

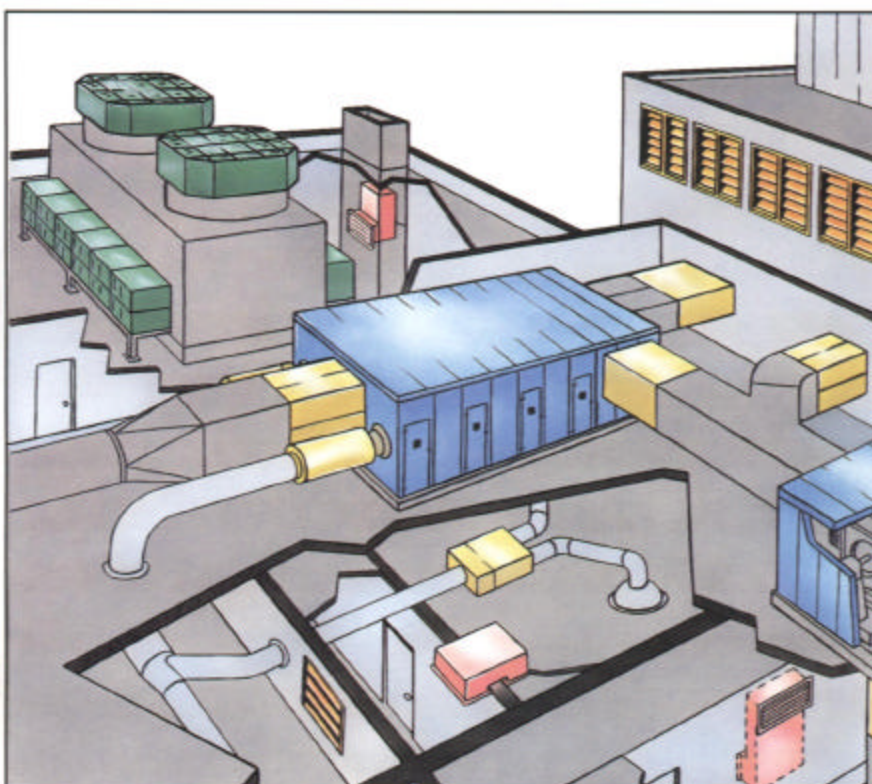
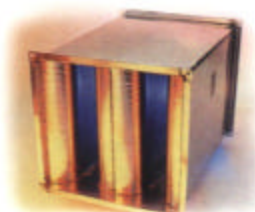


heating, ventilating and air conditioning

iac noisecontrol

Quiet-Duct/Conic Flow Silencers and Quiet-Flow Plenums control mechanical equipment noise. Quiet-Vent Silencers provide acoustical privacy. Cooling Tower Silencers protect the neighborhood from acoustic annoyance. Big-H Enclosures shield workers and tenants from excessive noise sources. Noishield Louvers allow ventilation while reducing noise transmission from building machine rooms.

Making the world a quieter place...



...specify

INDUSTRIAL ACOUSTICS COMPANY



iac products for noisecontrol

QUIET-DUCT® Rectangular Silencers —

are pre-engineered and tested for acoustical performance and aerodynamic efficiency. Models are available for practically every application. Hundreds of sizes provide design flexibility and are easily fitted into existing systems.

Bulletin 1.0301

CONIC-FLOW® Tubular Silencers —

Laboratory tested and field proven units control noise from axial or similar fans in $\frac{1}{10}$ th the duct length required for acoustical linings. Tubular units work equally well in both high and low velocity systems.

Bulletin 1.0301

CLEAN-FLOW™ Silencers —

are non-erosive, non-pregnable, cleanable units with protected acoustical infill. Applications include hospitals, clean-rooms, laboratories, or anywhere cleanliness of the air flow is critical.

Bulletin 1.0301

PACKLESS (Fiber-Free) Silencers —

all-steel, controlled impedance and broadly tuned resonator silencers use no acoustic fill of any kind. Ideally suited for ultra-clean environments such as operating rooms, clean-rooms, food or drug related processes. The absence of fill prevents collection of airborne contaminants where that might be the case with fibrous silencers such as on fume hoods or other laboratory exhaust systems.

Bulletin 1.0301

D-DUCT™ DIFFUSER Silencers —

combine attenuation and pressure regain in one device. Used primarily to attenuate blade pass frequencies and minimize impact pressure losses on vane-axial or similar fan systems.

Bulletin 1.0301

QUIET-VENT® Transfer Silencers —

allow for transfer of ventilation between spaces while providing conversational privacy.

Bulletin 1.0601

COOLING TOWER Silencers —

designed for low pressure drop these silencers shield the neighborhood from cooling tower and air-cooled condenser noise without reducing air flow or cooling capacity.

ACOUSTIC ENCLOSURES —

provide workers and tenants with acoustic and physical protection from various machinery.

Bulletin 1.0201

QUIET-FLOW® Fan Plenums —

of modular acoustic panels and doors isolate HVAC fan noise from radiating to sensitive adjacent areas and reduce fan noise in the airstream. Additionally, they provide thermal insulation.

Bulletin 1.0201

ACOUSTIC LOUVERS —

Twelve inch (305mm) deep model 'R' and Model 'LP' louvers allow for ventilation while reducing noise transmission from building machine rooms.

Four inch and six inch (102 and 142mm) Slimshield™ models are compact for use in walls, doors, or equipment enclosures where airflow is required.

Bulletin 1.0502

AIR HANDLING Systems —

custom engineered systems including silencers, filters, coils, fans and other devices are required. These systems are factory tested, both aerodynamically and acoustically for compliance to consultant's and customer's specific design criteria.

Bulletin 1.0401

SNAP FORM —

IAC's **Systemic Noise Analysis Procedure** is available for determining the acoustical requirements of HVAC systems. Windows-based software available and/or *Bulletin 1.0110*

SNAP II FORM —

IAC's **Systemic Noise Analysis Procedure** is available for determining the acoustical requirements and applications of Noishield® and Slimshield Louvers. *Bulletin 1.0502*

LABORATORY TESTING —

products are rigorously tested at IAC's Aero-Acoustic Laboratory in New York to ensure consistent catalog performance and to develop new product offerings. A 10,000 ft³ (283m³) reverberant room and closed loop wind tunnel are part of the laboratory used for establishing DIL, Self-Noise and Pressure Drop Ratings of full-scale silencers and other HVAC system components. NVLAP accreditation is available for many of the specific test standards.



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