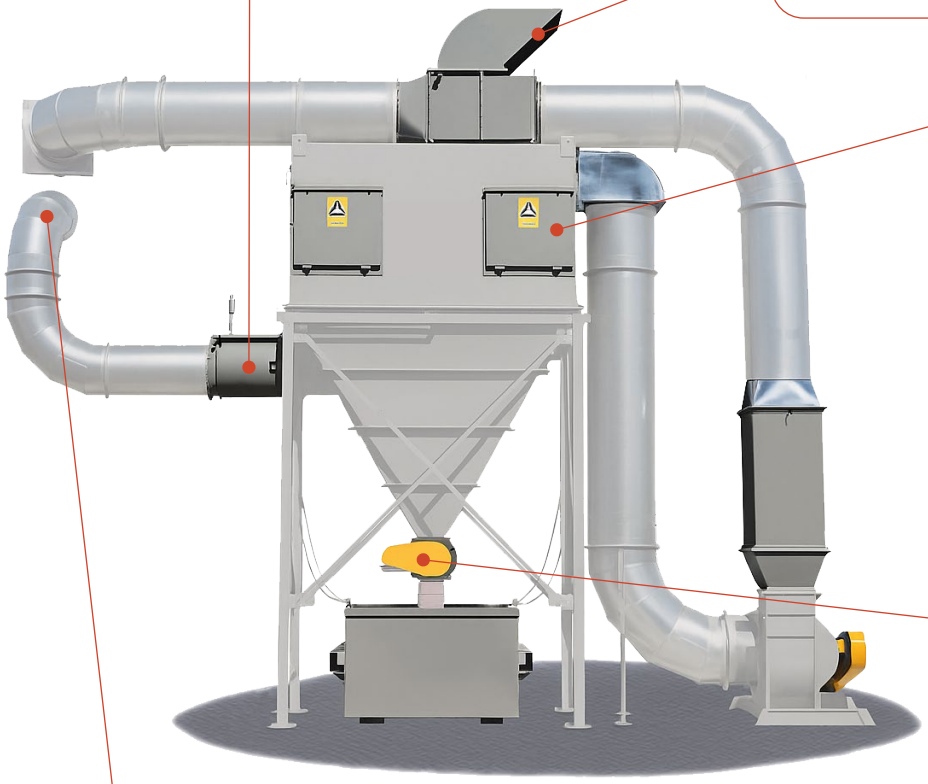
Fire and Explosion Prevention Features

Blow Back Damper

In the event of a fire or explosion inside the dust collector, the blowback damper seals the intake ductwork, preventing smoke, flames, or pressure from returning into the facility.

Abort Damper

When connected to a certified spark or fire detection system, the abort damper immediately redirects exhaust air to the atmosphere upon detection of a spark, helping to prevent fires from entering the building.



Explosion Vents

Explosion vents are designed to safely relieve pressure and direct the force of a flame or explosion outward to the atmosphere, using calibrated burst panels secured by pressure-rated fasteners.

Rotary Airlock

The rotary airlock maintains an effective air seal while regulating the controlled discharge of collected dust and material from the hopper.

Spark Detection & Fire Extinguishing System

This system uses temperature sensors to detect sparks or fire, automatically activating a sprinkler system to suppress ignition sources. It also shuts down the blower to eliminate oxygen intake and inhibit fire propagation.

Technical Specifications

Models	Configuration		Cartridges		Dimensions			
CFM	Valves	Hoppers	Number	Filtration Area (sq.ft.)	Depth	Width	Height	Weight (lbs)
2000	2	1	4	1,260	2'-8"	3'-4"	12'-8"	1,472
2000-4000	2	1	6	1,890	3'-10"	3'-4"	3'-8"	1,711
4000	3	1	9	2,835	3'-10"	4'-11"	14'-0"	2,130
6000	4	1	12	3,780	3'-10"	6'-9"	15'-7"	2,780
8000	4	1	16	5,040	5'-1"	6'-9"	15'-7"	3,028
10000	4	1	20	6,300	6'-3"	6'-9"	15'-7"	3,230
12000-16000	6	1	24	7,560	5'-1"	10'-1"	18'-6"	4,509
12000-16000	6	2	24D	7,560	5'-1"	10'-11"	5'-1"	4,056
16000-20000	6	1	30	9,450	6'-3"	10'-1"	18'-6"	4,813
16000-20000	6	2	30D	9,450	6'-3"	10'-1"	15'-2"	4,772
20000-24000	6	1	36	11,340	7'-5"	10'-1"	18'-6"	5,345
20000-24000	6	2	36D	11,340	7'-5"	10'-1"	16'-2"	5,475
24000-30000	8	1	40	12,600	6'-3"	13'-6"	21'-5"	6,491
24000-30000	8	2	40D	12,600	6'-3"	13'-6"	15'-7"	5,477
30000-34000	8	1	48	15,120	7'-5"	13'-6"	21'-5"	6,930
30000-34000	8	2	48D	15,120	7'-5"	13'-6"	16'-2"	6,300
34000-36000	10	2	50D	15,750	6'-3"	16'-10"	17'-0"	6,732
36000-38000	8	2	56D	17,640	8'-7"	13'-6"	17'-3"	7,233
38000-40000	10	2	60D	18,900	7'-5"	16'-10"	17'-1"	7,307
40000-44000	8	2	64D	20,160	9'-10"	13'-6"	18'-3"	8,100
44000-50000	10	2	70D	22,050	8'-7"	16'-10"	17'-11"	8,212
50000-52000	10	2	80D	25,200	9'-10"	16'-10"	18'-1"	9,193
52000-60000	12	2	84D	26,460	8'-7"	20'-3"	18'-6"	9,339
60000-70000	12	2	96D	30,240	9'-10"	20'-3"	18'-6"	10,442
70000-80000	14	3	112T	35,280	9'-10"	23'-7"	18'-6"	12,513
80000-90000	16	3	128T	40,320	9'-10"	27'-0"	18'-6"	14,587
90000-100000	18	3	144T	45,360	9'-10"	30'-4"	18'-6"	16,425
100000-110000	20	3	160T	50,400	9'-10"	33'-9"	19'-6"	17,584
110000-120000	22	3	176T	55,440	9'-10"	37'-2"	20'-5"	18,725
120000-130000	24	3	192T	60,480	9'-10"	40'-6"	21'-5"	19,864
130000-140000	26	3	208T	65,520	9'-10"	43'-10"	22'-5"	21,785
140000-150000	28	3	224T	70,560	9'-10"	47'-3"	23'-5"	23,680

About Kresco

Kresco designs, manufactures, and supports industrial equipment for the surface treatment industries. **Kresco** has standard equipment designed for most applications and can customize equipment to meet or exceed your production expectations.

Sandblasting

- Sandblast Booths
- Sandblast Cabinets
- Automated Sandblasting Systems
- Abrasive Reclaiming Systems
- Pressurized Sandblasters
- Dust Collectors

Shotblasting

- Roller Conveyor Blaster
- Rotary Table Blaster/Swing Table Blaster
- Spinner Hanger (Batch)
- Continuous Flow with Monorail
- Rubber and Steel Flight Tumbler Blasters
- Flow Thru Barrel Blasters
- Mesh Belt Continuous Blasters
- Monorail System Blasters
- Rim Blasters
- Preservation Line

Painting

- Paint Spray Booths
- Powder Coating Booths
- Drying Ovens
- Air Make-Up Units

Solvent Recovery

- Batch Solvent Distillers
- Continuous Flow Solvent Distillers
- Oil Cooling Systems

Parts & Consumables

- Blast Nozzles
- Blast Hoses
- Abrasive Media
- Air Valves
- Abrasive Metering Valves
- Cartridge Filters
- Sludge Bags
- Safety Equipment & PPE

Services

- Turnkey Project Design
- Custom Design
- Full Installation
- Start-up Supervision
- Training
- Maintenance
- Retrofit & Upgrade

All systems are designed to build and they are manufactured with the highest quality standards in our manufacturing shop in Quebec, Canada.





Kresco

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