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Industrial Gas Filtration and Generation Division
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SDC Series
SELF CONTAINED SHAKER DUST COLLECTORS

Parker Hannifin 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 who 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
• Mining
• Packaging
• Polishing
• Sanding

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.

Configured To Meet Your Needs

The DustHog SDC Series is engineered to order solutions 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 as your needs change. With our multiple discharge options, you can select the hopper or drum arrangement that best meets your needs or budget. Consistent dust disposal styles range from 30- or 50-gallon drums, bin vents or custom configurations. Protect your equipment investment, employees and facility with our safety options: spillable drums and explosion vents that meet 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.

• 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.

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The DustHog SDC Series: A performance-driven solution

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Engineering Your Success.

Engineering Your Success.
**Features & Benefits**

**Integral Fan**

Conforms to match your specific flow and pressure requirements. Custom standard with airflow control device to ensure 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. This system’s user-friendly, tool-free filter sealing mechanism makes routine inspections and filter change-outs quick and easy.

**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 and exterior rust. Electrostatically applied paint on the surface provides exceptional dust release characteristics along with a smooth filter surface that enhances airflow and dust release characteristics.

**Multiple Discharge Options**

Allows for continuous dust disposal that minimizes your process and your facility’s requirements.

**Filter Cleaning Mechanism**

Suits for coarse or very coarse compressed air due to the high frequency, oscillating mechanism which shakes the filter to dislodge the dust cake. The high-frequency vibratory cleaning system that eliminates the need for costly compressed air.

**Safety Options**

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

**Air Inlet Options**

Flexibility to choose an air suction style to match your installation needs, available in slip collar, flanged and quick-fit.

**Filter Options**

Polyester Sateen®

- Used in general applications with airflow and pressure requirements.
- Suitable for use in general applications. Such as wood working, plastics or paper dusts.

Polyester Twill

- Suits for coarse to very coarse dusts. The surface provides exceptional dust release characteristics along with a smooth filter surface that enhances airflow and dust release characteristics.

PTFE Membrane

- Highly recommended for chemical, food and industrial processing where product contamination must be minimized. Excellent performance in moist, hygroscopic or agglomerative dust.

**SDC System Specifications**

<table>
<thead>
<tr>
<th>SDC Model</th>
<th>Nominal Area (ft²)</th>
<th>Nominal Airflow Rate (CFM)</th>
<th>HP Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>SDC-140</td>
<td>140</td>
<td>400 – 1,120</td>
<td>2.3</td>
</tr>
<tr>
<td>SDC-210</td>
<td>210</td>
<td>620 – 1,880</td>
<td>3.5</td>
</tr>
<tr>
<td>SDC-280</td>
<td>280</td>
<td>940 – 2,740</td>
<td>5.5, 7.5HP</td>
</tr>
<tr>
<td>SDC-340</td>
<td>340</td>
<td>1,180 – 3,510</td>
<td>5.5, 7.5HP</td>
</tr>
<tr>
<td>SDC-420</td>
<td>420</td>
<td>1,360 – 3,916</td>
<td>7.5, 10, 15</td>
</tr>
<tr>
<td>SDC-500</td>
<td>500</td>
<td>1,580 – 4,480</td>
<td>7.5, 10, 15</td>
</tr>
<tr>
<td>SDC-600</td>
<td>600</td>
<td>2,100 – 5,616</td>
<td>15, 20, 25, 30</td>
</tr>
<tr>
<td>SDC-840</td>
<td>840</td>
<td>2,520 – 6,720</td>
<td>20, 25, 30</td>
</tr>
<tr>
<td>SDC-1,020</td>
<td>1,020</td>
<td>3,150 – 8,400</td>
<td>20, 30</td>
</tr>
</tbody>
</table>

**Filter Options**

<table>
<thead>
<tr>
<th>Filter Options</th>
<th>Special Characteristics</th>
<th>Applications</th>
<th>Maximum Operational Temperature</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polyester Sateen®</td>
<td>Polyester twill media which provides a good balance of efficiency and durability.</td>
<td>Suitable for use in general applications for most wood working, plastics or paper dusts.</td>
<td>270° F / 135° C</td>
</tr>
<tr>
<td>Polyester Twill</td>
<td>Polyester twill fabric which promotes dust release characteristics.</td>
<td>Suitable for use in general applications for moist, hygroscopic or agglomerative dusts.</td>
<td>270° F / 135° C</td>
</tr>
<tr>
<td>Polyester Twill HD</td>
<td>Polyester twill fabric which promotes dust release characteristics along with a hydro-oleophobic treatment for some protection from moisture.</td>
<td>Use where moisture or oil may be present within the airstream or collected dust.</td>
<td>270° F / 135° C</td>
</tr>
<tr>
<td>PTFE Membrane</td>
<td>Polyester twill media with a PTFE membrane applied to the surface provides exceptional efficiencies and excellent dust release characteristics.</td>
<td>Highly recommended for chemical, food and industrial processing where product contamination must be minimized. Excellent performance in moist, hygroscopic or agglomerative.</td>
<td>270° F / 135° C</td>
</tr>
</tbody>
</table>