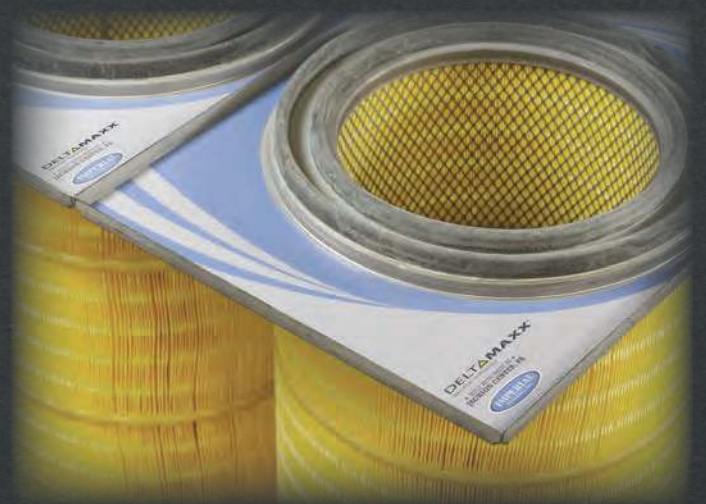


CMAXX

DUST & FUME COLLECTION SYSTEM



Quality. Safety. Value.



The CMAXX Dust & Fume Cartridge Collector has more filter media than other same-sized vertical cartridge collectors.

The internal area of the CMAXX offers 20% more area around the filters causing more dust to drop.



CMAXX

ADVANTAGES

ENERGY EFFICIENT

High-Performance manifold
mounted pulse valves

TOOL-FREE, HEAVY DUTY FILTER DOOR

Less service time

EXTREME HEAVY DUTY

7 & 10 gauge construction

VERTICAL CARTRIDGE DESIGN

Longer filter life

BEST IN CLASS

Internal velocities are 20% lower

MODULAR DESIGN

No external bolt holes
Less chance for water & air leaks

MILITARY GRADE DOOR LATCHES

No truck trailer hardware
Maintenance free

EXPANDABLE

For future growth

FACTORY ASSEMBLED AIR HEADER & TOP SECTION

In most cases, hopper and legs ship disassembled

NO INTERNAL FRAME ON DIRTY AIR PLENUM

Fewer internal ledges for material to build up on

GRAPHITE INDUSTRIAL ENAMEL

Corrosive-Resistant paint

SPACE SAVING

Low profile design
Small footprint



THE CMAXX ROOF DESIGN VERSUS A TYPICAL DUST COLLECTOR

CMAXX Domed Roof



1. Solid One-Piece Roof

A stronger design without individual panels means zero warping and zero leaks! ❌

2. Domed Design

The shape allows water and debris run-off. ❌

3. No External Bolt Holes

Internal bolt holes mean this design is completely sealed to guarantee no leaks and no rusty bolts. ❌

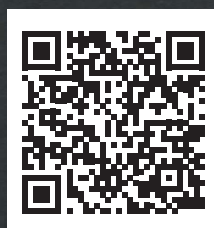
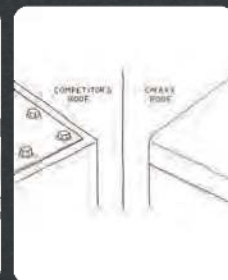
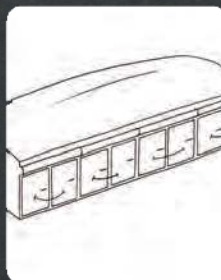
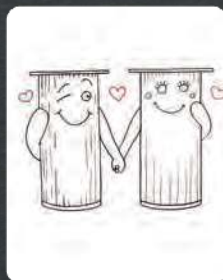
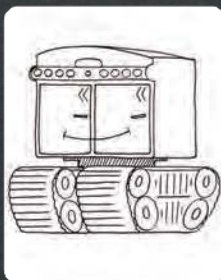
4. Heavy Duty Construction

Fully welded with all welds ground smooth, this 3/16" thick roof features reinforcement with 1/4" internal stiffeners. ❌

Typical Dust Collector



Watch our Doodle Video to learn more!



EVEN-LOCK TECHNOLOGY & EASY FILTER CHANGEOUTS



What is Even-Lock Technology?

- 100% even pressure across the filter gaskets
- Prevents leaks and ensures 100% filter efficiency
- Makes for easy filter changeouts that will not make a mess

CHANGING FILTERS

HAS NEVER BEEN EASIER

Using the lift-rails and filter removal tool, changing out the cartridge filters in the CMAXX has never been easier and cleaner.

Just use the even-lock security handles to release the filters and easily slide the filters off the lift-rails. The filter removal tool can be used for those hard to reach filters in the back.

Watch the instructional filter changeout video!





DELTA MAXX™
Nanofiber Technology Filters



IDA (In-Line Deflagration Arrester) **CERTIFIED**

The CMAXX, along with the proprietary IDA (In-Line Deflagration Arrester) DeltaMAXX Filters, has been PROVEN to isolate a deflagration and stop a flame front!



Entire flame front forced through the vent.



With cover on explosion vent, 100% of the flame front forced through the IDA DeltaMAXX Filters. No spark or flame present.

Imperial Systems, Inc. has tested the CMAXX Dust Collector with IDA DeltaMAXX Filters and found that in all tests the filters could isolate a deflagration and stop a flame front. Without any trace of flame or spark transmission downstream of the IDA filters or in the clean air plenum, the results proved that the CMAXX is one of the best dust collectors in the industry!



Using a CMAXX without explosion venting, the unit's body was tested to withstand a deflagration of corn starch at 185 KST with pressures exceeding 4 PSI. The entire explosion diverted through the IDA DeltaMAXX Filters, which showed no sign of deformation. The internal cages of the filters remained in perfect shape and the seals were not deformed or melted whatsoever. All results, proving that the CMAXX can be used as a flame front deflagration arrester when used in conjunction with IDA DeltaMAXX filters, is backed by third party testing. Reports and test results can be provided upon request.

CMAXX Model Variations

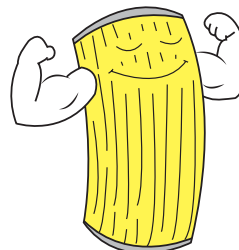
Model	Nominal CFM Range	Quantity of Filters	Filter Area (sq. ft.)	"A" Width	"B" Depth	"C" Height	"D" Height	"E" Height	Quantity of Pulse Valves	Weight (lbs.)
CM-002	350-3150	2	700	22 1/2	45	70 1/4	26	150 1/4	2	1,600
CM-004	700-6300	4	1400	45	45	70 1/4	26	150 1/4	4	2,000
CM-006	1050-9450	6	2100	45	67 1/2	70 1/4	26	150 1/4	6	2,700
CM-008	1400-12600	8	2800	45	90	70 1/4	26	150 1/4	4	3,150
CM-010	1750-15750	10	3500	45	112 1/2	70 1/4	26	150 1/4	5	3,600
CM-012S	2100-18900	12	4200	67 1/2	90	70 1/4	26	150 1/4	6	4,260
CM-012L	2100-18900	12	4200	45	135	70 1/4	26	150 1/4	6	4,500
CM-016S	2800-25200	16	5600	90	90	70 1/4	42	166 1/4	8	5,250
CM-016L	2800-25200	16	5600	45	180	70 1/4	26	150 1/4	8	5,900
CM-020	3500-31500	20	7000	90	112 1/2	70 1/4	42	166 1/4	10	6,050
CM-024	4200-37800	24	8400	90	135	70 1/4	42	166 1/4	12	7,200
CM-032	5600-50400	32	11200	90	180	70 1/4	42	166 1/4	16	10,000
CM-036	6300-56700	36	12600	135	135	70 1/4	66	190 1/4	12	10,900
CM-040	7000-63000	40	14000	90	225	70 1/4	42	166 1/4	20	12,000
CM-048S	8400-75600	48	16800	135	180	70 1/4	66	190 1/4	16	13,000
CM-048L	8400-75600	48	16800	90	270	70 1/4	42	166 1/4	24	14,400
CM-056	9800-88200	56	19600	90	315	70 1/4	42	166 1/4	28	16,900
CM-060	10500-94500	60	21000	135	225	70 1/4	66	190 1/4	20	18,100
CM-064	11200-100800	64	22400	90	360	70 1/4	42	166 1/4	32	19,200
CM-072	12600-113400	72	25200	135	270	70 1/4	66	190 1/4	24	21,600
CM-084	14700-132300	84	29400	135	315	70 1/4	66	190 1/4	28	25,200
CM-096	16800-151200	96	33600	135	360	70 1/4	66	190 1/4	32	28,800
CM-108	18900-170100	108	37800	135	405	70 1/4	66	190 1/4	36	32,400
CM-120	21000-189000	120	42000	135	450	70 1/4	66	190 1/4	40	36,000

IMPERIAL SYSTEMS IS THE ONLY DUST & FUME EQUIPMENT MANUFACTURER WITH A TRUE SYSTEMS BACKGROUND.

From concept to installation, Imperial Systems, Inc. is a true one source company and we believe that is the best way to do business.

DELTA MAXX™

- For most dust and fume processes!
- Most Advanced Nanofiber Filtration Technology!
- Up to twice the filter life!



Made for all types of cartridge dust collectors, DeltaMAXX Nanofiber offers the longest filter life, cleanest air, and greatest overall cost savings. The extended life of the filter is due to a combination of the industry's best surface loading technology and advanced nanofiber media.

**JUST HOW GOOD?
SEE THIS GUY
IN ACTION!**