

SDC Series

SELF CONTAINED SHAKER COLLECTORS



SDC Series



Highly Effective Self-Contained Shaker Dust Collectors

The DustHog® SDC Series of shaker dust collectors from UAS are ideal for intermittent processes. Available in multiple configurations, the SDC offers the flexibility and versatility needed to remove harmful pollutants resulting from common manufacturing processes in both institutional and industrial applications.

These shaker-style systems safely and effectively collect airborne pollutants captured at the source helping ensure the safety of employees and students while achieving OSHA and NFPA regulatory compliance for combustible or explosive dusts. The SDC's proven performance in removing up to 99% of dust by weight will keep your facility cleaner which improves product quality, reduces maintenance time and ultimately, leads to operational savings.

The compact, self-contained design takes up very little floor space and reduces installation costs resulting in a convenient and economical solution. Achieve even further operational savings due to the high-frequency vibratory cleaning system that eliminates the need for costly compressed air. This system's user-friendly, tool-free filter sealing mechanism makes routine inspections and filter change-outs quick and easy.

DUST HOG

Features & Benefits

Integral Fan Package

Configurable to match your specific flow and pressure requirements. Comes standard with airflow control device to extend filter life. Silencer can be added to reduce noise.

Modular Construction

Design allows for field expandability so you can add modules and increase the capacity of your system at any time.

Easy Filter Maintenance

Hinged access door and filter sealing mechanism facilitates quick, easy and tool-free filter installation and replacement.

Powder-Coated Finish

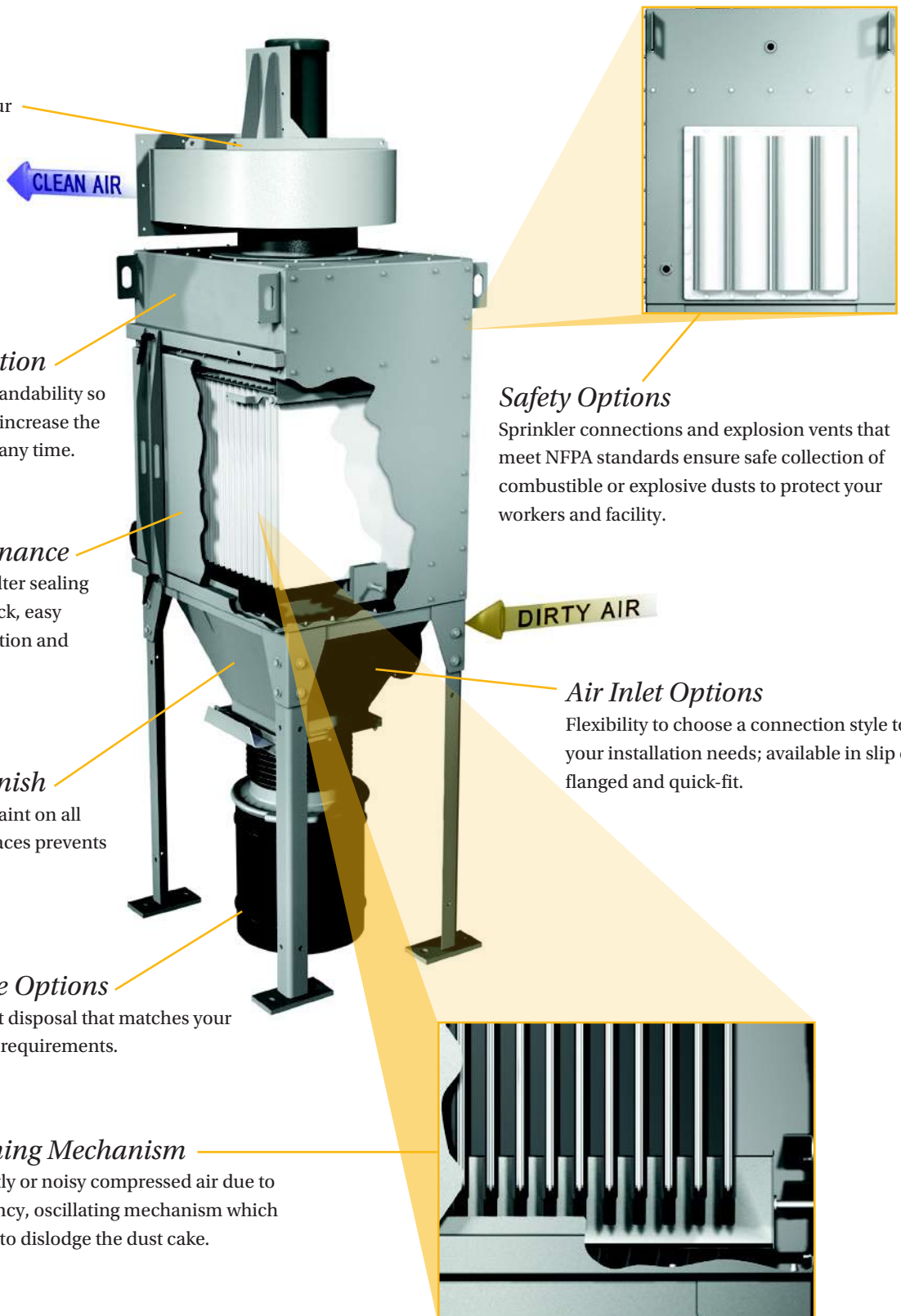
Electrostatically applied paint on all interior and exterior surfaces prevents fading, chalking and rust.

Multiple Discharge Options

Allows for convenient dust disposal that matches your process and your facility's requirements.

Filter Cleaning Mechanism

No need for costly or noisy compressed air due to the high-frequency, oscillating mechanism which shakes the filter to dislodge the dust cake.



Safety Options

Sprinkler connections and explosion vents that meet NFPA standards ensure safe collection of combustible or explosive dusts to protect your workers and facility.

Air Inlet Options

Flexibility to choose a connection style to match your installation needs; available in slip collar, flanged and quick-fit.

Technical Specifications, Add-Ons & Filter Options

SDC System Specifications

SDC Model #	Media Area (ft. ²)	Nominal Airflow Range (CFM)	HP Options
SDC-140	141	420 – 1,120	2, 3
SDC-210	211	630 – 1,680	3, 5
SDC-280	281	840 – 2,240	3, 5, 7-1/2
SDC-350	343	1,050 – 2,800	3, 5, 7-1/2
SDC-420	421	1,260 – 3,360	5, 7-1/2, 10, 15
SDC-560	562	1,680 – 4,480	7-1/2, 10, 15, 20
SDC-700	686	2,100 – 5,600	15, 20, 25, 30
SDC-840	843	2,520 – 6,720	20, 25, 30
SDC-1050	1,029	3,150 – 8,400	25, 30

Add-Ons

- Fans / Dampers / Silencers
- Drum Lid Options
- 20- or 55-Gallon Drums
- Drawer Base
- Sprinkler Connection Points
- Slide Gates
- Explosion Vent (Membrane)
- Hopper Access Doors
- Slip or Flanged Inlet Collars
- VFDs
- Magnehelic® Gauge
- Motor Starters

Filter Options

Media	Special Characteristics	Applications	Maximum Operating Temperature
Polyester Sateen*	Woven polyester sateen media which provides a good balance of efficiency and durability	Suitable for use in general applications for most wood working, plastics or paper dusts	275° F / 135° C
Polyester Twill	Polyester twill weave provides a smooth filter surface that enhances dust release characteristics	Applications where some dust agglomeration or fibrous, stringy dusts may be present	275° F / 135° C
Polyester Twill HO	Polyester twill weave provides a smooth filter surface that enhances dust release characteristics along with a hydro-oleophobic treatment for some protection from moisture	Use where moisture or oils may be present within the airstream or collected dust	275° F / 135° C
PTFE Membrane	Woven polyester sateen media with a PTFE membrane applied to the surface provides exceptional efficiencies and excellent dust release characteristics	Highly recommended for chemical, food and industrial processing when product contamination must be minimized. Excellent performance on moist, hygroscopic or agglomerative dust.	275° F / 135° C

* Polyester Sateen comes standard on all SDC units. Other medias including high-temperature Nomex and conductive medias are also available.

Configured To Meet Your Needs



The DustHog® SDC Series is an engineered to order solution built to meet your specific requirements. The modular construction allows for field expandability so you can add modules and increase the capacity of your system at any time if your needs change. With our multiple discharge options, you can select the hopper or drum arrangement that best meets your needs or budget. Convenient dust disposal styles range from 20- or 55-gallon drums, bin vents or custom configurations. Protect your equipment investment, employees and facility with our safety options: sprinkler connections and explosion venting that meets NFPA standards for regulatory compliance.

For the dirty air inlet, choose from slip collar, flanged or quick-fit duct connection styles to best suit your facility set up. By adding the silencer option to your system, you can place the unit in noise sensitive areas while protecting your workers and students and complying with OSHA noise limits. And, with multiple airflow control options, you can increase your operational savings by extending the filter life of your system.



The DustHog SDC Series: A performance-driven solution

- Safer Work Environment—Improves indoor air quality by removing airborne pollutants while helping to ensure regulatory compliance.
- Energy Savings—Cleaned plant air can be recirculated to reduce exhaust and energy costs.
- Easy Maintenance—Self-cleaning system and simple tool-free filter replacement.
- Self-Contained System—Unit arrives with everything necessary to begin collecting dust.
- Compact Design—Conserves valuable floor space and the unit can be located next to machinery.
- Quiet Operation—Backward-inclined blower wheel improves operating efficiency and reduces unnecessary noise.
- Flexible Performance—Designed to meet your exact requirements.



UAS is committed to providing clean air solutions that protect your employees, improve plant performance and enable you to realize your operating goals.

Our commitment is backed by continuous investment in research, leading-edge technology and product development, our people whom are the most knowledgeable in the industry, and a product portfolio that is proven to deliver results. We have been solving problems for you, our customers across the globe for over 50 years.

Typical Applications

Institutional

- Technical Schools
- Trade Schools
- Vocational Schools

Industries

- Ceramics
- Food Processing
- Furniture
- Plastics
- Pulp and Paper
- Rock and Related Products
- Rubber
- Woodworking

Processes

- Bin Ventilation
- Buffing
- Grinding
- Mixing
- Packaging
- Polishing
- Sanding
- Sawing

Important – Understand and follow NFPA guidance in selecting equipment for your intended application, including required safety devices and testing your dust to determine combustion hazards. At your election, we can coordinate sample collection and testing.

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