AERODYNAMIC SOUND ATTENUATORS
CIRCULAR / ELBOW / FLATPAC / RECTANGULAR / TURNING VANE

CIRCULAR SILENCERS
- Lower shell break-out/in noise
- Higher static operating pressures

RECTANGULAR SILENCERS
- Small to large module sizes
- Low aerodynamic losses

ELBOW SILENCERS
- Aerodynamic turns / high volume flows
- Excellent low frequency performance

FLATPAC SILENCERS
- Low profile/varied configurations
- Easily installed

ACOUSTIC LOUVERS
- Modest acoustic performance
- Low volume flows

ACOUSTIC TURNING VANES / SPLITTERS
- High mass flows / large cross sectional areas
- Very low aerodynamic losses

Aeroacoustic Engineering Consultants, LLC

AEC-69901
COMPUTER DESIGN AND SELECTION PROGRAM

EXAMPLE:
RECTANGULAR MODULES

X & Y Equipment / Duct Connection Size
L Silencer Length Overall, Including Mating Connections, Each End
M Module Dimension, Or Multiples To Fit X & Y Dimensions, Acoustic And Aerodynamic Criteria
G Gap - Splitter/Gap/Length/Height Ratios Computer Iterated For Acoustics & Aerodynamics

FEATURES:
✓ Modules Will Be Sized To Your X Or Y Dimension, No Transition Is Required.
✓ Silencer Lengths Will Be Chosen To Suit Your Acoustic, Space And/Or Pressure Loss Requirements - Automatically Selected By AEC Proprietary Computer Program.
✓ Splitters Can Be Aligned In Either The X Or Y Plane To Minimize Pressure Drop Due To Inlet Flow Distortions.
✓ Silencer Combinations In Full Module And Half Module Increments For Large Areas/Ducts.
✓ Galvanized Metal Construction (Class I). For Heavier Construction (AEC Class 5), Massive Galvannealed Externals And Heavier Internals Are Incorporated Into Silencer.

Select From:

Circular Cone Elbow Flatpac Rectangular Turning Vane Splitter Acoustic Louver

Hybrid Units Series Ganged Custom Designs

HYBRID, HIGH PERFORMANCE SILENCER:

✓ Circular Internals
✓ Rectangular Externals
✓ External Aerodynamic Fairings

Let a qualified AEC engineer assist you in selecting the optimum attenuator/silencer configuration to meet acoustic and aerodynamic criteria. Let our 30 years of experience with NOISE make your job easier.