

Noise Control

PRICE[®]

www.price-hvac.com



Customer Service

With literally decades of combined Noise Control experience, the Price Noise Control Team has the knowledge and ability to effectively guide you through the toughest applications and projects.

We have the depth and service orientation you need to get your questions answered quickly, completely and correctly. Price has earned a well-deserved reputation for providing **the most in-depth Application Engineering support in the HVAC industry.** We bring this same approach and capability to the Noise Control industry.

Sound Recommendations

for Guaranteed Performance in Noise Control System Design

After almost a decade of experience, Price Noise Control has recently expanded our service offering for acoustic analysis and product recommendations, and are happy to introduce our Acoustic Predictive Analysis & Lay-in Services. Both of these are complimentary, and can be used jointly or separately. Based on the information provided, all reports and services are guaranteed to be accurate.

Acoustic Predictive Analysis (APA)

Once Price is provided with the drawings and mechanical specifications for your project, sound levels are calculated from a source, through a duct system, and into an occupied space such as an office or schoolroom. A comprehensive report is then provided to show the levels at points within the system with a resulting sound level for the space in question. This APA can be a valuable asset to engineers, either as a system for identifying potential noise issues within a design or as an additional service to their clients. This service can also be applied to equipment to analyze sound levels for potential environmental noise issues.

Lay-in Design Assistance

Price Lay-in Services can take the APA to the next level by suggesting product solutions to achieve a performance goal for sound levels as specified by the ASHRAE standard or by a project designer. Where our competitors can take up to three weeks to provide these services, **we will ensure delivery within a week's time.**

Price provides:

- Complete drawings with specified attenuators and placement within the system
- A mechanical equipment schedule
- A specification
- Sound analysis, complete with Noise Control levels in occupied spaces



To learn more or begin the Acoustic Analysis and/or Lay-in Services process on your project, please contact Cleve Doyen, Noise Control Product Manager at **(770) 623-8050** or **CleveD@price-hvac.com**.



Software

With the largest catalogue offering in the industry, Price identified the need for a user-friendly software to assist engineers, contractors and representatives in product selection. Price Silencer Selection Software is fully integrated into the latest edition of the All-In-One Software platform, and features:

- **Selection by Performance**
Selection by the required performance of the product
- **Selection by Criteria**
Selection based on the target Noise Criteria (NC), Room Criteria (RC), or dB levels for your design
- **Selection by Unknown Performance**
Provision of product options based on incomplete job details
- **Selection by Known Model**
Selection by model number
- **Silencer Ranking Engine**
Provides selections ranked according to cost, pressure drop and acoustic performance. Eliminates guesswork associated with catalog selections.
- **Revit Drawings**
Used by design engineers to quickly lay out systems that include Price products with .RFA files.

Please visit www.price-hvac.com/Software/AIO/ to download the complimentary Price All-In-One Software for Engineers and contact your Price account representative with any questions.

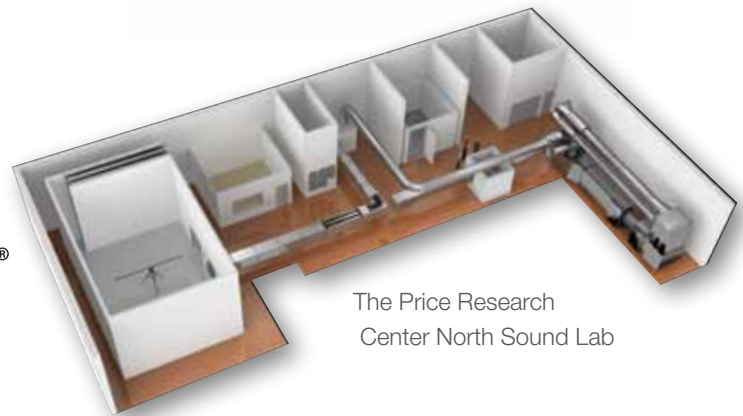
The Price Sound Lab

The Price Sound Laboratory is continuously involved in research and development and is currently the **most technologically advanced facility of its kind in the world**. The lab was designed to test a variety of air distribution products and **exceeds the most current ASTM E477 testing standard for silencers**. This superior effort to ensure quality testing enables us to guarantee that all Price products are cataloged with the utmost accuracy. We invite any interested parties to witness this testing first-hand, whether for our 3,000+ catalog products or a custom solution for your project.

We have the capability to test both silencers and HVAC construction materials - such as lined ducts, fans with silencers, air handling units, and more - and have found that witness testing provides our end users with confidence in the products, and confidence in Price.

“The lab is probably the most professional lab I’ve seen, and I’m impressed with the commitment to research and development. In fact, I hope to convince them to help me do some research I’ve been thinking about for a couple of decades.”

– David Greenberg,
President of Creative Acoustics



The Price Research
Center North Sound Lab

The Price Product Development Process (PPDP)

The Price Product Development Process (PPDP) has allowed us to produce a silencer line with the largest test matrices in the industry – all in a fraction of the time it would have taken without it. With a few simple steps, we can go from “Ideas to Innovations” in a matter of weeks, **allowing us to deliver custom silencer solutions for any project**.

Testing Certification

Price tests all products with the most current standards and testing.



Product Overview

Price manufactures and catalogs **the most extensive line of noise control products in the industry.** From our full line of rectangular, circular, elbow and specialty silencers to our revolutionary Terminal / Silencer integrated assembly, Price is leading the industry in providing high quality noise control products for any HVAC and most light industrial systems.

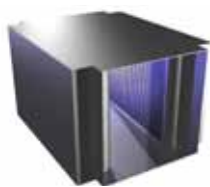
Absorptive Silencers

Price Absorptive Silencers are available with a number of options that allow them to be integrated into any HVAC system with ease.

All absorptive silencers have the option of **integrated polymer film lining.** If selected, a thin layer is applied around the internal acoustic media to protect it in applications where moisture and airborne contaminants are present.



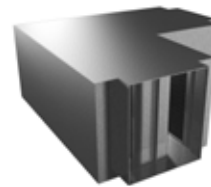
RL, RM, RH
Low, Medium and High Velocity Rectangular Silencers



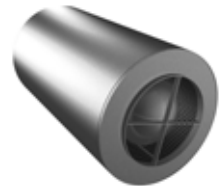
RLX, RMX, RHX
Low, Medium and High Velocity Rectangular Extended Casing Silencers



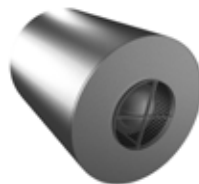
ERM
Elbow Silencers



ERMX
Elbow Extended Casing Silencers



CM, CH, CMP
Medium and High Velocity Circular Silencers



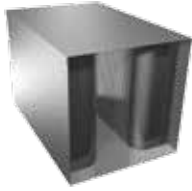
CMX, CHX
Medium and High Velocity Circular Extended Casing Silencers



AFS
High Velocity Axial Fan Silencers

Packless Silencers

Price Packless Silencers attenuate sound levels by using multiple chambers of varying design located behind a perforated metal liner. As sound passes through the silencer, the acoustic energy is dissipated, which results in decreased sound levels at the discharge of the silencer.



PRM
Rectangular Silencers



PERM
Elbow Rectangular Silencers



PCLS, PCMS, PCHS, PCLB, PCMB, PCHB
Circular Silencers



PECLS, PECMS, PECHS, PECLB, PECMB, PECHB
Elbow Circular Silencers

Acoustic Louvers

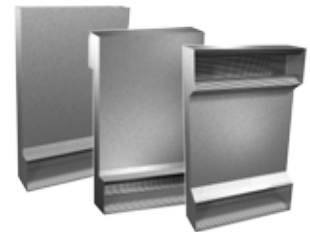


QA, QAF
Air Transfer Acoustic Louvers

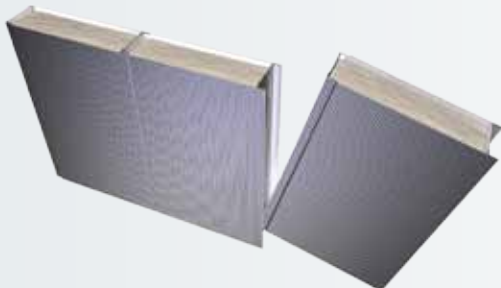
Air Transfer Silencers



TLRD®
Air Transfer Thin Line Return Dissipaters



XTL, XTZ, XTU
Air Transfer Cross Talk Silencers



Acoustic Panels

Acoustic Panels

Price acoustic panels are available in standard 2" and 4" thickness and also in custom designs as per an individual project's application and needs.

Applications



Schools

Classroom and school acoustics in general have come to the forefront of Noise Control discussions in recent years. With a 35dBA requirement for all classrooms, noise control applications and solutions are more difficult to achieve than ever.

Price offers products to help you achieve the stringent requirements set by ANSI S12.61 for classroom acoustics.



Office Spaces

ASHRAE's recommended sound levels for office spaces are between 35 and 45 dB. However, conference rooms are recommended to be much quieter. Price's extensive noise control product line addresses the differing needs of any workspace to ensure uninterrupted focus on the task at hand.



Theatres

Theatres are among the most sound-sensitive applications in the noise control industry. Accurate data is critical for ensuring a predictable end result. While better sound attenuation increases static pressure, Price's exclusive high velocity baffle design means that we can provide the noise control you need at the static pressure you require.



Healthcare

Healthcare facilities have always provided an array of noise control applications with specific solutions for each individual area of the building. Proper applications of these technologies can improve the products' ability to attenuate sound and greatly reduce the cost to provide an acceptable acoustic environment.

Quiet Single Duct & Fan Powered Terminal Units



Price introduces the industry's first strategically designed, fully tested, and certified integrated Quiet Terminal Unit Assembly. This innovative solution combines a re-engineered Terminal Unit with a specially designed silencer, integrated into a fully tested Quiet Terminal Unit.

The level of noise reduction achieved by Price's Quiet Terminal Unit is not possible with industry standard silencers mounted on industry standard terminals, where "close coupling" of unmatched products may produce adverse system effects and inaccurately predicted results.



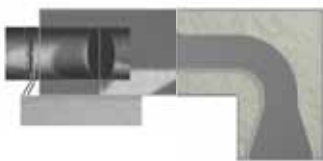
SDVQ
Single Duct Supply



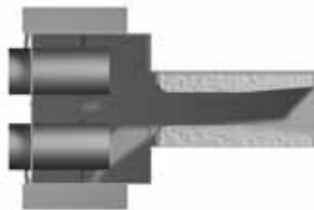
FDCGQ
Fan Powered



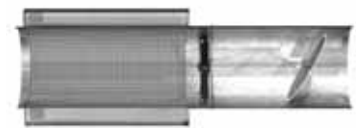
SDEQ
Exhaust Single Duct



SDVQ
Elbow configuration



DDUQ
Dual Duct



RDVQ/LDVQ
Exhaust Valves for Labs

Price's complete line of Quiet Terminal Units have been tested as a package under ASHRAE 130 and are AHRI 880 certified for guaranteed performance.

Training & Education

Price training programs are custom-tailored to the depth of knowledge and experience of each of our attendees. From basics to advanced understanding, we combine classroom training, hands-on demonstrations and witness testing.

The Noise Control training program provides Consulting and Design Engineers with the training needed to specify and select HVAC silencers to best meet their design criteria. These programs are delivered to provide guidance to those with any level of Noise Control experience, from the basics to expert-level design, and are delivered both in person and online through our webinar training program.



Product Demonstrations

We invite you to visit our silencer displays in Atlanta (PTC), Phoenix (PTCW), and Winnipeg (PRCN), which are truly unique to the industry. The display highlights a wide range of silencer geometries and liner options and gives viewers the chance to see and hear how different products perform in real world applications.



Silencer Display at PRCN



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Suwanee, Georgia USA 30024
Ph: 770.623.8050 Fax: 770.623.6404

- U.S. Head Office
- Price Technical Center
- Atlanta Manufacturing Facility



1290 Barrow Industrial Parkway
Winder, Georgia USA 30680-5704

- Atlanta Manufacturing Facility



999 North Thornton Road
Casa Grande, Arizona USA 85222-3809

- Price Technical Center West
- Phoenix Manufacturing Facility



638 Raleigh Street
Winnipeg, Manitoba Canada R2K 3Z9
Ph: 204.669.4220 Fax: 204.663.2715

- Canadian Head Office
- Price Research Center North
- International Sales Office
- Winnipeg Manufacturing Facility



130B Pippin Road
Vaughan, Ontario Canada L4K 4X9

- Toronto Manufacturing Facility

Product Improvement is a continuing endeavour at Price. Therefore, specifications are subject to change without notice. Consult your Price Sales Representative for current specifications or more detailed information. Not all products may be available in all geographic areas.

All goods described in this brochure are warranted as described in the Limited Warranty shown at the web site www.price-hvac.com.

The Price catalog is available online at www.price-hvac.com

Grilles & Diffusers	Critical Environments	Terminals & Controls	Sustainable Building	Noise Control