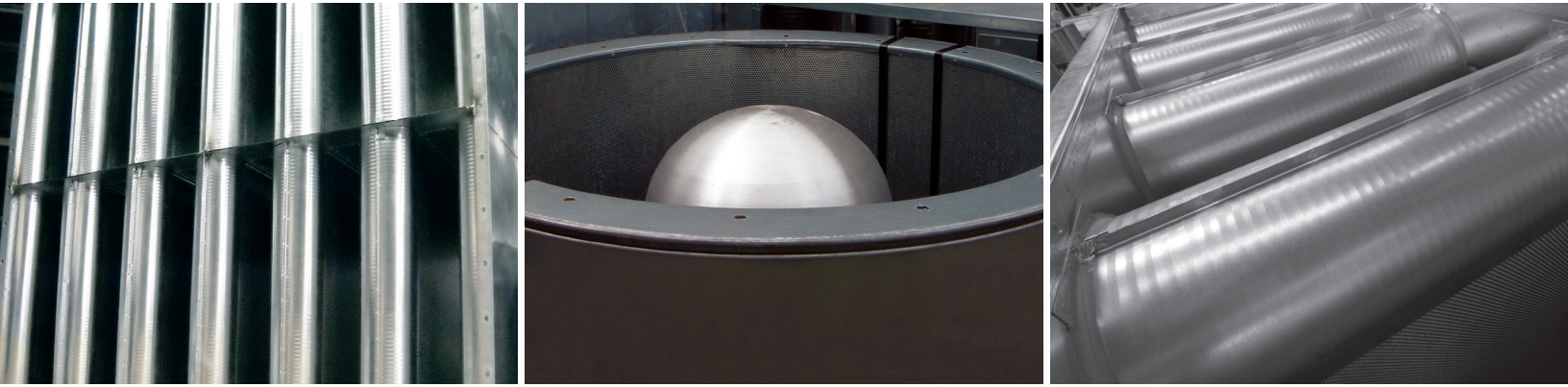


Quiet-Duct® Silencers

A Complete Range of Engineered Sound Attenuators for Controlling the Noise in Air Handling Systems



IAC Acoustics silencers were developed in response to the specific requirements from acoustics consultants, consulting engineers, building owners and contractors. All having been tested for performance, our entire line of HVAC silencers provide the most economical choices for solving the wide variety of noise control problems encountered in HVAC engineering.

Features & Benefits Include:

- Acoustic baffles designed for maximum attenuation at low frequencies, the toughest job of all to attenuate
- Straight-through air passages designed for maximum air handling at minimum pressure drop
- Solid, round noses that increase noise reduction
- Bell-mouth entrance & exit to minimize turbulence, pressure drop & self-noise
- Aero-acoustic & aerodynamic performance data for these silencers is based on NVLAP-accredited laboratory tests conducted in strict accordance with ASTM E477

| Silencer | Application |
|--|--|
| Quiet-Duct Ultra™/Low | For conventional applications where guaranteed performance is required down to 31.5 Hz, including finer resolution of one-third-octave-band data for applications requiring full octave band performance to match specific sound sources. |
| Quiet-Duct Ultra™/Green | A 100% environmentally friendly attenuation solution. Silence is achieved through the use of recycled acoustic fill material. Ideal for any clean and green application. |
| Quiet-Duct Ultra™/ZAPD | For applications in which acoustic attenuation is required and no allowance can be made for pressure loss. A Zero-Added-Pressure-Drop silencer is ideal for high velocity systems or systems that have little or no room for additional pressure drop. |
| Quiet-Duct® Commercial Series | For conventional applications including low frequency. Silencers are specifically engineered to enhance insertion loss in the 63 Hz, 125 Hz, and 250 Hz octave bands. |
| Clean-Flow™ Rectangular Silencers | For systems requiring a higher degree of cleanliness and hygiene such as in hospitals or clean rooms. Linings on the fill material guard against erosion of particulate matter into the air-stream. Specific internal construction features protect the lining against chafing or premature failure and are necessary to maintain the rated aero-acoustic performance. |
| Conic-Flow® Tubular Silencers | For silencer applications including low frequency. Silencers are specifically engineered to enhance insertion loss in the 63 Hz, 125 Hz, and 250 Hz octave bands. |
| D-Duct™ Acoustic Diffuser Silencers | For use on axial-fan systems. The combined interior diffuser cone and exterior square jacket casing make these units aerodynamic-regain devices as well as silencers. |
| Ultra-Pals™ Rectangular Packless Silencers | <p>The ultimate solution for ultra-clean environments and corrosive/flammable environments. The complete absence of fill makes Ultra-Pals™ Packless Silencers ideally suited for any application where particulate matter or fiber erosion from conventional fill materials could contaminate the air/gas streams.</p> <p>The complete absence of fill, combined with ease of cleaning and draining, make Ultra-Pals™ Silencers ideal in corrosive/flammable environments and for facilities handling gasoline, grease, solvents, and other hazardous materials.</p> |
| Ultra-Pals™ Tubular Packless Silencers | For small-diameter circular duct systems such as fume hoods. Additionally, the packless design of these units makes them equally applicable to the types of systems mentioned for the Rectangular Ultra-Pals™ Silencers. |
| Quiet-Duct® Elbow Silencers (ELBM) | For HVAC systems where straight runs of ductwork are not available. These silencers feature the capability to both nest and stack the elbow silencer modules so the size is scalable while the aerodynamics and acoustical performances are maintained, with a slight increase in pressure drop. The Quiet-Duct® Elbow Silencers have many of the same features and performance characteristics as our rectangular silencers (Quiet-Duct® Commercial Series). |



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