

CMAXX

SPOT FILTER SYSTEM





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BRF

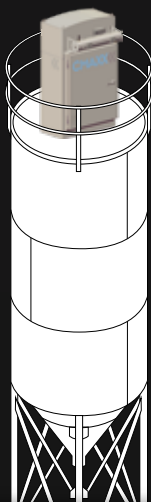
BAGHOUSE MEDIUM PRESSURE & REVERSE AIR

BRF's (Big Round Filter) are specially designed as grain dust collection systems, built to handle the heavy loading from grain applications involving drying, conveyor transfer points, dump pits, roller milling, bin venting, grain cleaners, bucket elevators, hammer mills and more.

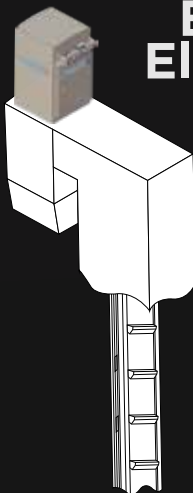


INDUSTRY APPLICATION

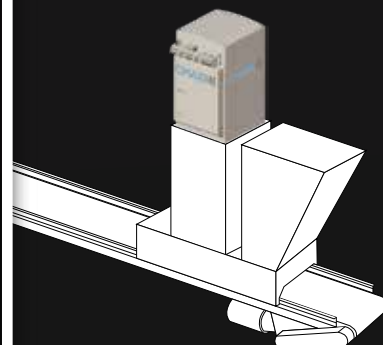
Silos



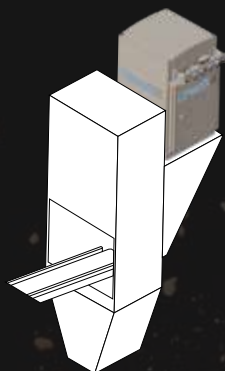
Bucket Elevator



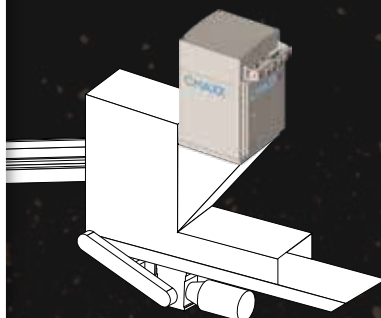
Chute to Belt



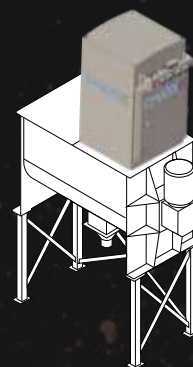
Conveyor Discharge



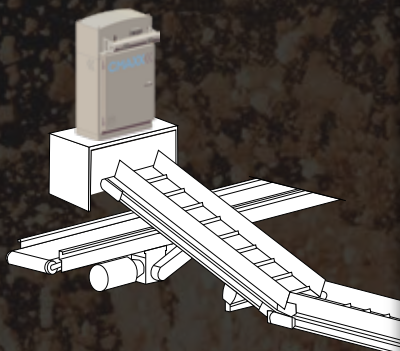
Conveyor Transfer



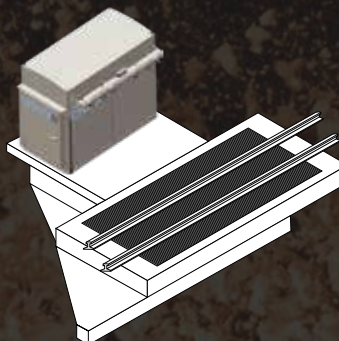
Ribbon Blender



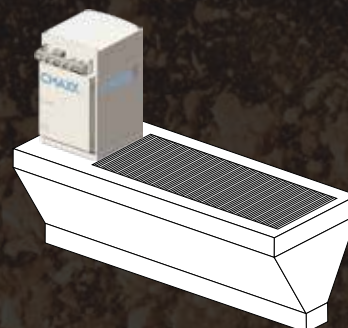
Tripper Conveyor



Rail Receiver



Truck Pit



A TRUE WORK HORSE

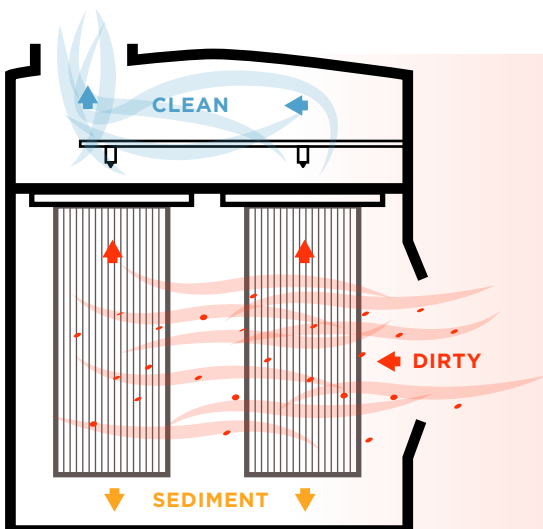


The CMAXX Spot Filter is designed to work in small spaces. It handles high air flow and bulk solids along with effectively filtering the most challenging particulates.

Whether you need a compact CMAXX with legs and a hopper or bin vent style, the space saving construction allows for easier placement at the source of the dust.

Design options include standard tall filter or half filter models depending on your application needs. With a modular 10 gauge steel construction, no exterior bolt holes and domed roof, the CMAXX has a long lifespan that stands up to the elements.

40% SMALLER THAN A TRADITIONAL BAGHOUSE DUST COLLECTOR.



HOW IT WORKS

Dirty air is pulled in from duct work or from beneath the collector and particulates are captured by the DeltaMAXX™ filters or filter bags. The clean air is pulled through the filter media and up into the clean air plenum. The air then exits the collector and goes to the return air duct. Compressed air pulses down into the filter cleaning it from the inside out. The dust cake built on the filter is then knocked down into the grating below or into a hopper.

CMAXX IDA TESTING

The CMAXX, along with the proprietary IDA DeltaMAXX filters, has been PROVEN to isolate a deflagration and stop a flame front. Third party testing of the CMAXX shows explosive flame front being forced through the vent. With the explosion vent covered, 100% of the flame front was forced through the IDA DeltaMAXX filters and NO spark or flame was present.

Using a CMAXX without explosion venting, the unit's body was also 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 testing, proving that the CMAXX can be used as a flame front deflagration arrestor/arrester when used in conjunction with IDA DeltaMAXX filters, is backed by third party testing. Reports and test results can be provided upon request.

In addition, the IDA DeltaMAXX filters work off of the same primary cleaning system that the CMAXX uses, ensuring that the filters are consistently cleaned during operation. Similar systems that use after filters do not have any means for online cleaning.

The results conform to NFPA 69 12.2.5.2 Static Dry Flame Arrester Designs and Chapter 5 under performance based option, both NFPA 654 to prevent the "extension of the flame front outside the compartment or equipment of origin except where intentionally vented to a safe location" 5.2.5 (2) and NFPA 69 "to limit and risk of flame spread from vessel to vessel via interconnecting ducts" 5.2.4 (3), 5.2.5 (2).

This CMAXX Dust Collector is IDA (In-Line Deflagration Arrestor) certified and rated up to 180 KST and 4 psi maximum dust explosion pressure. Use only IDA DeltaMAXX™ filters to keep this certification and the 15 year warranty legally valid.

To replace the IDA filters call:
800-918-3013

IDA CERTIFIED



CMAXX Spot Filter VARIATIONS



CMAXX SPOT

	Filter Quantity	Filter Area (sq. ft.)	Nominal CFM Range
CMSpot002	2	700	350-3150
CMSpot004	4	1400	700-6300
CMSpot006	6	2100	1050-9450
CMSpot008	8	2800	1400-12600
CMSpot010	10	3500	1750-15750
CMSpot012S	12	4200	2100-18900
CMSpot012L	12	4200	2100-18900
CMSpot016S	16	5600	2800-25200
CMSpot016L	16	5600	2800-25200

	Width	Depth	Height	Height with Fan (ft)	Weight (lbs.)	Weight With Fan (lbs.)
CMSpot002	45	22.5	77.25	101	1670	1920
CMSpot004	45	45	77.25	110.5	2080	2520
CMSpot006	45	67.5	77.25	112	2590	3080
CMSpot008	45	90	77.25	116	2995	3575
CMSpot010	45	112.5	77.25	120.5	3395	4185
CMSpot012S	90	67.5	77.25	127.5	4115	5135
CMSpot012L	45	135	77.25	125	3820	4840
CMSpot016S	90	90	77.25	131	4900	6270
CMSpot016L	45	180	77.25	131	4740	6110

DELTA MAXXTM
PRIME

MOST ADVANCED CARTRIDGE FILTER



PATENT PENDING



INDUSTRY LEADING

Lifetime WARRANTY

Imperial Systems, Inc. warrants to the original purchaser that the major structural components of the CMAXX™ dust collector will be free from defects in materials and workmanship for the lifetime of the equipment, if properly installed, maintained and operated under normal conditions. Imperial Systems, Inc. warrants filter cartridges to be free from defects in materials and workmanship for twelve (12) months from date of shipment. Imperial Systems, Inc. does not warrant damages which are due to corrosion, abrasion, normal wear and tear, product modification or product misapplication. Imperial Systems, Inc. also makes no warranty whatsoever as to any goods manufactured or supplied by others, including, but not limited to, electric motors and control components. After Imperial Systems, Inc. has been given adequate opportunity to remedy any defects in material or workmanship, Imperial Systems, Inc. retains the sole option to accept return of the goods, with freight paid by the purchaser, and to refund the purchase price for the goods on a prorated

basis after confirming the goods are returned undamaged and in usable condition. Such a refund will be the full extent of Imperial Systems, Inc. liability. Imperial Systems, Inc. shall not be liable for any other costs, expenses or damages, whether direct, indirect, special, incidental, consequential or otherwise. The terms of this warranty may be modified only by a special warranty document signed by the President of Imperial Systems, Inc. There exist no other representations, warranties or guarantees except as stated in this paragraph. All other warranties, including merchant-ability and fitness for a particular purpose, whether express or implied, are hereby expressly excluded and disclaimed.

BREATHE BETTER, WORK SAFER
F O R L I F E

**FAILURE TO USE GENUINE IMPERIAL
SYSTEMS, INC. REPLACEMENT PARTS
& FILTERS WILL VOID THIS WARRANTY.**





BREATHE BETTER, WORK SAFER

IMPERIAL SYSTEMS INC.

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Mercer, PA 16137**

800.918.3013

isystemsweb.com

