

DUST-HOG
DUST COLLECTION SYSTEMS

SUPRA-CONIC *dust collector*

the FUTURE of CLEANER AIR

future

pulse power

*breakthrough
filter design*



UAS
UNITED AIR SPECIALISTS, INC.
a CLARCOR company

Clean air. It's what we do.

The Future of Dust Collection is Taking a New Shape



The Supra-Conic product line offers three models to meet the broad range of air volume requirements needed in simple to complex applications.

United Air Specialists, Inc. (UAS) is shaping the future of dust collection technology with the DUST-HOG® Supra-Conic dust collection system. The DUST-HOG Supra-Conic is a small cabinet cartridge collector engineered with a combination of features never before available.

The Supra-Conic does more than remove harmful dust. It uses the most advanced filter cleaning technology to provide a cleaner, safer, more productive work environment and safeguard employee health.

LOADED WITH PERFORMANCE FEATURES

The DUST-HOG Supra-Conic is the first intermittent-duty, cartridge dust collector to put compressed air pulse cleaning to work in a patent-pending design that incorporates a cone-shaped filter and an exclusive air distribution insert. This unique combination of features offers ultra-effective air filtration and extended filter life. Designed to outperform any other cartridge-type or mechanical shaker unit, the Supra-Conic leaves the competition in the dust.

A NEW SLANT ON DUST COLLECTION

The Supra-Conic filter is tapered from top to bottom with a wide mouth at the tubesheet which lowers pressure drop and provides more loading capacity. The cageless, conical filter presents up to 40% more media surface area than other filter designs. More surface area means lower air-to-media ratios and extended filter life. Plus, the position of the filter in the Supra-Conic unit allows gravity to aid in particle removal, making the system even more efficient.

A COMPACT, ADAPTABLE DESIGN

This self-contained, compact unit incorporates the same technology and air cleaning power as larger cartridge collectors. The Supra-Conic is perfect for low air volume applications (400-3,600 CFM) where the dust collection system can easily be placed next to the pollution source. The Supra-Conic is ideal for metalworking and woodworking shops, as well as applications involving composites, powders, precious metals and pharmaceuticals. Three models - SC600, SC1700 and SC3400 - ensure that a Supra-Conic is available to meet your specific needs.

Application	Dust Source
Composites	buffing, grinding and polishing of dental and optical materials, ceramics, plastics
Metalworking	buffing, grinding, polishing
Powders	blending, filling, material handling, packaging, screening, weighing
Precious Metals	jewelry buffing and polishing
Woodworking	finishing, sanding, sawing

AIR DISTRIBUTION TARGETS PULSING POWER

To maximize pulse power and increase removal of collected dust particles, UAS developed the Supra-Conic air distribution insert. This patent-pending feature equalizes the velocity of the compressed air blast across the entire length of the filter, ensuring complete, high-efficiency cleaning. A built-in air compressor provides pulsing power where no compressed air source is available.



The Supra-Conic cageless, cone-shaped filter with exclusive air distribution insert optimizes dust release and extends filter life.



The Supra-Conic's advanced design eliminates the need for multi-stage filtration required in mechanical shaker models. A first-stage prefilter, available as an option, is recommended only for applications involving large, fibrous particles.

READY TO INSTALL, EASY TO MAINTAIN

The DUST-HOG Supra-Conic arrives assembled, ready to install and put to work immediately. Periodic maintenance is just as simple. A high capacity dust drawer allows for easy disposal of collected particles. Filter replacement on the Supra-Conic is less time consuming, less expensive and simpler than other cartridge filter or mechanical shaker units. Supra-Conic's lift-and-lock filter design makes replacement user friendly.

BREATHE EASIER WITH UAS

With DUST-HOG dust collection systems and SMOG-HOG® air cleaning systems, UAS has established itself as the leader in providing air cleaning solutions. UAS offers a diverse dust collection product line and other clean air solutions backed by decades of air cleaning experience. You can count on DUST-HOG and UAS for experience and innovation in air cleaning technology. Contact UAS for clear solutions to your air filtration needs.

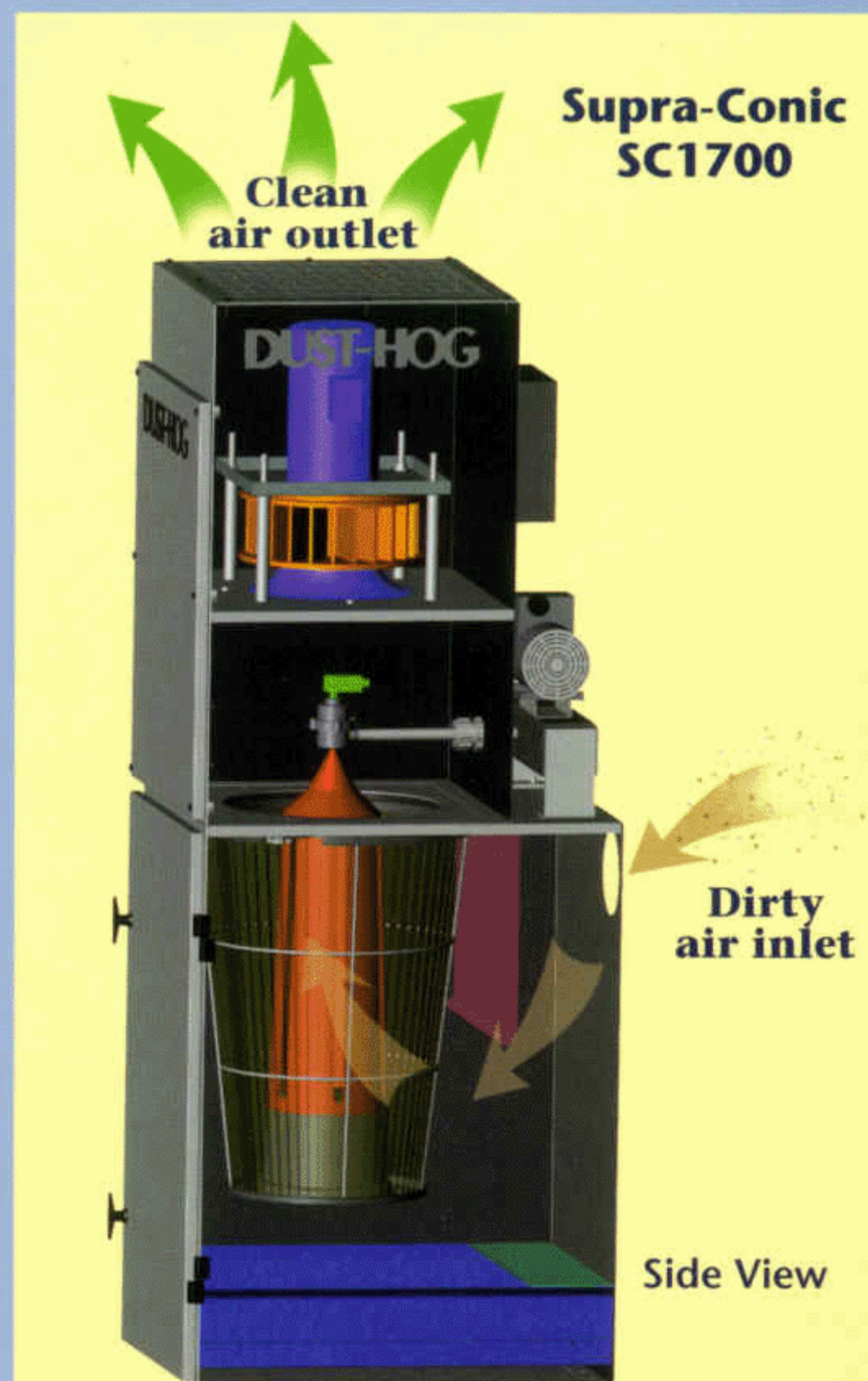


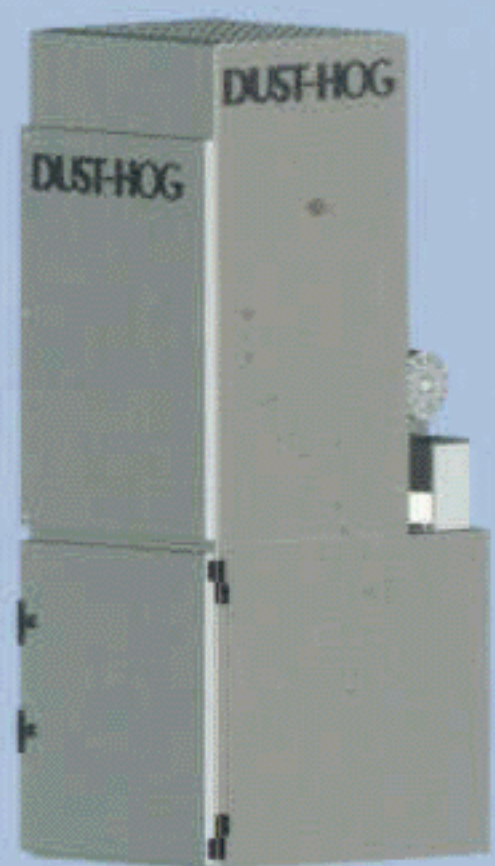
Airborne grit, fibers and rouge powders are eliminated when a buffing station is ducted to a Supra-Conic SC600.

Supra-Conic Benefits:

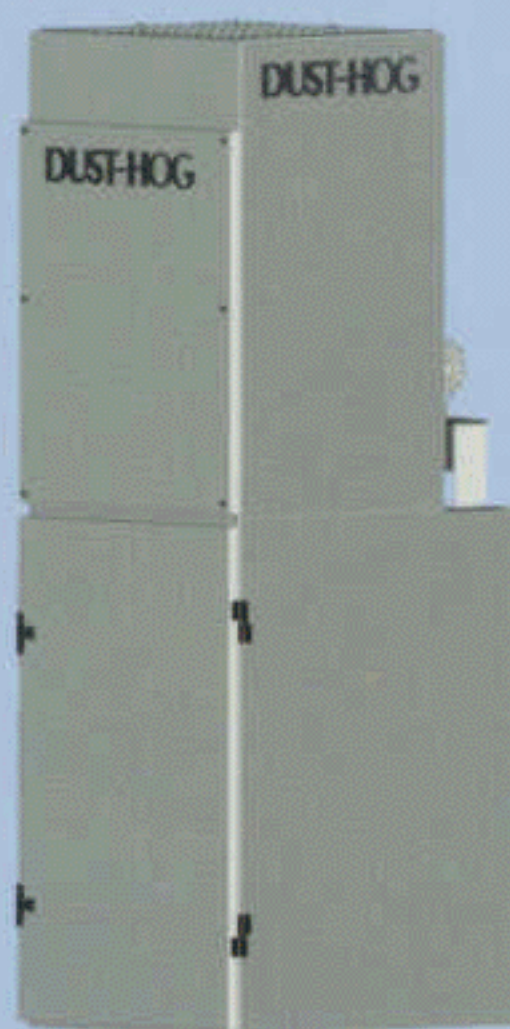
You won't find all these benefits together in any other intermittent-duty dust collector:

- ▶ Small cabinet design offers flexibility in positioning unit close to the dust source, saving valuable floor space
- ▶ Compressed air pulse cleaning removes more particles per cleaning cycle than outdated mechanical shaker units
- ▶ Standard unit includes built-in air compressor to supply power for pulse cleaning
- ▶ Patent-pending air distribution insert equalizes velocity of compressed air blast and increases removal of collected particles
- ▶ Unique conical filter offers up to 40% more surface area than traditional filters
- ▶ Unit arrives assembled, ready to install and use
- ▶ Standard inlet baffle above dust drawer prevents particle re-entrainment
- ▶ High capacity dust drawer means easy disposal of collected particles
- ▶ Backward-inclined fan generates greater airflow and higher static pressure at equal horsepower for more efficient, quieter operation
- ▶ Unique acoustic sound attenuation means quiet operation





SC600



SC1700



SC3400

Supra-Conic Specifications

Model Designation	Air Volume (CFM)	External Static Pressure*	Number of Filters	Supra-Conic Filter Area	Fan Horsepower	Standard Inlet Diameter	Dust Drawer Storage	Standard Height	Standard Width	Standard Depth	Standard Unit Weight
SC600	400 - 700	5.8 - 4.25	1	70 sq. ft.	1.5 HP	3" - 6"	1.8 cu. ft.	5' 1"	1' 9 7/8"	2' 5 1/4"	283 lbs.
SC1700	700 - 1,800	7.2 - 4.8	1	192 sq. ft.	3 HP	4" - 9"	1.8 cu. ft.	6' 5"	2' 7/8"	2' 8 1/4"	395 lbs.
SC3400	1,800 - 3,600	9.7 - 4.1	2	384 sq. ft.	7.5 HP	5" - 12"	3.6 cu. ft.	6' 7 1/2"	4' 3 3/4"	2' 11 1/4"	685 lbs.

* " w.g.

Options and Accessories

Options	SC600	SC1700	SC3400
55 gallon drum (7.5 cu. ft.)		▶	▶
Casters	▶	▶	
Custom inlet collars	▶	▶	▶
Custom paint colors	▶	▶	▶
Downdraft bench		▶	
Drum lid latch kit	▶	▶	▶
Dust re-entrainment baffle	▶	▶	▶
Exhaust air safety and HEPA afterfilters	▶	▶	▶
Hopper assembly with 5 gallon pail	▶		
Hopper assembly with 30 gallon shortened drum		▶	▶
Hopper assembly for 55 gallon drum		▶	▶
Hopper outlet slide gate		▶	▶
Magnehelic® Gage package	▶	▶	▶
Motor voltage options	▶	▶	▶
Prefilter	▶	▶	▶
Prewired motor starter with transformer	▶	▶	▶
Vertical side inlet transition		▶	▶



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