A.C.T.
DUST COLLECTORS

CONTROLLED
AIR DESIGN
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KEEPING
YOUR FACILITY
DUST-FREE
CAN BE GOOD
FOR YOUR
EMPLOYEES
& YOUR
BOTTOM LINE.

Industrial dust collectors not only clear the air but also improve:

• Employee efficiency

• Increase employee retention

• Help ensure a safe working environment

• Reduce equipment maintenance costs

Air quality control goes beyond just having a clean workspace.

THE LEADER IN AIR

A.C.T. Dust Collectors offer the ultimate in air filtration.

Whether your application includes welding smoke, grinding dust, cutting table fume, shot blasting, sanding, thermal spray, coating, bulk powder handling or any process that generates dust, we have the solution.

Our high-performance systems are built with features to stand up to your rugged manufacturing environment.

The **downward airflow technology** maximizes airflow in the collector to assist dust separation. With capabilities up to 100,000 CFM and more, we have the system to maximize your air filtration.

FILTRATION

STANDARD FEATURES & AVAILABLE OPTIONS

COLLECTOR DESIGN	STD	OPT
Mild Steel Construction	X	
Venturi-Assisted Pulse Filter Cleaning System	X	
ACTion-Lock Quick Release Filter Doors	X	
Inlets (2) Available	X	
A.C.T. Nano-Elite Nanofiber Cartridges	X	
Dust Drawer/Tray Bottom Material Outlet		X
Stainless Steel Construction		X
High Temperature Construction		X
Explosion Protected Models		X
Direct Drive Fans		X
Chamber and Exhaust Silencers		X
Air Management Modules		X
Steep-Sided Hopper		X
Multi-Module Hopper for Single Outlet		X
Service Platform (OSHA compliant)		X
Sprinkler Coupler		X
Alternate Filter Media Options		X
After Filter Housing		X
HEPA/ASHRAE Filters		X
Damper Pack		X
Bag-In/Bag-Out Kit (Filter & Discharge)		X
High Temp (MERV 13) Filter		X
HEPA/ASHRAE Afterfilters		X

PAINT SYSTEM	STD	OPT
Primed Interior	X	
Multi-Coat Paint Finish	X	
Custom Color		X
Epoxy Coating		X

HOPPER DISCHARGE	STD	OPT
Drum Cover and Hose	X	
Slide Gates		X
Rotary Valves and Transitions		X
Screw Conveyors		X

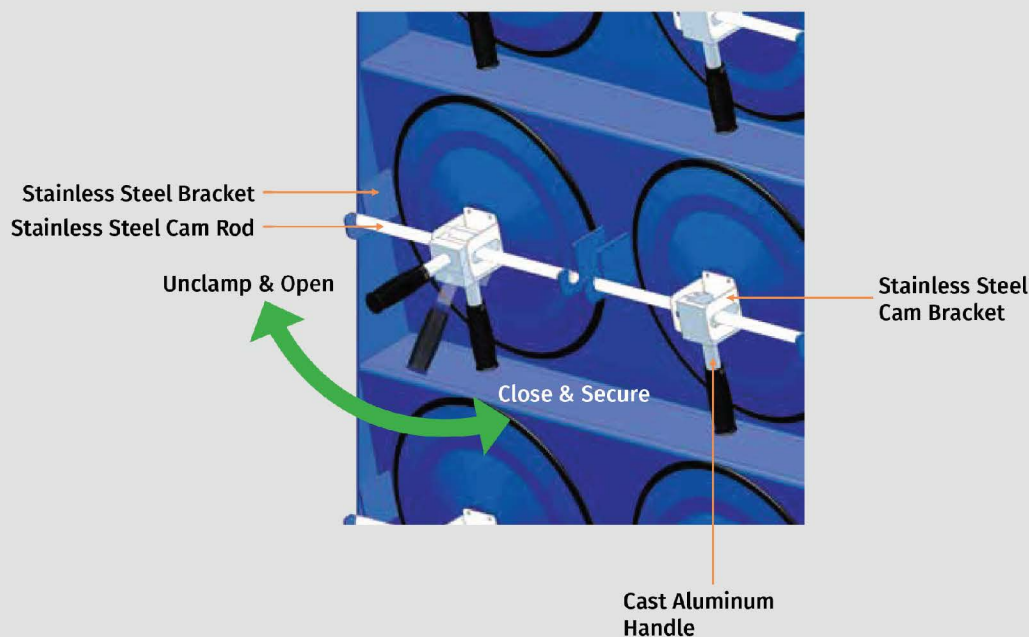| ELECTRICAL CONTROLS, GAUGES & ENCLOSURES	STD	OPT
Control Box w/Digital Timer in NEMA 4 Enclosure	X	
Control Panel with Magnetic Starter and Digital Timer Control		X
Control Panel with Variable Frequency Drive (VFD) and Digital Timer Control		X
Custom Panels		X
Solenoid Heater Kit		X

WARRANTY	STD	OPT
5-Year Warranty	X	

Stainless Steel Bracket
Stainless Steel Cam Rod

Unclamp & Open

Close & Secure

Stainless Steel
Cam Bracket

Cast Aluminum
Handle

Only aluminum and stainless steel parts are used in the construction of the door cam and mounting brackets for maximum durability in any environment. Simply set the door in place and pull the handle down to lock the cam.
Lift the handle for quick release.

The simple and secure design is widely considered as the best in the industry. Using stainless steel brackets, cross rod and a cast aluminum handle, it will stand up to the toughest environments, both outside and inside your facility. There are no knobs to turn, no moving rails, no interior yokes or threads to catch, or holes to center up — just drop in the door and clamp down. Lift the handle and you're holding the best door the industry has ever seen.

The operation of our A.C.T. dust collectors is simple and uses proven technology.

The industry best A.C.T. Nano-Elite high efficiency cartridge filters remove 99.9% of the particulate from the air stream. They carry a MERV 15 rating (best in the industry).

The cleaned air is then directed to the location of your choice, either returned to the facility or exhausted to the environment.

DIMENSIONS

ACT 2 Series ACT 3 Series ACT 4 Series ACT 5 Series Side View

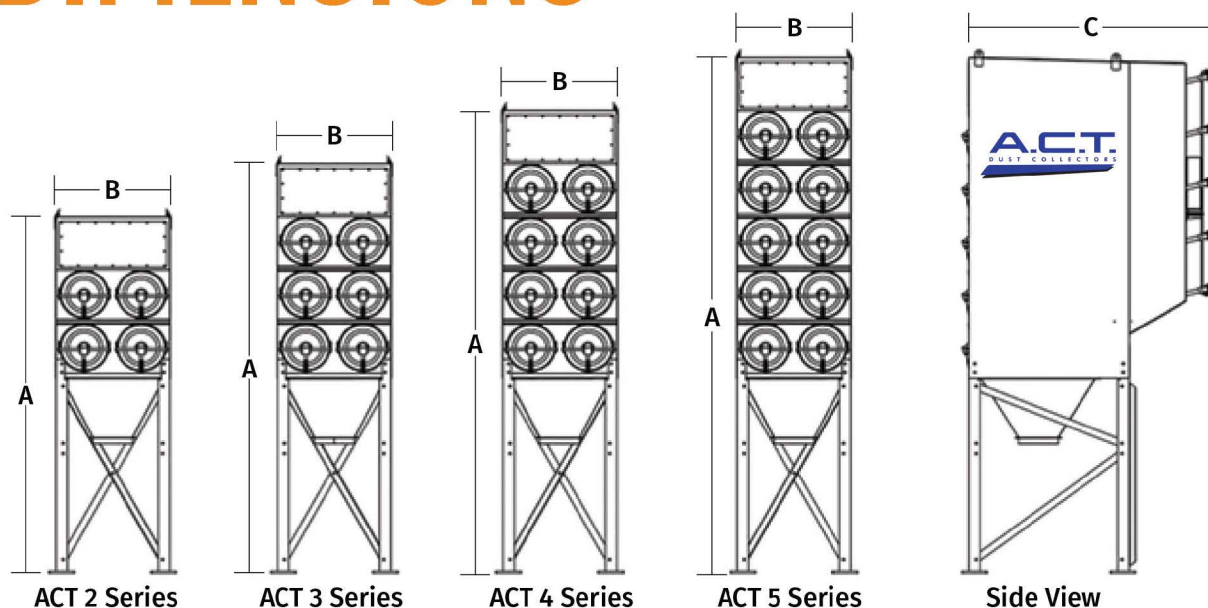## EXPERIENCE, SERVICE & SUPPORT

- Technical expertise and factory support
- Ready-to-ship parts and filters
- Numerous successful installations worldwide

CUSTOM ENGINEERING

- Systems tailored to your specific needs
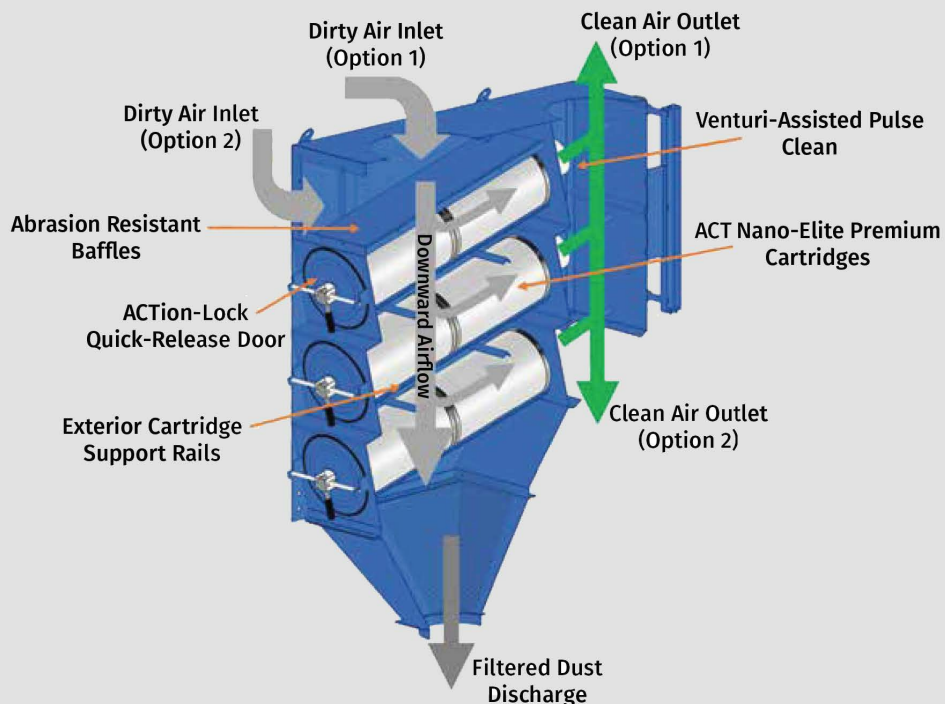- Professional design & engineering experts
- Application assistance

Dimensions are not to be used for construction.
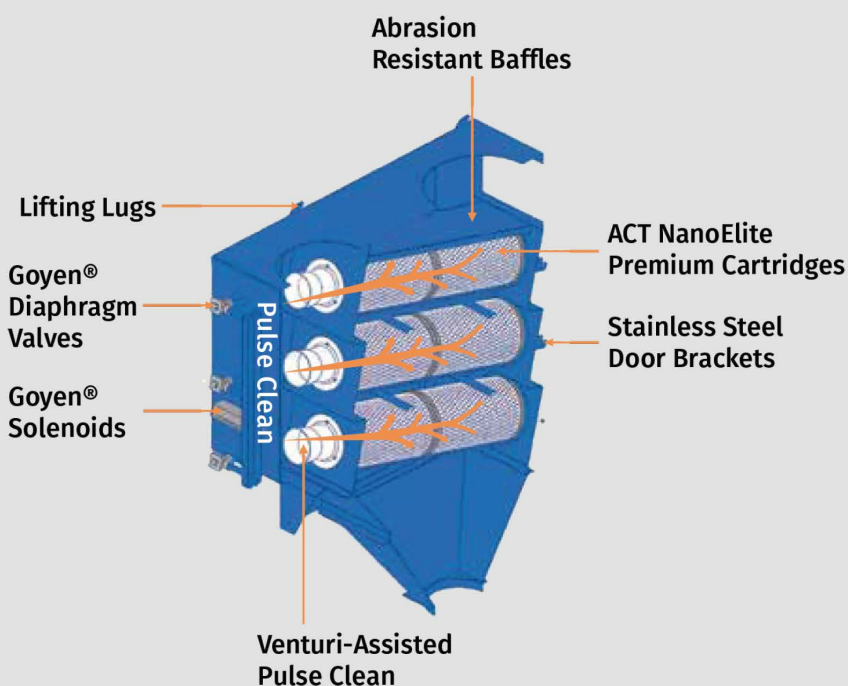
Certified drawings available upon request.

MODEL	HEIGHT (A)	WIDTH (B)	DEPTH (C)	# OF FILTERS	FILTER AREA
ACT 2-2	118"	49"	57"	2	508
ACT 2-4	127"	40"	61"	4	1,016
ACT 2-8	127"	40"	87"	8	2,032
ACT 2-12	127"	60"	87"	12	3,048
ACT 2-16	127"	80"	87"	16	4,064
ACT 2-24	127"	120"	87"	24	6,096
ACT 3-6	146"	40"	61"	6	1,524
ACT 3-12	146"	40"	87"	12	3,048
ACT 3-18	146"	60"	87"	18	4,572
ACT 3-24	146"	80"	87"	24	6,096
ACT 3-36	146"	120"	87"	36	9,144
ACT 3-48	146"	160"	87"	48	12,192
ACT 3-54	146"	180"	87"	54	13,716
ACT 3-72	146"	240"	87"	72	18,288
ACT 4-16	164"	40"	87"	16	4,064
ACT 4-32	164"	80"	87"	32	8,128
ACT 4-48	164"	120"	87"	48	12,192
ACT 4-64	164"	160"	87"	64	16,256
ACT 4-80	164"	200"	87"	80	20,320
ACT 4-96	164"	240"	87"	96	24,384
ACT 4-112	164"	280"	87"	112	28,448
ACT 4-128	164"	320"	87"	128	32,512
ACT 4-144	164"	360"	87"	144	36,576
ACT 5-20	178"	40"	87"	20	5,080
ACT 5-40	178"	80"	87"	40	10,160
ACT 5-60	178"	120"	87"	60	15,240
ACT 5-80	178"	160"	87"	80	20,320
ACT 5-100	178"	200"	87"	100	25,400

Each of our dust collectors is equipped with a **venturi-assisted reverse-pulse filter cleaning system** and a digital, solid-state pulse control panel. The controls utilize an on-board pressure switch allowing on-line, on-demand and down-time cleaning. A weatherproof housing protects the controls for a long, trouble-free life.

Dirty Air Inlet (Option 1)
Dirty Air Inlet (Option 2)
Clean Air Outlet (Option 1)
Abrasion Resistant Baffles
ACTion-Lock Quick-Release Door
Exterior Cartridge Support Rails
Downward Airflow
Venturi-Assisted Pulse Clean
ACT Nano-Elite Premium Cartridges
Clean Air Outlet (Option 2)
Filtered Dust Discharge

STANDARD FEATURES:

- Fully welded heavy construction main unit, constructed of 7 and 10 gauge carbon steel
- Designed, engineered and manufactured in the U.S.
- Exclusive ACTion-Lock Quick-Release filter door
- A.C.T. Nano-Elite Nano-Fiber High-Efficiency cartridge filters with 254 square feet of media each
- Venturi-assisted pulse clean system with premium Goyen® diaphragms and solenoids
- Exterior rail cartridge supports prevent pulse clean obstruction
- Downward airflow technology assists dust particle separation
- Integral lifting lugs
- Material discharge with sealing drum lid
- Digital, solid State Pulse Control with differential pressure switch for fully automatic cleaning
- Five-year materials and craftsmanship warranty

Abrasion Resistant Baffles
Lifting Lugs
Goyen® Diaphragm Valves
Goyen® Solenoids
Pulse Clean
ACT NanoElite Premium Cartridges
Stainless Steel Door Brackets
Venturi-Assisted Pulse Clean

OPTIONAL FEATURES:

- Abrasive inlet plenum
- Complete line of motor/blowers
- Exhaust silencers and/or dampers
- Alternate filter media options
- Rotary airlocks
- Screw conveyors
- Explosion vents
- Solenoid heater kit
- Custom paint color or coatings
- Multi-module hoppers
- Steep-sloped hoppers
- Afterfilter housings
- Bag-in/bag-out design for hazardous dust
- Stainless steel construction

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