



News Release

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Industrial systems available from two to 128 filter cartridges

All New High Performance Downward Flow Dust Cartridge Collection Line Features Innovative Pulse Cleaning Technology and 25% Lower Operational Cost

CINCINNATI, OH — August 6, 2003 — The all new SFC line of high performance downward flow industrial cartridge dust collectors from United Air Specialists, Inc. (UAS), features innovative pulse cleaning technology, and a 25 percent lower operational cost with quick and easy maintenance on the powder coated steel structure. The new design features innovative pulse cleaning technology that thoroughly and efficiently removes (pulses off) collected dust and harmful pollutants the full length of the filter cartridge with each compressed air blast.

Through the use of computational fluid dynamics, the new design features unobstructed airflow for increased filter cleaning power with less energy. This was achieved through the use of filter support tracks instead of yokes, a larger air capacity chamber and lower compressed air pulse velocity that reduces cartridge abrasion, significantly lengthens filter life, and reduces overall operational costs by 25 percent. In addition to superior workplace air quality, users gain significant maintenance labor and filter cost savings over traditional systems that require more frequent filter changes at 1,000 to 2,000 operational hours.

Through the use of electrostatically applied powder coated paint that prevents fading, chalking and eventual rust, the UAS SFC line of downward flow dust collectors is able to provide a ten-year warranty on the entire steel support and structure.

UAS SFC Downward Flow Cartridge Dust Collection systems are designed to efficiently remove dust particles as small as 3 microns in a wide variety of industrial and manufacturing processes. Typical applications range from abrasive blasting, wood sanding, welding and metal grinding to those that use hygroscopic or agglomerative dusters (salt, sugar, cocoa, detergent processing, etc.). In addition to standard high-efficiency media, special application fire retardant, washable, and spun-bond polyester filter media are also available.

Filters compatible with existing UAS and competitive equipment. All SFC filters (26 inches long, 13 1/2 inches in diameter) are fully compatible with UAS and most installed downward flow cartridge dust collectors from other manufacturers.

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Field expandable. Modular in design, UAS SFC systems can range from two filter cartridges on up to large 128 filter cartridge capacity systems. Expansion modules can easily be added to increase system capacity as needed.

Quick, easy filter removal/maintenance. One simple handle movement on the SFC's Quickseal cartridge release door permits fast filter removal and maintenance.

Additional SFC system features include:

- Support structures that meet Seismic Zone 4 and 100-mph wind loads.
- Horizontal filters that prevent dust release during cartridge filter replacement.
- Pulse valves without springs to ensure durability and long-lasting performance.

Options and accessories include:

- Return air safety filters for use when air is re-circulated into the plant, or when collecting hazardous dusts, to ensure that clean air is continuously discharged from the unit.
- A pressure relief panel to minimize damage and provide personal protection in the unlikely event of an explosion when collecting explosive dusts.
- Abrasive inlet to prevent filter media damage when collecting highly abrasive dust.
- Bag-out collar that ensures clean, safe, easy removal of fine, hazardous or difficult to handle dust.
- Duct silencer that reduces operating noise levels to 80 dBA, or less.

For more than 35 years, United Air Specialists, Inc. has been the industry's leading manufacturer of technologically innovative, high-performance air filtration systems for a wide range of industrial and commercial environments. UAS' industrial dust collection systems include: Downward Flow, Cross-Ventilation, Intermittent Duty and Portable units. For industrial mist collection, the company has a complete line of electrostatic precipitators. United Air Specialists, Inc., www.uasinc.com, is a CLARCOR company.

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Editors Note: A copy of this release in Word, and accompanying photos of the UAS SFC Downward Flow Cartridge Dust Collector, and full color cross-section of the new SFC pulse cleaning technology (300 dpi) can be downloaded 24/7 at <http://www.malonead.com/prdriver>. Captions are included on page 3 of this document.

Captions for UAS SFC Downward Flow Dust Cartridge Collection Photos

Photo #1

The all new SFC line of high-performance downward flow cartridge dust collectors from United Air Specialists, Inc. features industrial systems from two to 128 filter cartridge capacity.

Photo #2

Designed with computational fluid dynamics, the new SCF line of downward flow cartridge dust collectors features advance pulse cleaning technology that thoroughly and efficiently removes (pulses off) collected dust the full length of the filter cartridge with each compressed air blast. This innovative design from United Air Specialists, Inc., reduces cartridge abrasion, significantly lengthens filter life, and reduces overall operational costs by 25 percent.

Photo #3

The high-performance SFC Series of downward flow cartridge dust collectors from United Air Specialists, Inc. are ideal for a wide variety of industrial applications including grinding, welding, buffing, sanding, smelting, powder bulking, and many more. The design allows for field expandability to increase capacity at any time.