

Universal Silencer

**CLEAN THE INLET AIR.
CONTROL THE NOISE.
INCREASE THE POWER OUTPUT.**



Noise Control and Air Filtration

Universal Silencer specializes in industrial noise control and air filtration products for a wide variety of power, process, and pneumatic applications, such as engines, vents and blowdowns, safety relief valves, blowers, compressors, fans, and vacuum pumps.

Our custom-engineered systems have been installed on turbine models as diverse as:

- Solar Saturn, Centaur, Taurus, Mars, and Titan
- Allison 501 KB
- European Gas Turbines Typhoon
- General Electric LM6000, LM5000, and LM2500
- General Electric Frame 7, and Frame 5
- Westinghouse 501F, 501 D5, and 251 B 12
- ABB GT-1 1N1

Our noise control and air filtration products have been installed at hundreds of U.S. sites as well as locations such as Abu Dhabi, Venezuela, Brunei, and off-shore platforms in the North Sea.



Our new outdoor laboratory for pulse-clean filter testing is used to optimize media selection recommendations. Data collected outdoors under a variety of conditions is compared with data collected in the controlled environment of the Fleetguard/Nelson Product Development Center.

Universal Silencer has dedicated significant resources to the power generation industry and the treatment of inlet air, inlet noise, and exhaust noise for gas turbines. We draw from a talented, experienced staff of in-house application, design, and project engineers for a total systems approach, to give you a single

source for inlet and exhaust air handling, filtration efficiency, near-field and far-field noise guarantees, and reduced system pressure loss.

We have developed new high-efficiency air filters, and we now offer a low-cost, high-performance Acousti-Tube™ Gas Turbine Inlet Silencer as an alternative to classic parallel baffle designs. Our design and manufacture of a standard acoustical enclosure for the Pratt & Whitney Canada ST-18 package has provided our customer with a complete, single-source acoustic guarantee. Our Product Development Center conducts ongoing programs, including:

- Improved filter media for higher filtration efficiency and lower pressure loss
- Outdoor testing of self-cleaning and static air filtration systems under various dust load and ice load conditions
- Increased transmission loss across easier-to-construct, reduced-cost duct walls
- Optimized designs for safe, economical thermal walls that reduce the outer skin temperature of exhaust systems



Filter media for our new StrataClean™ gas turbine air filtration systems.

Acousti-Tube gas turbine inlet silencer.

608.873.4272

Internet E-mail: US@universal-silencer.com
 On the Web: www.universal-silencer.com

TECHNICAL SERVICES

Our complete in-house technical and manufacturing services simplify project tracking and delivery. Knowledgeable, experienced staff members carefully monitor your project from start to finish.



Universal Silencer maintains two modern manufacturing facilities that are fully equipped with state-of-the-art equipment and technology. The Muscoda plant has 108,000 sq ft of manufacturing and warehouse space. It is 28 ft high and has a lifting capacity of 60,000 lb. The Montello plant has 55,000 sq ft of manufacturing space, a 40-ft eave height, and a lifting capacity of 100,000 lb.

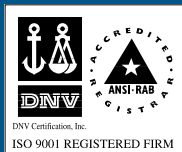


The operating philosophy of Universal Silencer employees is to meet and exceed customer needs and expectations for innovative product design, superior product quality, and unsurpassed support and service.





Our corporate headquarters are located in Stoughton, Wisconsin, just southeast of Madison, the state capital. This new building houses administration, sales, and engineering departments. Manufacturing facilities are in Muscoda, 75 miles west of Stoughton, and Montello, 70 miles north.



Our products have been used to protect, quiet, and optimize the performance of industrial equipment for almost 40 years. We maintain a fully equipped facility for testing filters and silencers under actual operating conditions. We are an ISO 9001 registered firm and ASME Code certified.

*Keeping
industrial equipment
clean and quiet.*

UNIVERSAL

NOISE CONTROL & AIR FILTRATION for gas turbines and industrial equipment

Contact us for more information about our complete line of industrial silencers and air filter/filter silencers:

- Gas turbines, catalog B-249-A
- StrataClean™ Air Filtration Systems, catalog 268
- StrataClean™ Pulse Air Filtration Systems, catalog 269
- StrataPore™ AB and SoliPore™ AB filter media for StrataClean, catalog 267
- StrataPore™ AC and SoliPore™ AB filter media for StrataClean Pulse, catalog 266
- Acousti-Tube™ Silencers, catalog 260
- Acousti-Tube™ Silencer Series, technical bulletin 94-1315
- Vent silencers, catalog 243-C
- Vent silencer specification sheet, form 88-0063
- Air filters and filter silencers, catalog 241-A
- Cartridge air filters and filter silencers, catalog 242-B
- CB compact blower silencers, catalog 255-A
- CBF/CBFI compact blower filter-silencers, catalog 261-A
- Reciprocating engines, catalog 246-A
- Rotary positive blowers, catalog 244-D
- Compressors, information provided by application
- Vacuum pumps, catalog 222-B
- Industrial fans, catalog 249-A
- Steam ejectors, pressure reduction valves, and other special applications

UNIVERSAL SILENCER

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