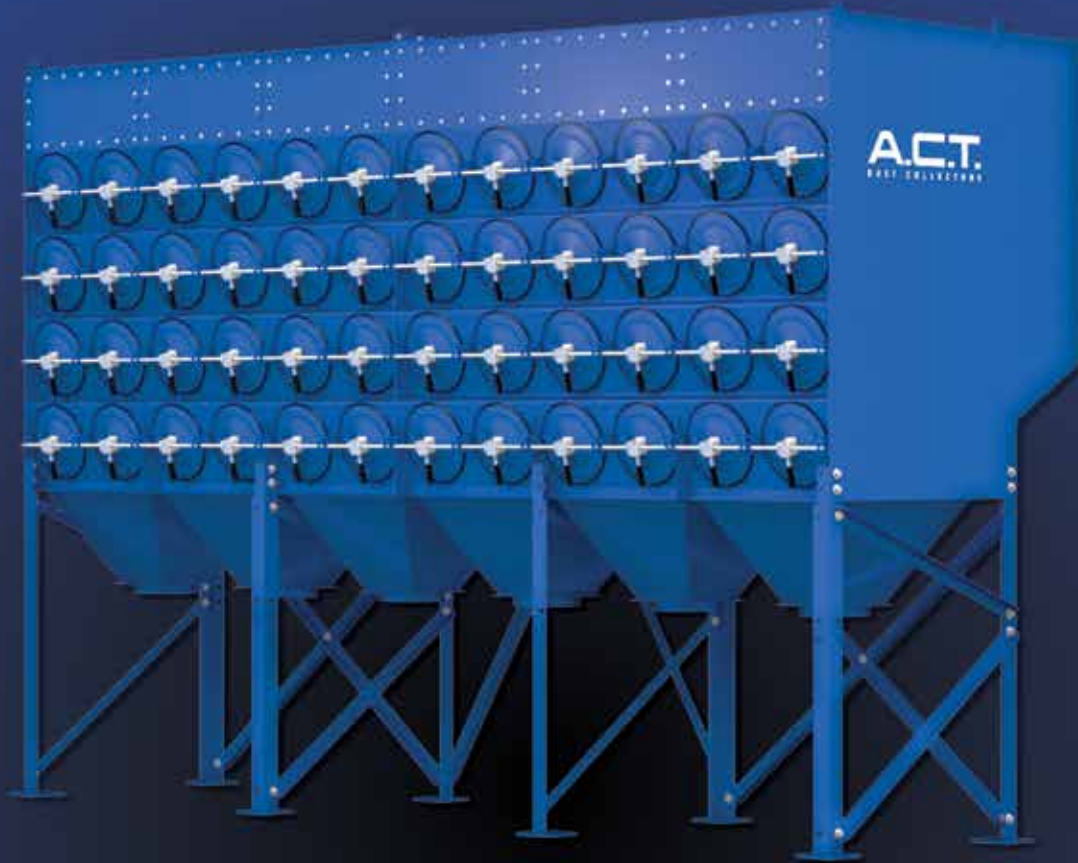


# A.C.T.

D U S T C O L L E C T O R S



**MAXIMIZING YOUR AIR FILTRATION**



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. 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.

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

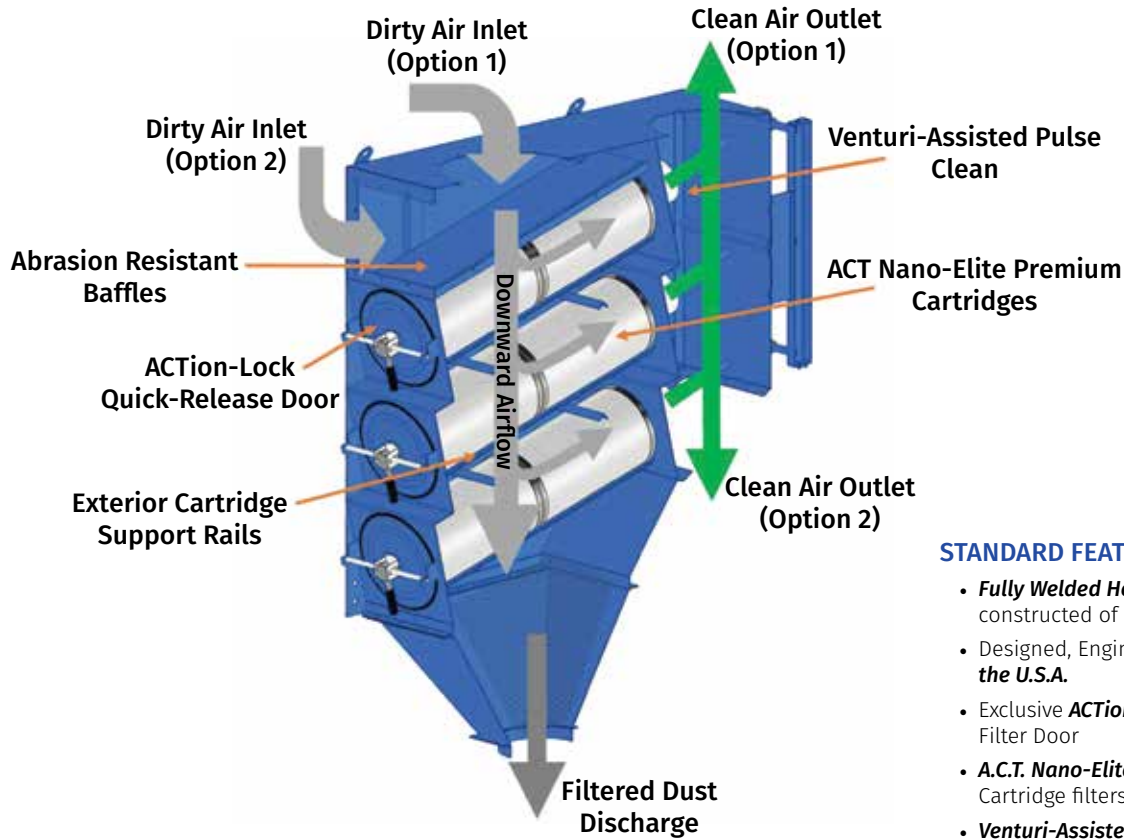
Every A.C.T. Dust Collector is equipped with a **venturi-assisted reverse-pulse filter cleaning system** and a **digital, solid state pulse control panel**. The controls utilize an on-board pressure switch allowing on-line, on-demand and down-time cleaning. A weatherproof housing protects the controls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

Perhaps the most popular feature is our exclusive **ACTion-Lock Quick-Release filter door**. 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. When manufacturing this dust collector we eliminated the filter support frame or “yoke” cantilevered off the tube sheet of the collector. By eliminating this, we removed the obstruction that can interfere with the pulse-clean process, thereby improving the cartridge cleaning and extending filter life.



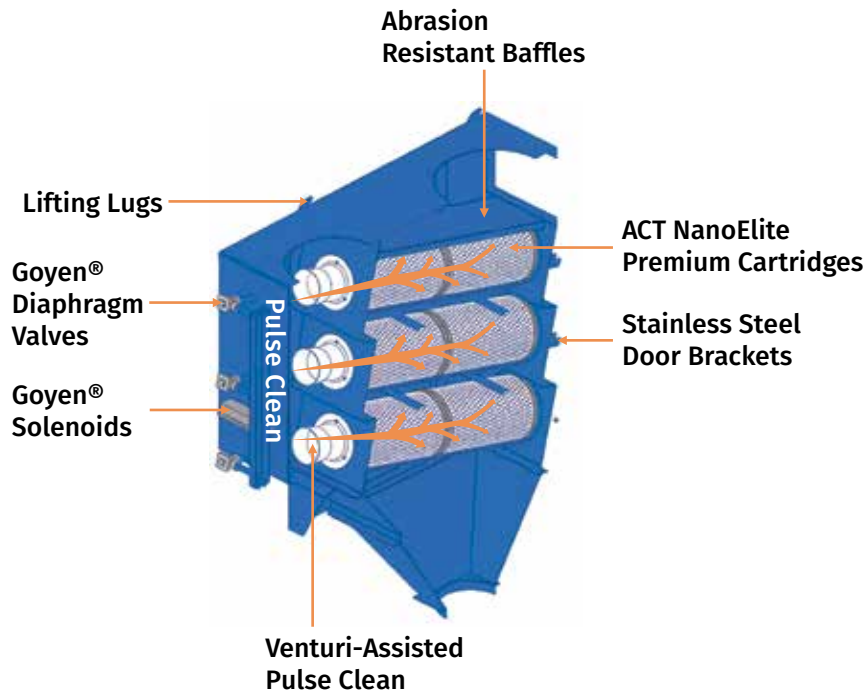
# THE A.C.T. ADVANTAGE

DUST COLLECTORS



## STANDARD FEATURES:

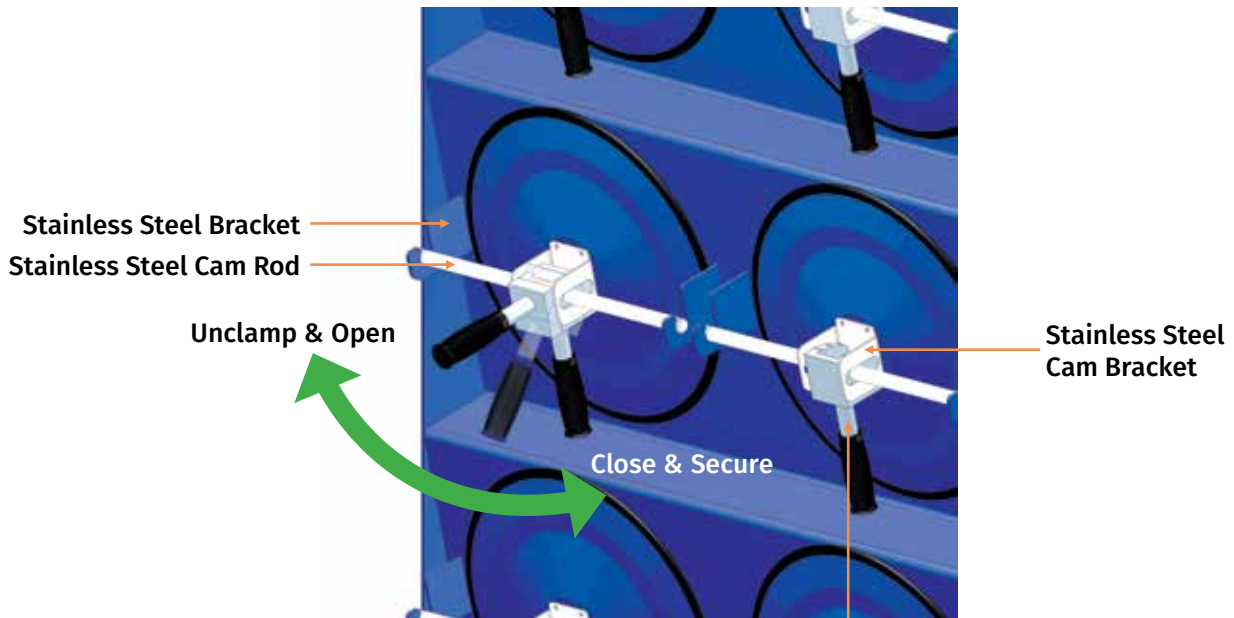
- **Fully Welded Heavy Construction** main unit, constructed of 7 and 10 gauge carbon steel
- Designed, Engineered, and **Manufactured in the U.S.A.**
- Exclusive **ACTion-Lock** Quick-Release Filter Door
- **A.C.T. Nano-Elite** Nano-Fiber High Efficiency Cartridge filters with 254 sq ft media each
- **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



## 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

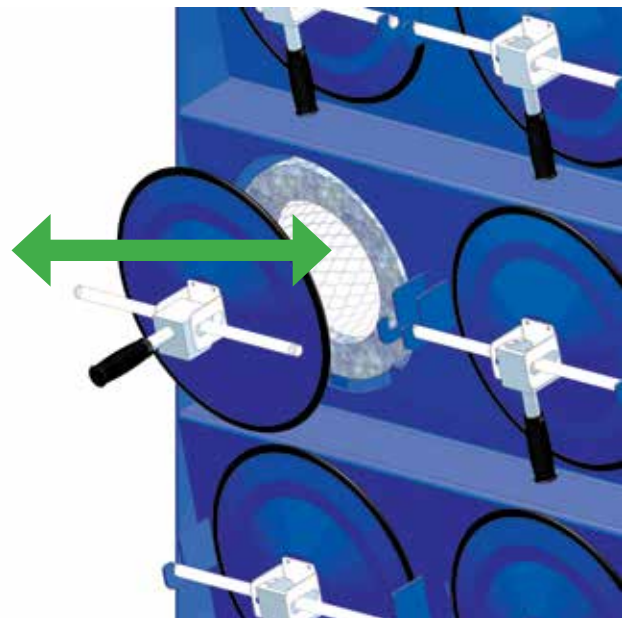
MAXIMIZING YOUR AIR FILTRATION



## **ACTion-Lock Quick-Release Filter Access Door**

*The exclusive door design of A.C.T. Dust Collectors is simple, fast and secure.*

Our years of experience with dust collection have culminated in the exclusive ACTION-LOCK Quick-Release Filter Door. 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 are holding the best door the industry has ever seen.



# A.C.T. DUST COLLECTORS... ENGINEERED

With millions of cfm going through operating A.C.T. Dust Collectors every day worldwide, we have the solution to every application. Custom designed and built systems are common, and our engineering team can help find the system that's right for you.



**Abrasion Resistance**



**Explosion Protection**

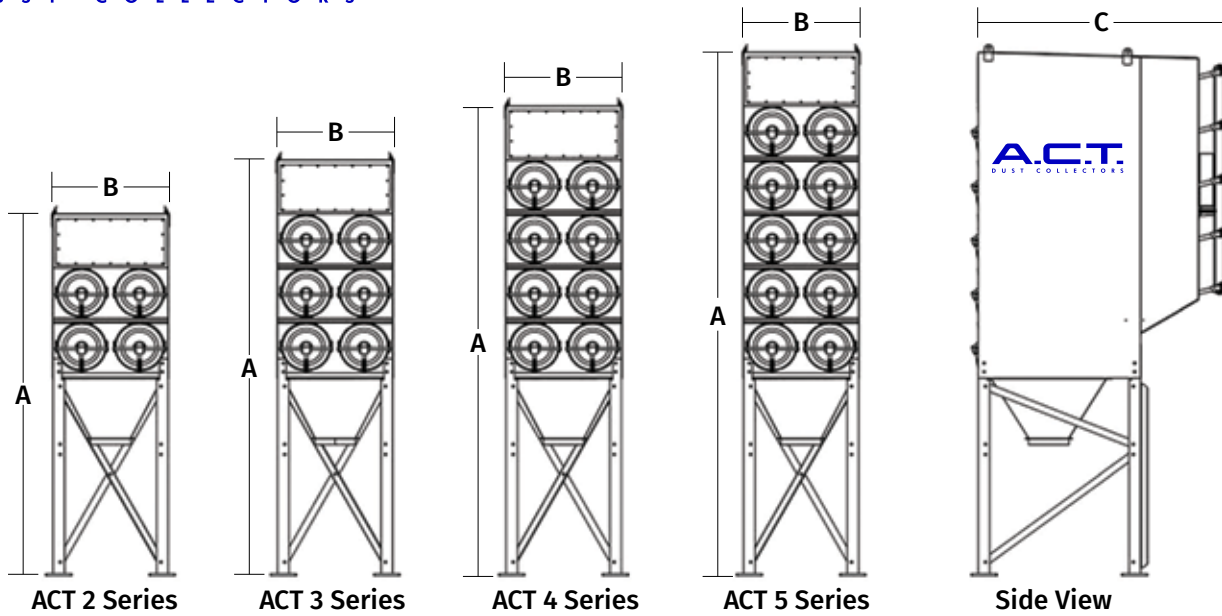


**Custom Color**



**Corrosion Resistance**

# DIMENSIONS



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

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

# STANDARD FEATURES & AVAILABLE OPTIONS

COLLECTOR DESIGN	STD	OPT	PAINT SYSTEM	STD	OPT
Mild Steel Construction	X		Primed Interior	X	
Venturi-Assisted Pulse Filter Cleaning System	X		Multi-Coat Paint Finish	X	
ACTION-Lock Quick Release Filter Doors	X		Custom Color		X
Inlets (2) Available	X		Epoxy Coating		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			
			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	



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## **EXPERIENCE, SERVICE AND 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

**DESIGNED, ENGINEERED,  
AND MANUFACTURED IN USA**

