



United Air Specialists, Inc.

a CLARCOR company

SFC SERIES



DOWNWARD FLOW CARTRIDGE DUST COLLECTOR

Clean air. It's what we do.

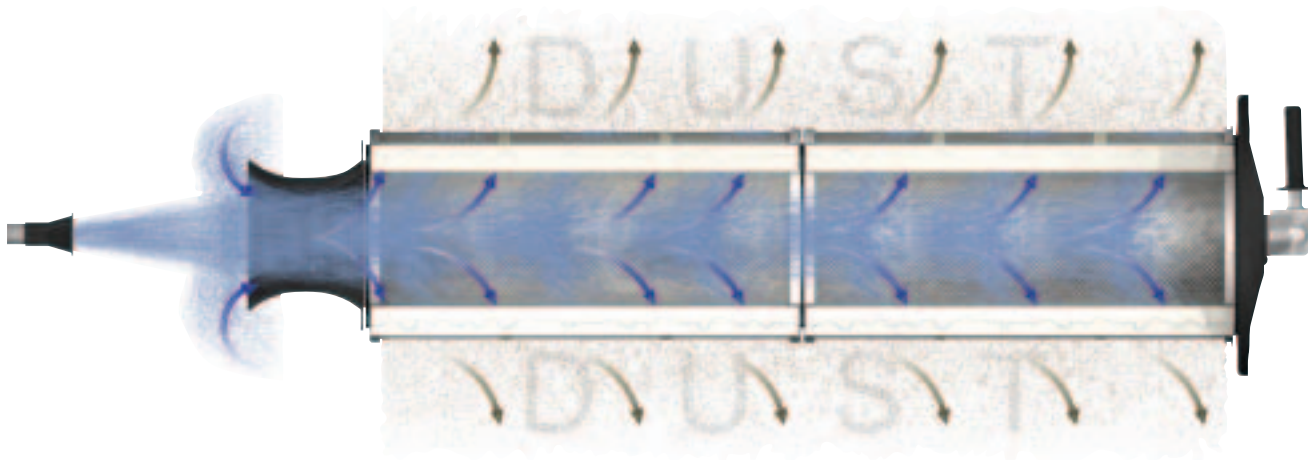
ADVANCED PULSE CLEANING TECHNOLOGY. . .

. . . at the heart of the SFC System is the industry's most advanced Pulse Cleaning System. In designing the SFC unit, UAS Engineers used advanced computer modeling technology to effectively "pulse off" dust from the filter — greatly improving the cartridge cleaning power. Utilizing an unobstructed airway and an optimized nozzle and venturi, the SFC units provide increased pulse cleaning energy, lower pressure drop and longer cartridge life. Plus, our patented Pulse System cleans the full length of the cartridge. These unique, proprietary features assure years of dependable, efficient and cost effective performance.

EXTENDED CARTRIDGE LIFE WITH MORE POWER & LESS ENERGY.

Unlike competitors, the SFC System uses external filter tracks to support the filters instead of "yokes" that interfere with cleaning. This allows for unobstructed airflow and increased cleaning power with less energy. By designing the SFC with optimized cabinets that broaden the space between cartridges and sidewalls, we ensured lower velocities and reduced cartridge abrasion. The result: dramatically increased cartridge life.

SFC PULSE BLAST



1. OPTIMIZED VENTURI & PULSE NOZZLE

Provides the most pulse cleaning power to the cartridge at lower costs vs. competition.

2. UNOBSTRUCTED PULSE CLEANING

No interference with deflection cones, filter yokes or other obstructions that absorb pulse cleaning energy and diminish cartridge filter cleaning.

3. CLEANS FULL LENGTH OF CARTRIDGE

Maximizes entire cartridge surface cleaning area.

AT ANY POINT ALONG THE CARTRIDGE FILTER, THE SFC UNIT PROVIDES 25% GREATER PULSE CLEANING POWER VS. COMPETITION.

DIMENSIONS AND SPECIFICATIONS.

SFC Models	Filter Quantity	Total Filter Media Area (FT ²)	Valve Quantity	Module Quantity	Unit Weight	Compressed Air Consumption		Height	Width	Depth
					(LBS)	SFC/PULSE	SCFM 6P/Min			
SFC 2 - 2 - SD	2	510	2	1	954	1.7	10.2	7' 8"	2' 1"	5' 1"
SFC 4 - 2 - SD	4	1020	4	1	1317	1.7	10.2	7' 8"	3' 11"	5' 1"
SFC 6 - 2 - SD	6	1530	6	1	1726	1.7	10.2	7' 8"	5' 9"	5' 1"
SFC 2 - 2 - DD	2	510	2	1	890	1.7	10.2	5'10"	2'1"	5'1"
SFC 6 - 3 - SD	6	1530	6	1	1726	1.7	10.2	9'4"	3'11"	5' 1"
SFC 8 - 2 - H55	8	2040	4	1	1922	1.7	10.2	10' 3"	4' 1"	7' 2"
SFC 16 - 2 - H55	16	4080	8	2	3237	3.4	20.4	10' 3"	7' 10"	7' 2"
SFC 24 - 2 - H55	24	6120	12	3	4552	5.1	30.6	10' 3"	11' 7"	7' 2"
SFC 32 - 2 - H55	32	8160	16	4	5947	6.8	40.8	10' 3"	15' 4"	7' 2"
SFC 12 - 3 - H55	12	3060	6	1	2420	1.7	10.2	11' 11"	4' 1"	7' 2"
SFC 24 - 3 - H55	24	6120	12	2	4016	3.4	20.4	11' 11"	7' 10"	7' 2"
SFC 36 - 3 - H55	36	9180	18	3	5612	5.1	30.6	11' 11"	11' 7"	7' 2"
SFC 48 - 3 - H55	48	12240	24	4	7288	6.8	40.8	11' 11"	15' 4"	7' 2"
SFC 60 - 3 - H55	60	15300	30	5	8884	8.5	51	11' 11"	19' 1"	7' 2"
SFC 72 - 3 - H55	72	18360	36	6	10480	10.2	61.2	11' 11"	22' 10"	7' 2"
SFC 16 - 4 - H55	16	4080	8	1	2873	1.7	10.2	13' 7"	4' 1"	7' 2"
SFC 32 - 4 - H55	32	8160	16	2	4762	3.4	20.4	13' 7"	7' 10"	7' 2"
SFC 48 - 4 - H55	48	12240	24	3	6651	5.1	30.6	13' 7"	11' 7"	7' 2"
SFC 64 - 4 - H55	64	16320	32	4	8620	6.8	40.8	13' 7"	15' 4"	7' 2"
SFC 80 - 4 - H55	80	20400	40	5	10509	8.5	51	13' 7"	19' 1"	7' 2"
SFC 96 - 4 - H55	96	24480	48	6	12398	10.2	61.2	13' 7"	22' 10"	7' 2"
SFC 112- 4 - H55	112	28560	56	7	14367	11.9	71.4	13' 7"	26' 7"	7' 2"
SFC 128- 4 - H55	128	32640	64	8	16256	13.6	81.6	13' 7"	30' 4"	7' 2"

ADDITIONAL FEATURES AND BENEFITS.

Heavy-duty Lifting Lugs

Ensure safe and secure reinforcement during installation.

Powder Coated Finish

All components have electrostatically applied paint that prevents fading and chalking.

Modular Design

Provides flexibility to increase unit capacity by adding modules at your facility.

Optimized Cartridge Cleaning System

Springless pulse valves and optimized nozzle/venturi offer maximized cleaning power.



QUICK AND EASY MAINTENANCE.

With one simple movement of the handle, the SFC's patented "Quickseal" release door provides extremely fast filter removal and maintenance.



Horizontal Filters

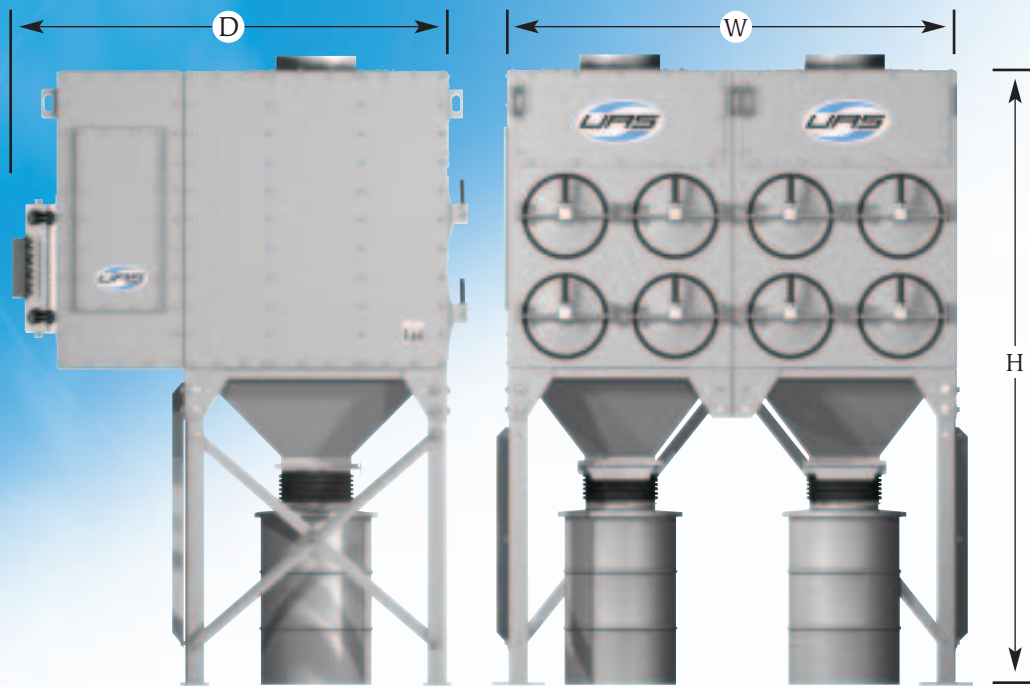
Enable cartridge rotation and limits dust release when replacing filters.

Heavy-duty Supports

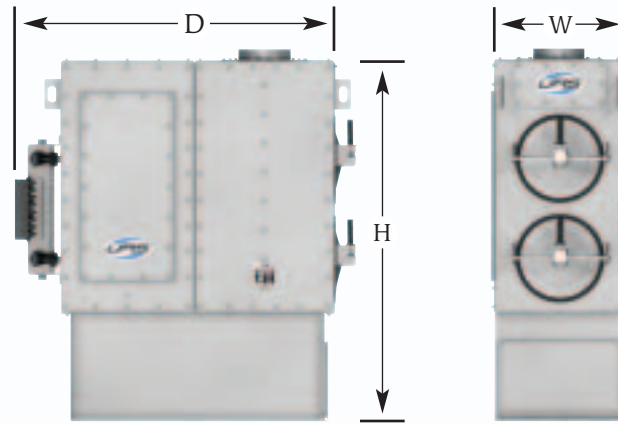
Designed and manufactured to meet Seismic Zone 4 and 100 mph wind load structural rating.



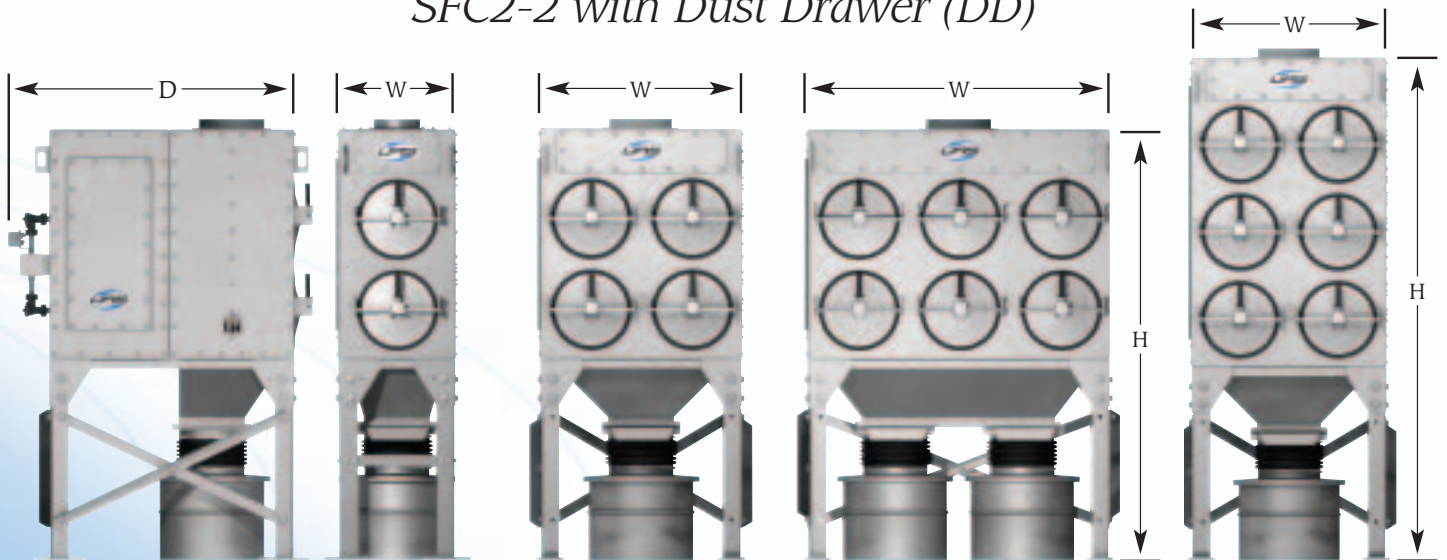
Clean air. It's what we do.



SFC8-2 and Larger with Drum (H55)



SFC2-2 with Dust Drawer (DD)



SFC2-2

SFC4-2

SFC6-2

SFC6-3

with Short Drum (SD)



Clean air. It's what we do.

WHY CHOOSE UNITED AIR SPECIALISTS?

A world-renowned reputation. For more than 35 years, we've been the industry leader in air quality technology — a proven track record that speaks for itself.

Commitment to quality products. Measuring our quality against documented expectations, we practice continuous improvement methods to anticipate challenges and implement successful solutions.

Unparalleled customer support. As a customer-driven solutions provider, we earn credibility and establish successful relationships by exceeding expectations for professional service and attitude.

Innovative technical leadership. Always, we keep technology at the forefront — ensuring continuous product advancements through ongoing investments in design and manufacturing.



Clean air. It's what we do.

4440 Creek Road, Cincinnati, Ohio 45242 USA
1-800-252-4647 www.uasinc.com
AN ISO9001 CERTIFIED COMPANY

SFC SERIES

A REVOLUTIONARY APPROACH TO industrial dust COLLECTION.

Welcome to a revolution in industrial air cleaning. Because now the experts at United Air Specialists — the leader in air quality technology for more than 35 years — bring you our most innovative dust collector yet . . . the SFC Series.

SFC is our newest downward flow cartridge dust collection system. With its advanced pulse cleaning technology, greater air capacity and quick and easy maintenance, there's no better air filtration method for your manufacturing facility.

Our SFC unit removes harmful pollutants resulting from common manufacturing processes — such as grinding, welding, buffing and sanding. The result: a safer, cleaner environment for your employees. By using our SFC unit, you're virtually eliminating air quality concerns in the workplace. Plus, you're ensuring increased employee productivity, fewer absences and illnesses, more efficient cleaning, and significant operational savings.



A WIDE RANGE OF APPLICATIONS.

The high-performance SFC unit is ideal for all your dust collection needs. Filtering out the polluted air that commonly occurs within a manufacturing environment, SFC's many industrial applications include grinding, welding, buffing, sanding, smelting, powder bulking, and more. Plus, our design allows for field expandability — so you can add modules and increase the capacity of your system at any time.



Clean air. It's what we do.



FILTERS.

Engineered with a variety of application-specific filter media, all SFC filters provide high filtration efficiency and long filter life. Additionally, unlike competitive units, SFC filters are compatible with other manufacturers' downward flow cartridge dust collectors. This ensures increased flexibility and lower maintenance costs. Our wide range of filters include:

Cartridge Filter Type	Description	Media Area (Sq Ft/Filter)	General Usage	Typical Application
Standard (Supra-Net-Max)	High-efficiency	255	For most applications. Temp. limit 180° F.	Abrasive blasting, carbon black, powder paints, dry chemical processing, pharmaceuticals, etc.
Fire Retardant (Supra-Net-Max FR)	High-efficiency treated to be fire retardant.	255	For applications where live sparks could enter the dust collector. Temp. limit 180° F.	Welding, flame cutting, plasma cutting, laser cutting, metal spraying, ferrous metal grinding, etc.
Wide Pleat (Supra-Fibrous-Max)	High-efficiency with wide spacing for better dust release	127	For applications where larger or irregularly shaped particles may enter the collector. Temp. limit 180° F.	Fiberglass and composites grinding, leather finishing, grain handling, buffing, tobacco processing, wood sanding, etc.
Wide Pleat Fire Retardant (Supra-Fibrous-Max FR)	High-efficiency with wide spacing for better dust release, treated to be fire retardant	127	For applications where live sparks or irregularly shaped particles may enter the dust collector. Temp. limit 180° F.	Coarse grinding of ferrous metals, etc.
Washable (Supra-Fibrous-Max FW)	High-efficiency with wide spacing that includes special washable media	127	For applications with larger particles or with hygroscopic or agglomerative dusts. Filter can be washed and re-used. Max temp. 275° F.	Salt, sugar, clay cocoa, coffee, detergents, milk powder, stearates, etc.
Spun-Bond (Supra-Release-Max P)	High-efficiency, proprietary blend of spun-bond polyester fibers	123	For applications where high strength media and excellent release characteristics are required. Max temp. 245° F.	Cardboard, cement, cocoa, coffee, paper, rubber grinding, etc.
Spun-Bond PTFE (Supra-Release-Max T)	High-efficiency, proprietary spun bond polyester substrate with a polytetrafluoroethylene (PTFE) surface membrane	123	For applications demanding extremely high filtration efficiencies or difficult dust cake release requirements. Max temp. 245° F.	Food, asbestos, pesticides, fluidized bed dryers, agglomerating materials, etc.

OPTIONS AND ACCESSORIES.

- **Return Air Safety Filters** — used when air is recirculated into the plant or when collecting hazardous dusts, ensuring that clean air is continuously discharged from the unit.
- **Pressure Relief Panel** — minimizes damage and provides a degree of personal protection in the unlikely event of an explosion that may result when collecting explosive dusts.
- **Abrasive Inlet** — prevents filter media damage when collecting highly abrasive dusts.
- **Bag-Out Collar** — provides clean, safe, easy removal of fine, hazardous or difficult-to-handle dusts.
- **Silencer Package** — duct-type silencer reduces unit noise level to 80 dBA or less under normal operating conditions.

• Additional Options/Accessories

- After-Filters
- Fans
- Leg Extensions
- Drum Lid Latch Kit
- Bin Vents
- Short Drums
- Drawer Base
- Steep Sided Hoppers
- Service Platforms
- Control Panels
- Photohelic© Gage Controls
- Pneumatic Valve Assemblies
- Hopper Access Doors
- Sprinkler Heads
- Thermal Protection Kits

Other options and accessories available. Contact UAS for assistance.

